AZMILS-MRDS RECORDS FOR MINERALIZED SITES IN THE SAN CARLOS-SAFFORD-DUNCAN NONPOINT-SOURCE MANAGEMENT ZONE, ARIZONA

by
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This report is preliminary and has not been edited or reviewed
for conformity with Arizona Geological Survey standards

INTRODUCTION

This map shows the locations of mineralized sites documented in the U. S. Geological Survey Mineral Resouces Data System (MRDS) database and the U. S. Bureau of Mines Mineral Locator System (MILS) database. Sites inside or within 500 m of the boundary of the San Carlos-Safford-Duncan non-point source zone have been selected for inclusion in the following tables. Sites shown have mineralization related to metals, or non-metallic minerals that may affect water quality. Areas that contain two or more closely spaced and apparently related mineralized sites are delineated, and described in Table 1 of this report. Isolated mineralized sites are indicated by a crossed pick and shovel symbol on the map and described in Table 2. Sites described in the MRDS and MILS databases have been edited to remove geologically unreasonable sites. The most common situation is sites that are located in rock units that could not host the described mineralization (e.g. shear zones in Quaternary alluvium). Location information in the MRDS and MILS databases has been found to be unreliable; thus the locations shown on the map and reported in Table 1 should be considered approximate.

Tables 1 and 2 include fields summarizing data available about the mineralized sites. The 'Site Name' field contains the site names, from either MRDS and MILS, along with alternate names (synonyms), if any, for sites in the MRDS database. The 'Commodities' field includes 'Commodity' data from MILS and 'Commodities present (M038)' (abbreviated commodities use standard elemental abbreviations), from the MRDS database. The 'status' field contains the 'Production Range (M049)' from MRDS, or the concatenated values form the 'Type' and 'Status' fields for MILS sites. MRDS production range is either 'none', 'small', 'medium', 'large', or 'undetermined'. Values found in the MILS 'TYPE' and 'STATUS' fields are explained in Tables 3 and 4. The 'UTM coordinate' field reports the Universal Transverse Mercator coordinates (in meters, Zone 12) for the sites listed to allow more precise location if necessary.

The 'Site Descriptive Information' contains 'no data' for MILS records. For MRDS records, the 'Site Descriptive Information' is a concatenation of the data (if any) contained in the following MRDS fields: Deposit type, Deposit Form, Deposit Size, Deposit Description Comments, Non-Ore Minerals, Main Ore Minerals, Minor Ore Minerals, Ore Materials, and General Analytical Data. After inspection of the MRDS data, it was determined that these fields contain all of the geologically useful information for the sites reported in the study area. When records in both the MILS and MRDS databases could be correlated to the same site, the information in the MRDS record is included in the tables here.

Table 1 groups sites included in the mineralized areas delineated on the accompanying plate. The header for each mineralized area includes a brief characterization of the type of mineralization in the area.

TYPE	Description
LEACH	In Situ leach operation
MINERAL LOC	Mineral occurrence locality
PROSPECT	Prospect pit
SURF- UNDERG	Surface and underground
SURFACE	Surface workings only (open pit)
UNDERGROUND	Underground workings
UNKNOWN	Unknown
WELL	Well location

Table 3. Explanation of TYPE values from MILS database

STATUS	Description
DEVEL	Deposit in development
EXP	Explored prospect
PAST	Mine has produced ore in past
PRODU	Mine producing ore at time of
RAW	Prospect, no development work
UNKNO	Unknown

Table 4. Explanation of STATUS values from MILS database

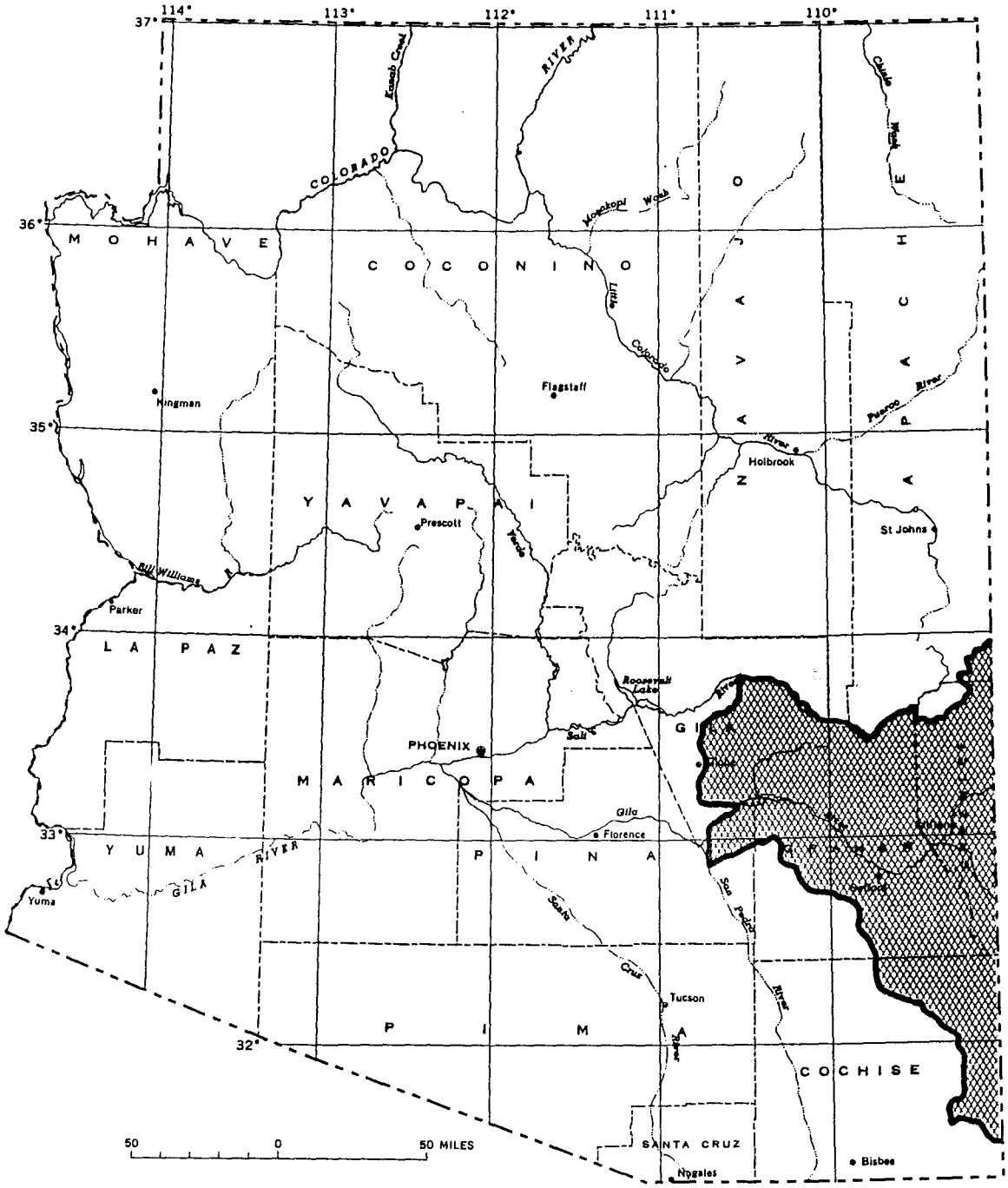

Figure 1. Location of San Carlos-Safford-Duncan Nonpoint-Source Management Zone.

Table 1. Mineralized areas and sites with the areas

Mineralized areas have been defined by clusters of 2 or more mineralized sites from the USGS Mineral Resource Data System (MRDS, 1993 update) or US Bureau of Mines Mineral Location System (MILS) data (1994 update). Outlines of the mineralized areas have been drawn to encompass the mineralized sites and adjacent rock units associated with the mineralization that are likely to contain similar, but weak mineralization. Where the areas correspond with Metallic Mineral Districts defined by Keith and others [1983], the Mineral District name is used for the area; where the area does not correspond to a previously named Mineral District, the name of a prominent mine in the area is used.

5 Globe Hills polymetallic

General Features:

Manganese oxides in veins and stringers, associated with quartz, calcite and iron oxides; some veins containing oxidized base-metal sulfide minerals, with accompanying gold and silver.

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
AMSTER PROSPECT	MN	Production: small	523182 E 3699818 N	VEINLETS; IRREGULAR; Deposit size: S; Minerals present: PYROLUSITE, WAD, FE OXIDES; QUARTZ, CALCITE;
BERKLEY MINE	MN AG	Production: small	523182 E 3699664 N	REPLACEMENT; PODS; Deposit size: S; Minerals present: PYROLUSITE, WAD, FE OXIDE; CALCITE;
BLACKBELL PROSPECT	MN	Production: small	521010 E 3702585 N	STRINGERS; LENSES; Deposit size: S; Minerals present: PYROLUSITE, WAD, FE OXIDES; QUARTZ;
BRACCO GROUP PROSPECT	MN AG CU	Production: small	521997 E 3702001 N	VEIN; LINEAR; Deposit size: S; Minerals present: WAD, PYROLUSITE, PSILOMELANE;
COPPER TRUST MINE; (SUPERIOR AND GLOBE MINE)	MN	Production: small	522361 E 3701202 N	VEINLETS; IRREGULAR; Deposit size: S; Minerals present: WAD, PYROLUSITE; QUARTZ, CALCITE, IRON OXIDES;
GLOBE MANGANESE MINE; (GLOBE COMMERCIAL COPPER MINE, CALIFORNIA GROUP, AMERICAN GROUP)	MN AG FE	Production: small	522483 E 3700585 N	VEIN/SHEAR ZONE; LENSES; Deposit size: S; DISCONNECTED LENTICULAR ORE SHOOTS. VEINS BECOME MORE SILICEOUS 20 FT DEEP, AND MANGANESE CONTENT DIMINISHES; Minerals present: PYROLUSITE, WAD, MANGANITE, IRON OXIDES; CALCITE, QUARTZ, LIMONITE;
HOBSON MINE	MN	Production: small	522569 E 3699662 N	VEINLETS; IRREGULAR; Deposit size: S; Minerals present: PYROLUSITE, WAD, FE OXIDES; SPECULAR HEMATITE;
IRON HIVE MINE	MN	Production: small	520986 E 3700983 N	SEAMS, VEINLETS; LENSES; Deposit size: S; Minerals present: WAD, PYROLUSITE, PSILOMELANE, FE OXIDE;
IRON KING & RED OXIDE MINE	MN CU ZN PB	Production: small	523185 E 3698617 N	STRINGERS, VEINLETS; IRREGULAR; Deposit size: S; Minerals present: WAD, PYROLUSITE, PSILOMELANE; QUARTZ, CALCITE , LIMONITE;

5 Globe Hills polymetallic

General Features:
Manganese oxides in veins and stringers, associated with quartz, calcite and iron oxides; some veins containing oxidized base-metal sulfide minerals, with accompanying gold and silver.

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
KENO MINE	MN	Production: small	522231 E 3701078 N	VEINS; PODS; Deposit size: S; THE ORE BODIES RANGED FROM 3 TO 6 FEET IN WIDTH AND FROM A FEW FEET TO 20 FEET IN LENGTH. DEPOSIT IS A CONTINUATION OF THE MAGNET DEPOSIT; Minerals present: WAD, PYROLUSITE, FE OXIDES; QUARTZ, CALCITE , IRON OXIDES;
LAST CHANCE MINE; (LILLIAN)	MN AG	Production: small	520648 E 3702738 N	VEIN; IRREGULAR PODS; Deposit size: S; Minerals present: PYROLUSITE, PSILOMELANE;
LIVINGSTON GROUP MINE	MN	Production: small	521143 E 3701445 N	STRINGERS; IRREGULAR; Deposit size: S; Minerals present: MN OXIDES;
MAGNET MINE	MN	Production: small	522130 E 3700678 N	STRINGERS, VEINLETS; LENTICULAR BODIES; Deposit size: S; GENERALLY THE PRODUCTIVE BODIES APPEARED TO BE LENTICULAR, RANGING FROM 3 TO 12 FEET IN WIDTH AND FROM 60 TO MORE THAN 200 FEET IN LENGTH; Minerals present: WAD, PYROLUSITE; QUARTZ, CALCITE, IRON OXIDES;
MARLEY PATENT M S 3790	MANGANESE	UNDERGROUND; PAST PRODUCER	523418 E 3699910 N	No Data
MINERAL FARM MINE; (BENNETT, MOONLIGHT)	MN CU AG PB ZN	Production: small	521377 E 3700799 N	REPLACEMENT; LINEAR; Deposit size: S; THE COPPER-SILVER DEPOSIT (YUMA VEIN) STRIKES N40E AND DIPS STEEPLY NORTHWEST; Minerals present: RHODOCHROSITE, MANGANITE, ANKERITE, SPHALERITE, GALENA, CHALCOCITE, MALACHITE, AZURITE, CHRYSOCOLLA; QUARTZ;
NEW ORLEANS MINE	MN	Production: small	521999 E 3701201 N	STRINGERS; IRREGULAR; Deposit size: S; Minerals present: MN OXIDES, WAD, PYROLUSITE, PSILOMELANE, FE OXIDES; CALCITE, IRON OXIDES;
NIP AND TUCK	SILVER, MANGANESE	PROSPECT	522406 E 3701663 N	No Data
PONTIAC MINE	MN CU AG AU	Production: small	522383 E 3699539 N	SEAMS, VEINLETS; IRREGULAR; Deposit size: S; Minerals present: WAD, PYROLUSITE, PSILOMELANE; QUARTZ, CALCITE, IRON OXIDES;

5 Globe Hills polymetallic

General Features:
Manganese oxides in veins and stringers, associated with quartz, calcite and iron oxides; some veins containing oxidized base-metal sulfide minerals, with accompanying gold and silver.

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
RAMBOZ MINE; (SILVER GLANCE, RAMBO GROUP)	AG CU AU MN PB ZN	Production: small	521198 E 3701845 N	VEIN/SHEAR ZONE; LENSES AND STRINGERS; Deposit size: S; VEIN WIDTH RANGES FROM FRACTION OF AN INCH TO 6 FT WIDE; Minerals present: PSILOMELANE, PYROLUSITE, CUPRITE, COPPER CARBONATES, SPHALERITE, ZN CARBONATES, RHODOCHROSITE, ANKERITE, GALENA; QUARTZ, CALCITE, IRON OXIDES, LIMONITE, CERUSSITE, BARITE;
RESCUE MINE	AG CU PB AU	Production: small	520910 E 3701814 N	VEIN/SHEAR ZONE; LINEAR; Deposit size: S; VEIN VARIES FROM 2 TO 15 FT IN WIDTH; Minerals present: ARGENTITE, CHALCOCITE, COPPER CARBONATES; QUARTZ;
SILVER GLANCE	MANGANESE	SURF-UNDERG; PAST PRODUCER	521375 E 3701661 N	No Data
SUE PROPERTY	MANGANESE, LEAD, ZINC, COPPER	SURF-UNDERG; PAST PRODUCER	522980 E 3699355 N	No Data
TELFAIR MINE	MN	Production: small	522930 E 3700033 N	VEINLETS; IRREGULAR; Deposit size: S; Minerals present: WAD, PYROLUSITE;
VACY CONSTANCE	MANGANESE	SURFACE; PAST PRODUCER	520497 E 3701597 N	No Data

6 Globe Hills Cu

General Features:
Veins containing quartz, specular hematite, copper oxide and sulfide minerals, pyrite

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
ALEX CLAIMS	COPPER	PROSPECT	523884 E 3698896 N	No Data
ARIZONA COMMERCIAL MINE; (COPPER HILL MINE)	CU AU AG SIL	Production: medium	522486 E 3699231 N	VEIN/SHEAR ZONE; LINEAR; Deposit size: M; DEPOSIT ON COPPER HILL CLAIMS IS A CONTINUATION OF THE OLD DOMINION VEIN ALONG NUMEROUS SHORT FAULTS BOUNDED BY N-S TRENDING FAULTS; Minerals present: CHALCOCITE, MALACHITE, CHRYSOCOLLA, CHALCOPYRITE, QUARTZ; QUARTZ;
BEACON	COPPER	UNDERGROUND; PAST PRODUCER	521948 E 3699045 N	No Data

6 Globe Hills Cu

General Features:
Veins containing quartz, specular hematite, copper oxide and sulfide minerals, pyrite

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
BIG IRON NO. 1 & 2 MINE	MN CU	Production: small	521246 E 3700922 N	VEIN; IRREGULAR; Deposit size: S; COPPER DEPOSITS ON THIS PROPERTY ARE CONTINUATIONS OF THE IRENE AND MINERAL FARM VEINS; Minerals present: WAD, PYROLUSITE, PSILOMELANE, COPPER SULPHIDES; QUARTZ, CALCITE;
BIG JOHNNIE MINE	CU FE	Production: small	521407 E 3699814 N	VEIN; LINEAR; Deposit size: S; Minerals present: CUPRITE, MALACHITE, CHRYSOCOLLA, SPECULAR HEMATITE;
BLACK OXIDE PATENT M S 2297	COPPER, SILVER	UNDERGROUND; PAST PRODUCER	522852 E 3698645 N	No Data
BUCKEYE MINE	CU AG	Production: small	521977 E 3698306 N	VEIN; IRREGULAR; Deposit size: S; Minerals present: CUPRITE, MALACHITE, CHRYSOCOLLA; QUARTZ, CALCITE, SPECULAR HEMATITE;
SUPERIOR AND BOSTON MINE; (BLACK OXIDE MINE, GREAT EASTERN SHAFT)	CU AG AU MN	Production: medium	522802 E 3699540 N	VEIN-SHEAR ZONE; Deposit size: S; VEINS CROSSING THE PROPERTY INCLUDE THE BUCKEYE, GREAT EASTERN, FOOTWALL, RIGBY VEIN (HIGH SILVER CONTENT), NORTH VEIN, IRON KING, DEWEY; MAIN ORE SHOOT 6 TO 7 FT WIDE; Minerals present: CHALCOCITE; PYRITE, QUARTZ, IRON OXIDES;

7 King Hecla Group

General Features:
Veins in Apache Group

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
FAME M S 2919	SILVER	SURF-UNDERG; UNKNOWN	524081 E 3703485 N	No Data
FOUR BAGGER MINE; (PASQUALE NEGRO)	CU AG	Production: small	523638 E 3703730 N	VEINS; Deposit size: S; Minerals present: COPPER OXIDE MINERALS; QUARTZ;

11 Pinal Mountains

General Features:
Gold and silver in quartz veins in Pinal schist and Precambrian granite; some tungsten reported.

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
CHARLES MINE; (SAVAGE, SEGAL PROPERTY, CHARLES BAUFMAN PROPERTY)	CU AG PB AU	Production: small	523070 E 3684573 N	VEIN/SHEAR ZONE; Deposit size: S; Minerals present: MINE 1 MILE NW CONTAINS CHALCOPYRITE, MALACHITE, AZURITE, FREE SILVER (HARVEY MINE); QUARTZ;

11 Pinal Mountains

General Features:
Gold and silver in quartz veins in Pinal schist and Precambrian granite; some tungsten reported.

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
GRAND LODE CLAIMS	GOLD, SILVER	PROSPECT	520566 E 3681179 N	No Data
JOKER 1 TO 3	GOLD, SILVER	UNDERGROUND; PAST PRODUCER	523321 E 3686636 N	No Data
MARLAND CLAIMS	COPPER, GOLD, SILVER	SURF-UNDERG; PAST PRODUCER	522347 E 3682846 N	No Data
RASTAR CLAIMS MINE; (Charles Mine (same location)?)	W AU AG	Production: small	523042 E 3684573 N	VEIN; LINEAR; Deposit size: S; Minerals present: SCHEELITE, GOLD, SILVER; WITHIN THE SCHIST ARE SMALL GRANITIC INTRUSIONS WITH CONSIDERABLE QUARTZ STRIKING GENERALLY WITH THE SCHISTOSITY (N 45 DEG. E). THE QUARTZ CARRIES SPORADIC PYRITE, EPIDOTE, HEMATITE, AND CHLORITE, BUT APPEARS TO HAVE NO CONNECTION WITH THE TUNGSTEN MIN;

18 Saddle Mountain District

General Features:
Silver-bearing sulfides of Fe, Cu and Pb in quartz-calcite-barite veins in Cretaceous volcanic and intrusive rocks and as replacement deposits in limestone; gold-bearing pyrite in quartz-calcite veins, mostly in brecciated shear zones;

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
ADJUST MINE; (HOPE METALS, OLD ODELL GROUP)	CU AG AU PB ZN	Production: small	528788 E 3655332 N	VEIN; TABULAR; Deposit size: S; BLUE BIRD VEIN COMPLETELY OXIDIZED FROM THE SURFACE TO ABOUT 50 FT. IN DEPTH. AVERAGE WIDTH 4 FT.; Minerals present: GALENA, SPHALERITE, PYRITE, BORNITE, CHALCOPYRITE , GOLD; QUARTZ, BARITE, CALCITE;
ASH CREEK DEPOSIT; (WINKELMAN DEPOSIT)	GYP	Production: none	529110 E 3654070 N	EVAPORITE ?; Deposit size: S; Minerals present: GYPSUM; CALCITE;
CARMICHAEL GROUP	COPPER, LEAD	UNDERGROUND; PAST PRODUCER	527239 E 3653788 N	No Data
HILLTOP PROPERTY	COPPER, SILVER, GOLD	UNDERGROUND; DEVEL DEPOSIT	527005 E 3654249 N	No Data
LEES PROPERTY	COPPER	UNDERGROUND; PAST PRODUCER	529932 E 3655581 N	No Data

18 Saddle Mountain District

General Features:
Silver-bearing sulfides of Fe, Cu and Pb in quartz-calcite-barite veins in Cretaceous volcanic and intrusive rocks and as replacement deposits in limestone; gold-bearing pyrite in quartz-calcite veins, mostly in brecciated shear zones;

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
LITTLE TREASURE MINE; (ADJUST)	AG PB ZN CU AU	Production: small	530348 E 3655245 N	VEINS; Deposit size: S; TWO VEINS DEVELOPED; Minerals present: PYRARGYRITE; ARGENTITE; GALENA; SPHALERITE, CHALCOPYRITE; QUARTZ, BARITE, CALCITE, PYRITE;
POOL'S MINE	CU AU	Production: none	527007 E 3654589 N	VEIN/SHEAR ZONE; Deposit size: S; Minerals present: (CHALCOPYRITE, MALACHITE; FREE GOLD); PYRITE, CALCITE, FLUORITE, HEMATITE, LIMONITE;
SADDLE MOUNTAIN GROUP	AU AG PB ZN CU MO	Production: small	529359 E 3655149 N	VEINS, DISSEMINATED, SKARN; Deposit size: S; VEIN IS ON SIDE OF QUARTZ MICA DIORITE DIKE, WHICH IS ALSO MINERALIZED IN PLACES. SECOND VEIN (BIG ROCK VEIN) EXPOSED EAST OF MAIN VEIN; Minerals present: PYRITE, GALENA, SPHALERITE, CHALCOPYRITE, GOLD, SILVER, CERUSSITE, ANGLESITE, CHRYSOCOLLA, MALACHITE, AZURITE, ARGENTITE, PYRARGYRITE, C HALCOCITE, COVELLITE, BORNITE; QUARTZ, BARITE, CALCITE, GYPSUM, MAGNETITE, SPECULARITE, GARNET, LI MONITE;
TWO QUEENS MINE	CU AU AG PB	Production: small	528176 E 3654007 N	VEIN/METASOMATIC; TABULAR; Deposit size: S; 4 NEARLY PARALLEL VEINS AND ONE CROSS VEIN. METASOMATIC REPLACEMENT OF VOLCANIC ROCK AND VOLCANIC SEDIMENTS BY ORE MINERALS; Minerals present: QUARTZ, BARITE, CALCITE , EPIDOTE;

27 Stanley district

General Features:
Copper-iron sulfides and oxides (with Pb, Zn, Mn and Ag minerals) in quartz-calcite veins along shear zones and dikes in faulted Paleozoic strata and Precambrian granitic rocks; barite and flourite have been prospected.

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
BLUEBIRD COBALT	COBALT, LEAD, COPPER, NICKEL, GOLD, ARSENIC	UNDERGROUND; PAST PRODUCER	563663 E 3657714 N	No Data
COPPER BELLE	COPPER, SILVER	UNDERGROUND; PAST PRODUCER	558950 E 3661195 N	No Data

27 Stanley district

General Features:
Copper-iron sulfides and oxides (with Pb, Zn, Mn and Ag minerals) in quartz-calcite veins along shear zones and dikes in faulted Paleozoic strata and Precambrian granitic rocks; barite and flourite have been prospected.

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
MITCHELL BARITE PROSPECT	BARIUM, FLUORINE	SURFACE; EXP PROSPECT	561423 E 3659454 N	No Data
PARKS BROTHERS PROSPECT	COPPER, LEAD	UNDERGROUND; EXP PROSPECT	558500 E 3662639 N	No Data
STARLIGHT MINE; (TRI-BULLION MINE)	CU AG AU PB	Production: small	559388 E 3661753 N	REPLACEMENT; IRREGULAR; Deposit size: S; COPPER FOUND IN REPLACEMENT BODIES IN LIMESTONE ADJACENT TO THE CONTACT OF A VERTICAL, WIDE, DIABASE DIKE. THE LEAD-SILVER IS IN SMALL BODIES AT FRACTURE INTERSECTIONS.; Minerals present: CHRYSOCOLLA, MALACHITE, AZURITE, ANGLESITE, CERUSSITE, GALENA , CUPRITE, MELACONITE, CHALCOPYRITE;

29 Aravaipa and Stanley Districts

General Features:
base and precious metals in quartz-calcite veins along shear zones and dikes in Cretaceous volcanic and Paleozoic sedimentary rocks; replacement deposits in limestone containing sulfides of Cu, Pb, Zn, Sb, minor Au and Ag

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
BLACK ROCK GROUP; (DAVIS)	MN FE CU PB BA AG	Production: none	552554 E 3660605 N	REPLACEMENT; LENTICULAR, IRREGULAR; Deposit size: S; MANGANIFEROUS FLOAT PRESENT FOR ABOUT 150 FEET NORTH OF THE NORTHERNMOST OPEN CUT.; Minerals present: PYROLUSITE; MANGANESE OXIDES MALACHITE, GALENA, SIDERITE, HEMATITE, BARITE; FE AND CALCITE INTERMIXED. FE OCCURS IN OCHEROUS FORM , INTIMATELY ASSOCIATED WITH MN.;
CAPTAIN JACK	GOLD, SILVER, COPPER, IRON	SURF-UNDERG; EXP PROSPECT	558356 E 3656449 N	No Data
CAPTAIN JACK CLAIMS	FE AU AG CU	Production: none	558657 E 3657683 N	REPLACEMENT; IRREGULAR LENSES; Deposit size: S; Minerals present: MAGNETITE, SPECULARITE;

29 Aravaipa and Stanley Districts

General Features:
base and precious metals in quartz-calcite veins along shear zones and dikes in Cretaceous volcanic and Paleozoic sedimentary rocks; replacement deposits in limestone containing sulfides of Cu, Pb, Zn, Sb, minor Au and Ag

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
COBRE GRANDE MINE.	CU PB FE AG	Production: small	566185 E 3648892 N	VEIN/REPLACEMENT; TABULAR; Deposit size: S; SEVERAL ZONES OF MINERALIZATION OCCUR. MORE THAN ONE VEIN. LIMESTONE REPLACED IN ZONES BOTH ACROSS AND PARALLEL TO BEDDING. SILICIC DIKES INTRUDE AREA. ENTIRE AREA IS CLOSELY FAULTED, HIGHLY ALTERED. RELATIONSHIPS OBSCURE.; Minerals present: TENORITE, CHALCANTHITE, CHALCOPYRITE, GALENA MALACHITE, CHRYSOCOLLA. SPECULARITE, MAGNETITE; PYRITE, QUARTZ, CALCITE, CHLORITE, EPIDOTE, GARNET, SPECULARITE, MAGNETITE,JOHANNSENITE.;
COLD SPRING PROSPECT	ZN CU SB	Production: none	563501 E 3655003 N	REPLACEMENT; IRREGULAR; Deposit size: S; Minerals present: STIBNITE, SPHALERITE, CHALCOPYRITE; CALCITE;
COPPER BASIN	COPPER, GOLD, SILVER	UNDERGROUND; UNKNOWN	557182 E 3652901 N	No Data
COPPER CHIEF	COPPER, GOLD, SILVER, BARIUM	UNDERGROUND; PAST PRODUCER	552218 E 3659278 N	No Data
COPPER REEF MINE; (CORONADO GROUP, NORTH STAR)	PB CU AG AU BA MN FE F	Production: small	554670 E 3657660 N	REPLACEMENT; IRREGULAR; Deposit size: S; NUMEROUS SMALL OCCURRENCES OF BARITE WITH LESSER FLUORITE, COMMONLY ALONG BEDDING PLANES IN LIMESTONE.; Minerals present: HEMATITE, CHRYSOCOLLA, MALACHITE, CHALCOCITE, CHALCOPYRITE, PYRITE, BORNITE, AZURITE, BARITE; QUARTZ, CALCITE, FLUORITE, LIMONITE, MANGANESE OXIDE.;
CORONADO GROUP	BARIUM, FLUORINE	UNDERGROUND; PAST PRODUCER	554322 E 3658766 N	No Data
DAVIS CLAIMS	COPPER, MANGANESE, IRON	UNDERGROUND; UNKNOWN	554467 E 3656027 N	No Data

29 Aravaipa and Stanley Districts

General Features:
base and precious metals in quartz-calcite veins along shear zones and dikes in Cretaceous volcanic and Paleozoic sedimentary rocks; replacement deposits in limestone containing sulfides of Cu, Pb, Zn, Sb, minor Au and Ag

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
FRIEND MINE; (COPPER RANGE GROUP)	CU	Production: small	557063 E 3655487 N	VEIN/SHEAR ZONE; LENTICULAR, IRREGULAR; Deposit size: S; Minerals present: AZURITE, MALACHITE, CUPRITE, HEMATITE; BORNITE, CHALCOCITE, CHALCOPYRITE; CALCITE AS GANGUE;
FRIEND MINE	COPPER	UNDERGROUND; PAST PRODUCER	557090 E 3655548 N	No Data
LITTLE MULE GROUP; (SILVER STAR PROSPECT)	AG BA	Production: small	559250 E 3653683 N	VEIN; BARITE VEINS IN FRACTURED DIORITE.; Minerals present: SILVER, BARITE;
RAWHIDE MTN PROSPECTS	SILVER, COPPER, BARIUM, IRON	SURF-UNDERG; EXP PROSPECT	552701 E 3656479 N	No Data
SILVER SPAR PROSPECT	PB AG SB CU	Production: small	559252 E 3653344 N	SHEAR ZONE; IRREGULAR SEAMS, DISCONTINUOUS; Deposit size: S; Minerals present: BORNITE (?), TELLURIDE (?); MALACHITE; GANGUE OF QUARTZ, BARITE, AND FLUORITE;
SOLDIER PROSPECT	CU	Production: none	561423 E 3655636 N	REPLACEMENT; IRREGULAR; Deposit size: S; Minerals present: SPECULARITE; ACTINOLITE, GARNET, SPECULARITE, QUARTZ;
SOLDIER PROSPECT	COPPER	UNDERGROUND; EXP PROSPECT	560927 E 3655879 N	No Data
STANLEY	LEAD, SILVER, BARIUM	UNDERGROUND; EXP PROSPECT	558027 E 3654999 N	No Data
WOLF	COPPER	UNDERGROUND; PAST PRODUCER	558731 E 3654265 N	No Data

32 Voelckel & Almino prospects

General Features:
Calcite veins containing Mn-oxide minerals occur in shear zones in Tertiary andesite

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
ALMINO PROSPECT	MN W	Production: none	597622 E 3664923 N	VEIN/SHEAR ZONE; Deposit size: S; Minerals present: TUNGSTEN, PSILOMELANE;

32 Voelckel & Almino prospects

General Features:
Calcite veins containing Mn-oxide minerals occur in shear zones in Tertiary andesite

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
VOELCKEL CLAIMS	MN	Production: none	600319 E 3662055 N	VEINS/SHEAR ZONE; IRREGULAR, SHORT; Deposit size: S; Minerals present: PSILOMELANE, MANGANITE; CALCITE AS GANGUE;

36 Denny/Crazy Horse claims

General Features:
Uranium occurances in Precambrian granitic rocks.

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
CRAZY HORSE	URANIUM, FLUORINE, COPPER	SURF-UNDERG; UNKNOWN	576992 E 3631323 N	No Data
DENNY CLAIMS	URANIUM	PROSPECT	577611 E 3632191 N	No Data

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General Features:
Morenci area; porphyry copper system; base and precious metals, manganese oxides. Laramide granitic rocks intrude Paleozoic sedimentary rocks.

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
AMAX EXPLORATION INC LEASES	COPPER	SURF-UNDERG; UNKNOWN	656581 E 3667260 N	No Data
ANDERSON PROPERTY	COPPER	SURF-UNDERG; UNKNOWN	650414 E 3667133 N	No Data
ANTIETAM MINE; (BOULDER CLAIM, SHANNON PROPERTY, ANTIETAM CLAIM, LEO C CLAIM)	CU AU AG	Production: small	654202 E 3667254 N	VEIN; CONTACT METASOMATIC; IRREGULAR; Deposit size: S; Minerals present: CHALCOPYRITE, PYRITE, CHALCOCITE, NATIVE COPPER, CUPRITE;

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General Features:

Morenci area; porphyry copper system; base and precious metals, manganese oxides. Laramide granitic rocks intrude Paleozoic sedimentary rocks.

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
ARIZONA CENTRAL MINE; (COPPER MOUNTAIN TUNNEL; DETROIT COPPER CO. GROUP, WILLIAMS VEIN, ARIZONA CENTRAL VEIN)	CU ZN FE	Production: medium	652321 E 3660971 N	VEIN; PORPHYRY DIKE; CONTACT METAMORPHIC; IRREGULAR; Deposit size: M; ARIZONA CENTRAL CLAIM IS LOCATED ON 2 PARALLEL VEINS, THE WILLIAMS VEIN AND THE ARIZONA CENTRAL VEIN; MOST DEVELOPMENT OCCURRED ON THE WILLIAMS VEIN.; Minerals present: CHALCOCITE; PYRITE; AZURITE; MALACHITE; CHALCOPYRITE; SPHALERITE; CUPRITE; GOSLARITE, MAGNETITE; LIMONITE, NONTRONITE AS SILKY SEAMS IN LIMY SHALE, GARNET, AMPHIBOLE , TREMOLITE, PYROXENE, SULFIDES, HORNBLENDE IN ASSOCIATION WITH BIOTITE, EPIDOTE;
BELL AND PINKARD GROUP; (BELL GROUP; DOVER COPPER GROUP CLAIMS)	AU AG CU PB ZN	Production: small	649487 E 3660095 N	VEIN; CONTACT METAMORPHIC; LINEAR; IRREGULAR; Deposit size: S; BELL GROUP CLAIMS LOCATED ON OR NEAR THE ISABELLA VEIN.; Minerals present: LIMONITE, GARNET, MAGNETITE, EPIDOTE;
BLACK PRINCE	COPPER	SURFACE; EXP PROSPECT	656877 E 3668220 N	No Data
BRUNSWICK MINE; (STEVENS LEASE; STEVENS GROUP MINE)	CU	Production: small	652514 E 3667228 N	VEIN; CONTACT METASOMATIC; IRREGULAR, PODS; Deposit size: S; Minerals present: CHALCOCITE, CUPRITE, CHRYSOCOLLA, CHALCOPYRITE, MALACHITE, PYRITE;
BUZZARD'S SHADOW MINE	AU AG CU MN	Production: small	648727 E 3660361 N	VEIN; CONTACT METASOMATIC; TABULAR, IRREGULAR; Deposit size: S; 12 CLAIMS PATENTED BY HOME COPPER CO (1901).; Minerals present: QUARTZ, PERTHITE, ORTHOCLASE, EPIDOTE, MAGNETITE, LIMONITE;
CALRIDGE PROPERTY	COPPER	SURF-UNDERG; EXP PROSPECT	650095 E 3662600 N	No Data
CAPOTE MINE; (STARGO GROUP)	AG AU	Production: small	653660 E 3660221 N	VEIN; SHEAR ZONE; NORMAL FISSURE VEIN FILLING WITH IRREGULAR AND BLANKET LATERAL EXTENSIONS; Deposit size: S; CAPOTE MINE LOCATED ON CAPOTE VEIN WHICH IS 640 FT EAST OF THE MAIN STARGO VEIN. ONE OF 26 PATENTED CLAIMS OF THE STARGO MINES CO (INC); ALL CLAIMS TOTAL 520 ACRES.; Minerals present: NATIVE SILVER, HORN SILVER, RUBY SILVER, NATIVE GOLD; SILICEOUS GANGUE;

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General Features:

Morenci area; porphyry copper system; base and precious metals, manganese oxides. Laramide granitic rocks intrude Paleozoic sedimentary rocks.

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
CAYUGA MINE	CU ZN	Production: small	649666 E 3661823 N	VEIN; SHEAR ZONE; CONTACT METASOMATIC; Deposit size: S; VEIN ACCOMPANIES CAYUGA FAULT (MAJOR REGIONAL FAULT). ADJACENT TO DOVER COPPER GROUP, GOLD BELT PROPERTY (PRESENTLY PHELPS DODGE CORPORATION HOLDINGS).; Minerals present: CHALCOPYRITE; PYRITE; SPHALERITE; QUARTZ, PERTHITE, ORTHOCLASE, EPIDOTE, MAGNETITE, LIMONITE;
CLIFTON COPPER MINES; (CLIFTON GROUP; STANDARD CONSOLIDATED COPPER CO CLAIMS; COPPER CENTRE MINE)	CU MO GYP	Production: small	654021 E 3663954 N	VEIN; PORPHYRY, CONTACT METASOMATIC, REPLACEMENT; IRREGULAR; 8 PATENTED CLAIMS TOTALLING 163 ACRES; IRREGULAR ORE BODIES EXTEND INTO PORPHYRY FROM FISSURE VEIN. SULFIDE ORE BODY IS ENTIRELY CONTAINED IN PORPHYRY ROCK.; Minerals present: CHALCOCITE, MOLYBDENITE; GYPSUM, LIMONITE, CHLORITE;
CLIFTON-MORENCI AREA GYPSUM	GYP	Production: none	652560 E 3662453 N	REPLACEMENT; GYPSUM REPLACEMENT OF LIMESTONE ASSOCIATED WITH OXIDIIZED SULFIDE DEPOSITS.; Minerals present: GYPSUM;
CLIMAX CLAIM	MANGANESE	SURFACE; PAST PRODUCER	650006 E 3658285 N	No Data
COLORADO	COPPER, GOLD, SILVER, ZINC	UNDERGROUND; PAST PRODUCER	657430 E 3666134 N	No Data
COPPER BLUFF MINE; (LESZYNSKY GROUP CLAIM)	CU AG AU MO	Production: small	653724 E 3662687 N	VEIN; CONTACT METASOMATIC; IRREGULAR; Deposit size: S; 1 PATENTED CLAIM.; Minerals present: PYRITE, CHALCOPYRITE, CHALCOCITE, MOLYBDENITE; UNKNOWN;
COPPER CLIFF MINE	CU	Production: small	650225 E 3664326 N	VEIN; CONTACT METASOMATIC; UNKNOWN; Deposit size: S; Minerals present: UNKNOWN;
COPPER KING MINE; (SOLID COPPER; COPPER BULLION)	CU AG AU	Production: small	655868 E 3665216 N	VEIN; CONTACT METASOMATIC; TABULAR; Deposit size: S; ABOVE DESCRIBES THE WEST SHOOT; NORTH SHOOT IS UNDEVELOPED. 2 PATENTED CLAIMS LISTED UNDER THE NAMES SOLID COPPER AND COPPER BULLION.; Minerals present: PYRITE, CHALCOCITE; QUARTZ, PERTHITE, ORTHOCLASE;

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General Features:

Morenci area; porphyry copper system; base and precious metals, manganese oxides. Laramide granitic rocks intrude Paleozoic sedimentary rocks.

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
COPPER MOUNTAIN MINE; (MANGANESE BLUE ORE BODY; DETROIT COPPER CO GROUP)	CU ZN	Production: small	652351 E 3660878 N	COPPER PORPHYRY; FISSURE VEIN; IRREGULAR; Deposit size: S; COPPER MOUNTAIN MINE OPENS ONTO ARIZONA CENTRAL VEIN AND ONTO SEVERAL IRREGULAR CARBONATE DEPOSITS IN LIMESTONE.; Minerals present: CHALCOCITE; CUPRITE; PYRITE; MALACHITE; AZURITE; BROCHANTITE; CHALCANTHITE; KAOLIN IN MAMMILLARY MASSES WITH AZURITE AND MALACHITE; LARGE MASSES OF MAGNETITE, PARTLY OXIDIZED TO LIMONITE; GARNET; EPIDOTE;
COPPER PLATE	COPPER, GOLD, SILVER	UNDERGROUND; PAST PRODUCER	647339 E 3663142 N	No Data
CORONADO MINE; (HORSESHOE SHAFT; ARIZONA COPPER CO GROUP; CORONADO MINING CO PROPERTY)	CU ZN PB MN	Production: small	649490 E 3664809 N	VEIN; SHEAR ZONE; REPLACEMENT; TABULAR; IRREGULAR; Deposit size: S; 3 PATENTED CLAIMS ADJACENT TO THE DOVER COPPER GROUP.; Minerals present: CHALCOCITE; CHRYSOCOLLA; MALACHITE; PYRITE; CORONADITE; LIBETHENITE; AZURITE; LIMONITE; KAOLIN;
CORPORATE AND CLIMAX CLAIMS; (CORPORATE GROUP; CLIMAX CLAIM)	MN AU	Production: small	650448 E 3658292 N	VEIN; GOLD PLACER; CONTACT METASOMATIC; IRREGULAR; POCKET; BANDED DEPOSITS OF MANGANESE; Deposit size: S; CORPORATE GROUP CONSISTS OF 5 CONTIGUOUS CLAIM. CLIMAX CLAIM LIES ADJACENT TO THE 2 EASTERN MOST CORPORATE CLAIMS. MANGANESE MINERALS ARE EXPOSED IN THE VEIN FOR ABOUT 400 TO 500 FT ALONG THE SURFACE.; Minerals present: PYROLUSITE; WAD-TYPE MANGANESE OXIDES; LIMONITE; QUARTZ GANGUE WITH SMALLER AMOUNTS OF SECONDARY CALCITE; LABRADORITE; HORNBLENDE; BIOTITE;
CUPRITE GROUP	CU AG AU	Production: small	650005 E 3667158 N	VEIN; REPLACEMENT; IRREGULAR; Deposit size: S; 16 PATENTED AND 10 UNPATENTED CLAIMS TOTALLING 490 ACRES. PROPERTY ALSO INCLUDED 2000 LINEAR FT OF STRONG HEMATITIC OUTCROPS WHICH RANGE FROM 5 TO 100 FT IN WIDTH.; Minerals present: CHALCOCITE; MALACHITE; DIOPTASE; HEMATITE;

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General Features:
Morenci area; porphyry copper system; base and precious metals, manganese oxides. Laramide granitic rocks intrude Paleozoic sedimentary rocks.

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
DETROIT MINE; (PART OF ARIZONA COPPER CO GROUP)	CU AG ZN MN	Production: small	652639 E 3660976 N	COPPER PORPHYRY; CONTACT METAMORPHIC; TABULAR; IRREGULAR; Deposit size: S; Minerals present: AZURITE, MALACHITE, CHALCOPYRITE, CUPRITE, SPHALERITE, PYRITE, CHALCOCITE; GARNET; LIMONITE AND SECONDARY QUARTZ (DECOMPOSITION PRODUCTS OF GARNET); AMPHIBOLE; EPIDOTE; HEMATITE; KAOLIN;
DOVER COPPER GROUP; (MINES: (KEATING; DOVER; TUCKY; MARGOT; GOLDBELT); BELL GROUP; ST. JOE GROUP; ANITA GROUP; MARGOT GROUP; TUCKY GROUP; GOLD BELT GROUP; KEATING GROUP)	CU AG AU PB	Production: small	648856 E 3664152 N	SHEAR ZONE VEIN; CONTACT METASOMATIC; GOSSAN; IRREGULAR; Deposit size: S; 136 PATENTED CLAIMS OWNED BY DOVER COPPER MINING CO (1957); ABOVE DESCRIBES KEATING VEIN ON WHICH KEATING MINE IS LOCATED; DOVER MINES LOCATED ON WESTERN PRONG OF CORONADO VEIN; Minerals present: MALACHITE, CHRYSOCOLLA, PYRITE, COVELLITE, CHALCOCITE; RARE AMOUNTS OF AZURITE, CHALCOPYRITE LEAD-MANGANESE ORE; KAOLIN, HEMATITE, LIMONITE GOSSAN, IRON-STAINED QUARTZ;
ELEVEN AND CELTIC GROUP; (CELTIC GROUP; VEILED PROPHET GROUP)	CU AG AU	Production: small	655838 E 3667095 N	VEIN; CONTACT METASOMATIC; REPLACEMENT; IRREGULAR BODIES OF LOW-GRADE ORE; Deposit size: S; 16 UNPATENTED CLAIMS TOTALLING 320 ACRES COMPRISED THE CELTIC GROUP, WHICH LATER BECAME PART OF THE VEILED PROPHET GROUP OF 30 PATENTED CLAIMS; Minerals present: CHALCOCITE; CHRYSOCOLLA; MALACHITE; BROCHANTITE; QUARTZ; PERTHITE; ORTHOCLASE; DEOMPOSED BIOTITE; EPIDOTE; MAGNETITE;
ELIZABETH CLAIMS	COPPER	PROSPECT	655143 E 3663202 N	No Data
EMERALD	COPPER	UNDERGROUND; PAST PRODUCER	650712 E 3664580 N	No Data
GOLD BAR MINES; (SOUTH SYCAMORE GROUP; MRS FRANK BATES GROUP; STEVENS BROTHERS GOLD HOLDING; SOUTHEAST SYCAMORE GROUP)	AG AU CU	Production: small	658251 E 3668458 N	VEIN; CONTACT METASOMATIC; IRREGULAR; Deposit size: S; MINE IS LOCATED ON LADY FRANKLIN VEIN; CLAIMS TOTALLING 10 UNPATENTED LODE; Minerals present: PYRITE, CHALCOPYRITE; LIMONITE, HEMATITE, HIGHLY SILICEOUS GANGUE;

38 Copper Mountain District

General Features:

Morenci area; porphyry copper system; base and precious metals, manganese oxides. Laramide granitic rocks intrude Paleozoic sedimentary rocks.

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
GOLD BELT MINES; (EAGLE GOLD AND COPPER CLAIMS; DOVER COPPER GROUP)	CU AG AU PB MN ZN	Production: small	647158 E 3661630 N	VEIN; CONTACT METASOMATIC; GOSSAN; LINEAR; IRREGULAR POCKETS; Deposit size: S; 20 PATENTED CLAIMS; COPPER ORE LIES IN STREAKS AND POCKETS WITH MANGANESE ORE; Minerals present: CHRYSOCOLLA, PYROLUSITE, MALACHITE, CHALCOCITE, SPHALERITE, GALENA, CERUSSITE; LIMONITE, QUARTZ GANGUE;
GOLDEN EAGLE PROSPECT	CU AU AG PB	Production: small	657846 E 3667527 N	VEIN; CONTACT METASOMATIC; CONTIGUOUS LENS AND SHOOT DEPOSIT; Deposit size: S; LOCATED ON GOLDEN EAGLE VEIN; MAXIMUM VEIN WIDTH IS 6 FT; CLAIM EXTENSION IS THE GREY EAGLE; CONSIDERED TO BE ON SAME LODE AS COPPER KING MINE WHICH IS LOCATED ON SE FLANK OF COPPER KING MOUNTAIN; Minerals present: PYRITE, CHALCOPYRITE, CHALCOCITE, BORNITE; KAOLIN; BLUE QUARTZ GANGUE; CLAY GANGUE;
GRANITE GOLD GROUP	SILVER, GOLD, COPPER, LEAD	SURFACE; EXP PROSPECT	658625 E 3669112 N	No Data
HORMEYER MINE	AU PB CU ZN AG	Production: small	654327 E 3660479 N	VEIN/SHEAR ZONE; TABULAR; Deposit size: S; Minerals present: CERUSSITE, COPPER, NATIVE GOLD, GALENA; QUARTZ GANGUE;
HUMBOLDT MINE; (LIVERPOOL TUNNEL; PART OF ARIZONA COPPER CO GROUP)	CU ZN	Production: medium	652505 E 3661189 N	PORPHYRY COPPER; VEIN, REPLACEMENT; DISSEMINATED; Deposit size: M; DECOMPOSED PORPHYRY SURROUNDING THE VEINS CONSIST PRIMARILY OF SERICITE, QUARTZ, PYRITE AND CHALCOCITE; ORE BODY IS ALMOST EXCLUSIVELY CONFINED TO PORPHYRY; VEINS ENTERING SEDIMENTARY MASSES BECOME NARROW AND POOR; REGIONAL FAULTING OCCURRED AFTER VEIN; Minerals present: CHALCOCITE, CHALCOPYRITE, PYRITE, SPHALERITE, MALACHITE, BROCHANTITE; SERICITE; KAOLIN OCCURRING AS VEINLETS IN THE QUARTZ MONZONITE PORPHYRY; LIMONITE; EPIDOTE, MAGNETITE, GARNET, HEMATITE, PYROXENE;

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General Features:

Morenci area; porphyry copper system; base and precious metals, manganese oxides. Laramide granitic rocks intrude Paleozoic sedimentary rocks.

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
IOLANTHE PROSPECT; (DEAD PINE, EL MORO)	CU	Production: small	654663 E 3667600 N	CONTACT METAMORPHIC; IRREGULAR MASSES; Deposit size: S; Minerals present: CHRYSOCOLLA, AZURITE, MALACHITE; HEAVY LIMONITE CROPPINGS WITH SOME EPIDOTE AND SERPENTINE;
LA PALMA GROUP; (CLAIMS: (LA PALMA, VENUS, SAN FRANCISCO); LAURA)	MN PB	Production: small	650510 E 3669476 N	REPLACEMENT; IRREGULAR; Deposit size: S; MINERALIZED BED IN AN OPEN CUT ON THE VENUS CLAIM HAS BEEN EXPOSED FOR ABOUT 60 FT ALONG THE STRIKE; WEST OF CUT, ORE IS EXPOSED ABOUT 30 FT ALONG THE DIP BY EROSIONAL PROCESSES; DEPOSIT PINCHES OUT TO EAST; Minerals present: PSILOMELANE; UNKNOWN;
LAKEMAN GROUP	CU AU AG PB FE	Production: small	648841 E 3659623 N	VEIN; SHEAR ZONE; IRREGULAR; Deposit size: S; 8 PATENTED CLAIMS TOTALLING ABOUT 138 ACRES; VEIN AVERAGES 3 FT IN WIDTH; Minerals present: FINELY DISSEMINATED PYRITE; HEMATITE; GALENA; BRECCIATED, COARSE-TEXTURED, GRAYISH QUARTZ GANGUE; LIMONITE STAIN; ORTHOCLASE; EPIDOTE; CHLORITE; HORNBLENDE; BIOTITE;
LAS TRAJAS MINE; (ARIZONA COPPER CO PROPERTY)	CU AU AG	Production: small	649826 E 3663582 N	VEIN; SHEAR ZONE; TABULAR; Deposit size: S; Minerals present: CHRYSOCOLLA; MALACHITE; LIMONITE, QUARTZ GANGUE;
LIME CAP GROUP; (SNYDER GROUP)	ZN PB V MO CU AU MN AG	Production: small	651177 E 3671581 N	REPLACEMENT; METAMORPHIC STRATIFORM; FLAT TABULAR; IRREGULAR POCKETS; Deposit size: S; CLAIMS TOTALLING 20 UNPATENTED LODE; MAXIMUM LENGTH OF OUTCROP EXCEEDS 1.0 MILE; CONTINUOUS MINERALIZED BED IRREGULARLY PENETRATES HANGING WALL OF FAULT; Minerals present: WULFENITE, VANADINITE, LEAD VANADATE, MOLYBDATE, ANGLESITE, CALAMINE, GALENA, SPHALERITE, CERUSSITE; UNKNOWN;

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General Features:
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Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
LONGFELLOW MINE; (LONGFELLOW INCLINE; PART OFARIZONA COPPER CO GROUP)	CU CLY3 AG AU	Production: medium	653242 E 3661848 N	CONTACT METAMORPHIC; REPLACEMENT; IRREGULAR; FUNNEL-SHAPED; Deposit size: M; PRINCIPAL STOPES BETWEEN THE NORTH AND MIDDLE DIKES DISPLAYED ESSENTIALLY CUPRITE WITH SMALL AMOUNTS OF MANGANESE DIOXIDE WHILE STOPES BETWEEN THE MIDDLE AND SOUTH DIKES SHOWED COPPER CARBONATES WITH LARGE AMOUNTS OF BLACK MANGANESE. PURE KAOLIN OCCUR; Minerals present: CHALCOCITE, PYRITE, CHALCOPYRITE, SPHALERITE, AZURITE, MALACHITE, CUPRITE, KAOLIN, KAOLINITE; MAGNETITE; EPIDOTE; TREMOLITE; GARNET; LIMONITE; CHLORITIZED BIOTITE AND HORNBLENDE;
MAMMOTH MINE; (ARIZONA COPPER CO GROUP)	CU	Production: small	653101 E 3667853 N	VEIN; TABULAR; IRREGULAR; Deposit size: S; 2 PATENTED CLAIMS: (MAMMOTH, LITTLE MAMMOTH MINE); CHRYSOCOLLA OCCURS ONLY IN KAOLIN GANGUE ALONG THE CONTACT OF PORPHYRY AND SEDIMENTARY SERIES; Minerals present: CHRYSOCOLLA; KAOLINITE IN SNOW-WHITE MAMMILLARY MASSES WITH AZURITE AND MALACHITE; LIMONITE SURROUNDING CHRYSOCOLLA MASSES; KAOLIN GANGUE;
MANGANESE BLUE MINE; (COPPER MOUNTAIN CLAIM WORKING; OLD BLUE SHAFT; DETROIT COPPER CO. GROUP)	CU FE GYP	Production: small	652587 E 3660728 N	CONTACT METAMORPHIC; TABULAR; Deposit size: S; CUPRITE IS DISTRIBUTED IN FINE SCALES ON THE JOINTS OF ALTERED CLAY SHALES. AZURITE FORMS LARGE MASSES OF ORE. ORE BODIES OCCUR THROUGH OUT THE LONGFELLOW LIMESTONE. ORES IN THE MANGANESE BLUE MINE OCCUR ON 4 PRINCIPAL HORIZONS: ON THE FIRST HORIZON; Minerals present: CHALCOCITE; MALACHITE; AZURITE; PYRITE; CHALCOPYRITE; CUPRITE; BROCHANTITE, GYPSUM; MAGNETITE ASSOCIATED WITH GARNET, AMPHIBOLE, PYROXENE, LIMONITE, EPIDOTE; KAOLIN;
MANSFIELD CLAIM; (EXPECTATION GROUP)	CU AU AG	Production: small	655791 E 3666509 N	VEIN; POCKET; Deposit size: S; Minerals present: MALACHITE; QUARTZ; PERTHITE; ORTHOCLASE; DECOMPOSED BIOTITE; EPIDOTE; MANGETITE;

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General Features:
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Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
METCALF MINES; (METCALF OPEN PIT; ARIZONA COPPER CO GROUP)	CU AG AU MO ZN	Production: small	652958 E 3665077 N	PORPHYRY; BRECCIA PIPE; VEIN; IRREGULAR; TABULAR; PIPE; Deposit size: S; METCALF MINES COMPRISE 3 SEPARATE ORE BODIES: (ORE BODY ON METCALF RIDGE CONSISTS OF SUPERGENE ORE IN GRANITE PORPHYRY; ON KING RIDGE, PORPHYRY AND PRECAMBRIAN GRANITE ARE CUT BY NE-STRIKING VEINS AND BRECCIAS; UNDERGROUND MINE ON KING RIDGE OPENS A BRE; Minerals present: CHALCOCITE; CUPRITE; COVELLITE; SOME CHRYSOCOLLA, BROCHANTITE, AZURITE, MALACHITE, MOLYBDENITE, PYRITE, CHALCOTRICHITE, CHALCANTHITE; GARNET; MAGNETITE; LIMONITE; SERICITE; KAOLIN; CHALCEDONY;
MIZA	COPPER	UNDERGROUND; PAST PRODUCER	650361 E 3665531 N	No Data
MOLINAR ALASKA MINE; (MOLINAR MINE; ALASKA MINE; STELLA MINE; STEVENS MINE; STEVENS MOLINAR MINE STEVENS LEASE; ALASKA TUNNEL)	CU AG AU	Production: small	652538 E 3667443 N	VEIN; CONTACT METASOMATIC; IRREGULAR; PODS; Deposit size: S; 2 PATENED CLAIMS: (ALASKA, MOLINAR); DEPOSIT INCLUDES RICH PODS OF SUPERGENE CHALCOCITE ORE; Minerals present: CHRYSOCOLLA, MALACHITE, SPECULARITE, RARE AMOUNTS OF CHALCOCITE, PYRITE, CHALCOPYRITE, CUPRITE, CALCACITE ORE; MAGNETITE, LIMONITE;
MONTE CRISTO MINE	CU	Production: small	651432 E 3666594 N	VEIN; IRREGULAR ORE SHOOTS; Deposit size: S; 2 PATENTED CLAIMS; Minerals present: DIOPTASE; LIMONITE;
MORENCI MINE	CU MO AU AG GEM PB ZN U GYP REE TLC	Production: large	652560 E 3662453 N	PORPHYRY COPPER; REPLACEMENT; ELLIPTICAL; Deposit size: L; ENRICHMENT BLANKET RANGES FROM 50 TO 1000 FT THICK AND THICKENS FROM W TO E. TURQUOISE FOUND IN THE OXIDIZED PART OF THE DEPOSIT.; Minerals present: CHALCOPYRITE, PYRITE, CHALCOCITE, MOLYBDENITE, SPHALERITE, ARGENTITE, STROMEYERITE, TURQUOISE; GOETHITE, HEMATITE, JAROSITE, OPAL, ALLOPHANE, GYPSUM, MN-OXIDES, NONTRONITE, ALUM, MAGNETITE, ALUNITE, TREMOLITE, GARNET, TALC AND OTHERS;

38 Copper Mountain District

General Features:

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Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
NEW YORK AND ARIZONA GOLD MINES; (CANSLER MINE; BUZZARD SHADOW GROUP)	AG CU AU PB MN	Production: small	648474 E 3660418 N	VEIN; CONTACT METASOMATIC; REPLACEMENT; TABULAR, IRREGULAR; Deposit size: S; 30 UNPATENTED CLAIMS TOTALLING 600 ACRES PLUS A 150-ACRE MILL SITE; PROPERTY INCLUDED 4 ORE BODIES OF WHICH THE BUZZARD SHADOW IS THE EASTERNMOST; Minerals present: QUARTZ, PERTHITE, ORTHOCLASE, EPIDOTE, MAGNETITE, LIMONITE;
OBW FRY	AU	Production: none	651806 E 3671313 N	
OLIVER CLAIMS	MN	Production: small	651991 E 3674398 N	SHEAR ZONE; LENSES, IRREGULAR MASSES; Deposit size: S; FAULT OR FRACTURE ZONE STRIKES N40E AND DIPS STEEPLYTO NW; LIMESTONE BEDS TREND ABOUT N30E AND DIP 20NW; 2 UNPATENTED LODE CLAIMS; Minerals present: PYROLUSITE, PSILOMELANE; MANGANESE GANGUE COMPOSED OF UNREPLACED LIMESTONE, BLACK AND WHITE CALCITE, AND A PINKISH CHERT;
POLARIS GROUP; (PARROT GROUP; GOLDEN EAGLE; EVANS POINT GOLD PLACERS)	AU CU AG PB ZN	Production: small	657847 E 3667497 N	VEIN; CONTACT METASOMATIC; PLACER; DISSEMINATED ORES IN PORPHYRY; CONTIGUOUS LENSE AND SHOOT DEPOSITS; PINCH AND SWELL; Deposit size: S; POLARIS PROPERTY LOCATED ON 3 VEINS (GOLDEN EAGLE, BLACK PRINCE, RUSSIAN BEAR/FAIRVIEW); PLACER DEPOSITS IN ALL DRAINAGES FROM PROPERTY; 60 PATENTED AND UNPATENTED CLAIMS TOTALLING 1100 ACRES PLUS 70-ACRE MILLSITE; VEINS AVERAGE 1 TO 5 FT WIDTH AND TEND; Minerals present: CHALCOPYRITE, BORNITE, PYRITE, CHALCOCITE; KAOLIN; BLUE QUARTZ GANGUE; CLAY GANGUE; SULPHUR;
PRODUCER	COPPER	UNDERGROUND; PAST PRODUCER	650541 E 3662298 N	No Data
PROSPECTS AND ADITS	SILVER, GOLD, SILICON, IRON	PROSPECT	649834 E 3659423 N	No Data

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General Features:

Morenci area; porphyry copper system; base and precious metals, manganese oxides. Laramide granitic rocks intrude Paleozoic sedimentary rocks.

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
SAN JOSE MINE; (STANDARD GROUP)	CU AG	Production: small	653394 E 3664006 N	VEIN; METAMORPHIC; IRREGULAR; Deposit size: S; 3 PATENTED CLAIMS TOTALLING 48 ACRES; NO WELL-DEFINED VEIN IS VISIBLE ON THE SURFACE; IRREGULAR ORE BODIES EXTEND INTO PORPHYRY FROM FISSURE VEIN; Minerals present: CHALCOCITE, MALACHITE, BROCHANTITE, MOLYBDENITE; LIMONITE, CHLORITE, KAOLIN;
SANTA LUCIA MINE; (JUPITER CLAIM)	CU AG AU	Production: small	651429 E 3666749 N	VEIN; IRREGULAR ORE SHOOTS; Deposit size: S; ORIGINAL CLAIM OF SANTA LUCIA OVERLAPPED BY SANTA ISABELLA AND JUPITER CLAIMS OF STEVENS GROUP; Minerals present: CHRYSOCOLLA; MALACHITE; DIOPTASE; LIMONITE;
SHANNON MINE; (SHANNON MTN. MINE)	CU AG AU GAR FE ZN MN	Production: small	653004 E 3665726 N	REPLACEMENT, DISSEMINATED, CONTACT METASOMATIC, PORPHYRY; IRREGULAR; Deposit size: S; ALL DEPOSITS ARE CONTAINED Within the Modoc and Longfellow sequences (formations); Minerals present: CUPRITE, CHALCOCITE, PYRITE, CHALCOPYRITE, MALACHITE, AZURITE, CHRYSOCOLLA, BROCHANTITE; GARNET (ANDRADITE), MAGNETITE, LIMONITE, PYROXENE, ASBESTOS, KAOLIN, QUARTZ, CALCITE, EPIDOTE, AMPHIBOLITE, PYROLUSITE, DIOPSIDE, TREMOLITE, HEMATITE;
SILVER KING MINE; (SILVER LEAD CLAIM; STARGO GROUP)	CU AG AU	Production: small	653977 E 3659641 N	VEIN; SHEAR ZONE; NORMAL FISSURE VEIN FILLING WITH IRREGULAR AND BLANKET LATERAL EXTENSIONS; Deposit size: S; ONE OF 26 PATENTED CLAIMS OF THE STARGO MINES CO (INC); ALL CLAIMS TOTAL 520 ACRES; ONE OF 8 KNOWN VEINS ON STARGO PROPERTY OF WHICH THE STARGO VEIN IS THE MAIN DEPOSIT; Minerals present: NATIVE SILVER, HORN SILVER, RUBY SILVER, NATIVE GOLD; SILICEOUS GANGUE;
SOUTH SYCAMORE GROUP	GOLD, SILVER, COPPER	UNDERGROUND; UNKNOWN	658375 E 3668645 N	No Data

38 Copper Mountain District

General Features:

Morenci area; porphyry copper system; base and precious metals, manganese oxides. Laramide granitic rocks intrude Paleozoic sedimentary rocks.

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
STANDARD COPPER MINE	CU AG	Production: small	653601 E 3663947 N	VEIN; METAMORPHIC; IRREGULAR; Deposit size: S; IRREGULAR ORE BODIES EXTEND INTO PORPHYRY FROM FISSURE VEIN; 5 PATENTED CLAIMS TOTALLING 99 ACRES; NO WELL-DEFINED VEIN IS VISIBLE ON THE SURFACE; Minerals present: MALACHITE, PURE CHALCOCITE ORE, BROCHANTITE, AZURITE, MOLYBDENITE; LIMONITE, CHLORITE, KAOLIN;
STARGO MINES; (CRAIG; NEVADA; STARGO EXTENSION; STARGO SILVER BELT; SILVER MOHAWK; CAPOTE; SILVERLEAD MINE; SILVER KING MINE)	AG AU CU PB	Production: small	653180 E 3658026 N	VEIN; SHEAR ZONE; NORMAL FISSURE VEIN FILLING WITH IRREGULAR AND BLANKET LATERAL EXPANSIONS; Deposit size: S; 26 PATENTED CLAIMS TOTALLING 520 ACRES; 8 KNOWN VEINS ON STARGO PROPERTY OF WHICH THE STARGO VEIN IS THE MAIN DEPOSIT; ABOVE DESCRIBES STARGO VEIN DEPOSIT; MAXIMUM LENGTH DATA DESCRIBES SURFACE EXPOSURE WHILE LENGTH UNDERGROUND MAY EXCEED 1.0 MILE; Minerals present: NATIVE SILVER, HORN SILVER, RUBY SILVER; SILICEOUS GANGUE;
STEVENS GROUP MINES; (STEVENS LEASE; MINES=(MOLINAR ALASKA, STELLA, BRUNSWICK, STEVENS-STONEWALL JACKSON))	CU AG AU	Production: small	651783 E 3667400 N	CONTACT METAMORPHIC; SHEAR ZONE; IRREGULAR MASSES; SHOOTS; Deposit size: S; 39 PATENTED CLAIMS TOTALLING 780 ACRES; CLAIMS INCLUDE THE XIV GROUP AND THOSE LOCATED IN GARFIELD GULCH; ORE SHOOTS OF CHALCOCITE PLUNGE TO NORTH; Minerals present: CHRYSOCOLLA; CHALCOPYRITE; CHALCOCITE; CUPRITE; GALENA; DIOPTASE; PYRITE; LIMONITE SURROUNDING CHRYSOCOLLA MASSES; DISSEMINATED MAGNETITE FREQUENTLY STAINED BY COPPER;
SYLVIA M CLAIMS	MN	Production: none	650287 E 3675480 N	FRACTURE; SHEAR ZONE; STRINGERS, IRREGULAR BUNCHES; Deposit size: S; 6 UNPATENTED CLAIMS; FRACTURE ZONE STRIKES N55-60E; Minerals present: PYROLUSITE, WAD; QUARTZ AND CALCITE GANGUE;
TRIPLE S NO 1 AND 2	COPPER	PROSPECT	658793 E 3668405 N	No Data

38 Copper Mountain District

General Features:
Morenci area; porphyry copper system; base and precious metals, manganese oxides. Laramide granitic rocks intrude Paleozoic sedimentary rocks.

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
TWIG MINE; (HOGAN TWIGG CLAIM)	PB ZN AU AG CU	Production: small	652480 E 3675946 N	COLLAPSE BRECCIA; SHEAR ZONE; IRREGULAR; Deposit size: S; 3 PATENTED CLAIMS LISTED AS TWIGI, TWIG II, TWIG III; Minerals present: GALENA, CERUSSITE, MANGANESE DIOXIDES, VANADINITE, WULFENITE, SILVER HALOGENS, ANGLESITE; CALCITE, MAGNETITE, PYROMORPHITE;
XIV GROUP; (STEVENS LEASE)	CU AG	Production: small	652353 E 3666146 N	VEIN; PORPHYRY COPPER; IRREGULAR AND IN NARROW STRINGERS; Deposit size: S; ORE ZONE HAS MAXIMUM WIDTH OF 100 FT AND CONTAINS 2 VEINS WITH DIMENSIONS 30 FT BY 400 FT; SEVERAL SMALLER VEINS WITH DIMENSIONS 4 IN. BY 24 IN.; 12 UNPATENTED CLAIMS (X.I.V. GROUP NO 1 THROUGH 12); Minerals present: MALACHITE; CUPRITE; CHRYSOCOLLA; AZURITE; CHALCOCITE; CHALCOPYRITE; CALCACITE ORE; MAGNETITE, LIMONITE;
YAVAPAI MINE; (PART OF ARIZONA COPPER CO GROUP)	CU ZN	Production: small	653006 E 3661967 N	COPPER PORPHYRY; REPLACEMENT; IRREGULAR; Deposit size: M; DISSEMINATED PYRITE IN SERICITIZED PORPHYRY IS EITHER PARTLY OR WHOLLY REPLACED BY CHALCOCITE. LIMESTONES CONTAIN VERTICAL SEAMS OF PYRITE.; Minerals present: CHALCOCITE; CHALCOPYRITE; PYRITE; SPHALERITE; EPIDOTE; GARNET; PYROXENE; MAGNETITE;

39 Copper Mountain District, easter

General Features:
porphyry copper system; base and precious metals, manganese

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
AMAX INC.	GOLD, SILVER, COPPER, ZINC	SURF-UNDERG; UNKNOWN	659255 E 3665517 N	No Data

39 Copper Mountain District, easter

General Features:
porphyry copper system; base and precious metals, manganese

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
BLACK ROCK GROUP; (BLACK MAGIC PROSPECTS)	MN	Production: small	659349 E 3661174 N	1952 ASSAY VALUES RANGED FROM 12% TO 48% MN; IRREGULAR; LENSE-SHAPED; Deposit size: S; PROPERTY TOTALS 9 UNPATENTED CLAIMS. STRIKE AND DIP ARE ESTIMATED. AT THE MOUTH OF THE CANYON, THE ERRATICALLY MINERALIZED CHERT BED IS ABOUT 50 FT THICK. 0.1 MILE FURTHER UP THE WASH, ORE-BEARING CHERT BEDS ARE EXPOSED TO LENGTHS OF 150 FT.; Minerals present: PYROLUSITE; PSILOMELANE; WAD-TYPE MANGANESE; UNKNOWN;
FLUX CLAIMS	COPPER	PROSPECT	660944 E 3665236 N	No Data
KEPPLER	GOLD, SILVER, COPPER, IRON	UNDERGROUND; PAST PRODUCER	658527 E 3660730 N	No Data
MIDNIGHT MINE; (KEATING MINE)	CU AU PB AG MN	Production: small	658015 E 3660567 N	REPLACEMENT; FLAT TABULAR; IRREGULAR POCKETS; Deposit size: S; ONE PATENTED LODE CLAIM; CONTINOUS MINERALIZED LAYERS PENETRATE HANGING AND FOOT WALLS TO FORM IRREGULAR BODIES; DIMENSION OF DEPOSIT WERE ESTIMATED FROM SURFACE CUTS; Minerals present: LEAD AND ZINC CARRONATES, AURIFEROUS PYRITE, CHALCOPYRITE, GALENA, SPHALERITE; LIMONITE, GARNET, EPIDOTE;

40 Gila Hot Springs District

General Features:
Manganese oxides in lenses along fractures in Tertiary basin fill, associated with Tertiary volcanic activity

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
GILA HOT SPRINGS GROUP; (PYROLUSITE NO. 1 LODE MINING CLAIM, HULT PYROLUSITE PROPERTY)	MN BA	Production: small	655099 E 3649492 N	SHEAR ZONE/FRACTURES, VEIN; LENSES, IRREGULAR PODS; Deposit size: S; MN ORE OCCURS SPORADICALLY ALONG FRACTURES IN PARALLEL STRINGERS AND PODLIKE MASSES; Minerals present: WAD, PYROLUSITE, BARITE; GANGUE OF BLACK AND WHITE CALCITE WITH SOME BARITE;
PYROLUSITE NO. 1	MANGANESE	SURFACE; PAST PRODUCER	655747 E 3649594 N	No Data

42 111 Ranch District

General Features:
Uranium-rich lacustrine sediments, unit Tsy

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
CANUK GROUP	U	Production: none	645523 E 3621098 N	SEDIMENTARY, VEIN; Deposit size: S; SECONDARY URANIUM MINERALS COATING FRACTURES AND BEDDING PLANES IN CLAY, TUFF, AND OPALITE BEDS.; Minerals present: CARNOTITE;
FLAT TIRE GROUP	U	Production: small	643550 E 3620730 N	SEDIMENTARY, VEIN; Deposit size: S; SECONDARY URANIUM MINERALS COATING FRACTURES AND BEDDING PLANES IN CLAY, TUFF, AND OPALITE BEDS.; Minerals present: CARNOTITE;
MERMAID MINING CO PROPERTY	CLAY, URANIUM, DIATOMITE	SURFACE; UNKNOWN	641188 E 3619956 N	No Data
PLUTO GROUP	U	Production: none	642922 E 3620752 N	SEDIMENTARY, VEIN; Deposit size: S; SECONDARY URANIUM MINERALS COATING FRACTURES AND BEDDING PLANES IN CLAY, TUFF, AND OPALITE BEDS.; Minerals present: CARNOTITE;
ROYAL JOHN PROSPECT	U	Production: none	643443 E 3621067 N	SEDIMENTARY, VEIN; Deposit size: S; SECONDARY URANIUM MINERALS COATING FRACTURES AND BEDDING PLANES IN CLAY, TUFF, AND OPALITE BEDS.; Minerals present: CARNOTITE;

43 Twin Peaks District

General Features:
Large area of propyllitic, argillic, and silicic alteration; base metal sulfides in quartz-calcite veins in Tertiary volcanic rocks. Southwestern part of Steeple Rock district of New Mexico; manganese oxides in veins along fractures

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
COMMERCE; (MAYFLOWER)	CU	Production: none	679468 E 3644607 N	VEINS AND FRACTURE FILLINGS; Deposit size: S; Minerals present: CHALCOSITE, CHACOPYRITE, NATIVE CU, CHRYSOCOLLA;
COPPER BASIN; (LOTTY-INDEPENDENCE)	CU	Production: exists, quantity unknown	682062 E 3644963 N	VEIN; Deposit size: S; Minerals present: CHALCOPYRITE, MALACHITE, AZURITE;

44 Goat Camp or Steeple Rock Dist.

General Features:

Large area of propylitic, argillic and silicic alteration; fluorite and manganese oxides with quartz, minor barite and copper sulfides in quartz-calcite-flourite veins and as breccia filling in Tertiary volcanic rocks

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
BLACK CAT CLAIMS	MN	Production: small	680042 E 3638794 N	VEINS; LENSES; Deposit size: S; PROPERTY COMPRISES 2 CONTIGUOUS UNPATENTED CLAIMS. ORE LENSES RANGE FROM A FEW INCHES TO 2.5 FT IN WIDTH AND FROM A FEW FT TO SEVERAL TENS OF FT IN LENGTH.; Minerals present: PSILOMELANE, PYROLUSITE; GANGUE OF CALCITE, FLOURITE, AND A SMALL AMOUNT OF QUARTZ;
DANIELS CAMP	F MN BE	Production: small	678959 E 3637049 N	FRACTURE FILLINGS, HYDROTHERMAL VEIN, BRECCIA FILL; TABULAR; Deposit size: S; MEDIUM- TO COARSE-GRAINED, COLORLESS OR GREEN FLUORITE AS LENSES IN VEINS OF DENSE, MASSIVE, BANDED QUARTZ CUTTING TERTIARY VOLCANICS.; Minerals present: FLUORITE, MANGANESE OXIDES;
DEAN	COPPER, SILVER, LEAD	UNDERGROUND; PAST PRODUCER	681901 E 3634051 N	No Data
FOURTH OF JULY CLAIMS; (ELLIS SHAFT; SYDNEY MINE; BILLINGSLEY FLUORSPAR MINES)	F MN W CU AU AG BE	Production: small	680066 E 3637439 N	VEIN; SHEAR ZONE; LENSES; POCKETS; Deposit size: S; ONLY SMALL SECTIONS OF TOTAL LENGTH OF VEIN SYSTEM ARE KNOWN TO CONTAIN FLUORSPAR (IE: ONE SECTION ALONG THE STRIKE IS 400 FT LONG); RIVERVIEW VEIN CARRIES CU, AU, AND AG (STRIKES DUE E-W AND DIP IS ALMOST VERTICAL).; Minerals present: FLUORITE; PSILOMELANE; BERTRANDITE; COPPER SULFIDES AND CARBONATES; QUARTZ, OLIVINE, CALCITE GANGUE;
LUCKIE NO. 1 AND 2 CLAIMS	F MN W BA BE	Production: small	682122 E 3636090 N	VEIN; SHEAR ZONE; REPLACEMENT; LENSES; POCKETS; Deposit size: S; LUCKIE NO. 1 VEIN IS ABOUT 7-8 FT WIDE, NARROWING TO LESS THAN 1 FT WIDE TO THE SOUTH; FLUORITE VEINLETS REACH 1 INCH THICKNESS AND ARE SCATTERED IRREGULARLY THROUGH QUARTZ-RICH PART OF VEIN; Minerals present: FLUORITE; PSILOMELANE; BERTRANDITE; BARITE; BANDED MILKY QUARTZ IS PREDOMINANT GANGUE; DRUSY QUARTZ IS SECONDARY; 5% CAO3; LIMONITE;

45 Safford District

General Features:

porphyry copper systems; in Laramide volcanic and granitic rocks. Lone Star, San Juan and Dos Pobres of Keith et. al, 1983.

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
CLARIDGE PROPERTY	COPPER	PROSPECT	626831 E 3646869 N	No Data
DOS POBRES	COPPER	UNDERGROUND; DEVEL DEPOSIT	623990 E 3647787 N	No Data
HORSESHOE	COPPER, SILVER, GOLD, SILICON, IRON	SURF-UNDERG; PRODUCER	630030 E 3642629 N	No Data
HORSESHOE MINE; (LONE STAR MINE; HORSESHOE COPPER GROUP)	CU AU AG	Production: small	630109 E 3642691 N	VEIN; IRREGULAR; Deposit size: S; Minerals present: CHALCOPYRITE, GOLD;
KENNECOTT SAFFORD PROJECT-LONE STAR	COPPER, LEAD, SILVER, GOLD, COPPER, MOLYBDENUM	LEACH; PAST PRODUCER	628717 E 3643720 N	No Data
LONE STAR	CU MO	Production: none	629349 E 3642898 N	DISSEMINATED CU-MO; Minerals present: MOLYBDENITE, CHALCOPYRITE;
LOS PABRES MINE; (LOS POBRES, SAFFORD PHELPS DODGE)	CU MO AG AU	Production: none	623938 E 3647787 N	PORPHYRY COPPER; IRREGULAR; Deposit size: L; Minerals present: CHALCOPYRITE, MOLYBDENITE; PYRITE;
MORNING STAR	COPPER, GOLD, SILVER	UNDERGROUND; PAST PRODUCER	629202 E 3644282 N	No Data
PEACOCK MINE	COPPER, COPPER, SILVER, GOLD, MOLYBDENUM	SURFACE; PAST PRODUCER	626058 E 3646458 N	No Data
PHELPS DODGE SAFFORD PROJECT	COPPER, COPPER, COPPER	SURF-UNDERG; PRODUCER	623988 E 3647880 N	No Data
SAN JUAN MINE; (PEACOCK)	CU AG AU MO	Production: small	625988 E 3646089 N	PORPHYRY, FRACTURE FILLING; IRREGULAR; Deposit size: M; Minerals present: PYRITE, CHALCOPYRITE, AZURITE, BROCHANTITE, CHRYSOCOLLA, CUPRITE, CHALCOCITE, MALACHITE, ANTLERITE, TENORITE; LIMONITE BOXWORKS, HEMATITE;

45 Safford District

General Features:
porphyry copper systems; in Laramide volcanic and granitic rocks. Lone Star, San Juan and Dos Pobres of Keith et. al, 1983.

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
STEEPLE ROCK	GOLD, SILVER, COPPER	SURF-UNDERG; PRODUCER	627207 E 3647983 N	No Data
WALNUT GROUP	COPPER	UNDERGROUND; PAST PRODUCER	626866 E 3648256 N	No Data

46 Sanchez district

General Features:
porphyry copper system; in Laramide volcanic and intrusive rocks

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
INSPIRATION SANCHEZ PROJECT	COPPER, COPPER, COPPER, GOLD	UNDERGROUND; PRODUCER	636156 E 3639291 N	No Data
SANCHEZ	COPPER	SURFACE; EXP PROSPECT	636860 E 3639178 N	No Data
SANCHEZ COPPER DEPOSIT; (SAFFORD INSPIRATION, CARPENTER)	CU MO AG AU	Production: small	637147 E 3639028 N	PORPHYRY COPPER; IRREGULAR; Deposit size: M; Minerals present: CHALCOPYRITE, MOLYBDENITE;

47 California District (7)

General Features:
Base metal sulfides and carbonates in Paleozoic limestone units; in veins along shear zones associated with granitic intrusions; mineralization associated with Apache Pass fault zone.

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
BADGER HALL GROUP	COPPER, LEAD, SILVER, GOLD	UNDERGROUND; EXP PROSPECT	664507 E 3537694 N	No Data
CAPTAIN BURNS	ZINC, LEAD	PROSPECT	662997 E 3538502 N	No Data
COPPEROPOLIS MINE	CU AG AU	Production: none	664297 E 3537691 N	UNKNOWN; Deposit size: S; MEAGER MINERALIZATION; Minerals present: UNKNOWN CU, AU, AG;
HILLTOP EXTENSION MINE; (LILLY & WHALE GROUPS)	PB AG ZN CU AU MO	Production: small	664115 E 3540738 N	VEINS, REPLACEMENT; IRREGULAR; Deposit size: S; ORE IN QUARTZ VEINS AND IN PYROMETASOMATIC DEPOSITS IN SILICIFIED AND TILTED LIMESTONES CUT BY INTRUSIVES.; Minerals present: GALENA, SPHALERITE, CHALCOPYRITE, SECONDARY CU MINERALS; PYRITE, QUARTZ;

47 California District (7)

General Features:
Base metal sulfides and carbonates in Paleozoic limestone units; in veins along shear zones associated with granitic intrusions; mineralization associated with Apache Pass fault zone.

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
HILLTOP MINE; (DUNN SHAFT, BLACKSMITH SHAFT, KASPER TUNNEL, RHEM ADIT, GRAY)	PB ZN CU MO AG AU W CD AS AS	Production: small	661658 E 3540114 N	FISSURE VEIN, REPLACEMENT; LENSES, SHOOTS, POCKETS, CHIMNEYS; Deposit size: S; LOCALLY PIPES OF MASSIVE SULFIDES (1-6 FT DIA) FOLLOW FRACTURES I NTO LIMESTONE FOR DISTANCES OF UP TO 50 FT; Minerals present: GALENA, CERUSSITE, SPHALERITE, CHALCOPYRITE, WULFENITE, SCHEELITE, PYRITE, ANGLESITE, SMITHSONITE, MAGNETITE, AZURITE, CHRYSOCOLLA, MALA CHITE, PSILOMELANE, PYROLUSITE, ARSENOPYRITE, COPPER, GOLD, SILVER; GARNET, EPIDOTE, CHLORITE, CALCITE, CLINOZOISITE, QUARTZ, WOLLASTON ITE, GYPSUM, TREMOLITE, LIMONITE;
MANHATTAN MINE GROUP	CU PB ZN AG AU	Production: small	664122 E 3538582 N	DISSEMINATED; IRREGULAR; Deposit size: S;
PAGE LEAD MINE	PB ZN AG	Production: small	662540 E 3539326 N	UNKNOWN; Deposit size: S;
RIEDER MINE	CU AU AG	Production: none	663777 E 3540578 N	REPLACEMENT; Deposit size: S; . MEAGER CU-AG MINERALIZATION IN A LIMESTONE-RHYOLITE CONTACT;
SULLIVAN MINE GROUP, CROSBY GROUP; (BLUE BELL, COPPEROPOLIS)	CU PB ZN AG AU	Production: small	664073 E 3540430 N	REPLACEMENT; IRREGULAR; Deposit size: S; ORE BODIES IN SILICATED LIMESTONES AND ALONG SHEAR ZONES IN LIMESTONE AND IRREGULAR RHYOLITE INTRUSIVE.; Minerals present: CHALCOCITE, MALACHITE, AZURITE, CHRYSOCOLLA, CHALCOPYRITE, BORNITE, GOLD, SILVER;

48 California District (6)

General Features:
Base metal sulfides and carbonates in Paleozoic limestone units; in veins along shear zones associated with granitic intrusions; mineralization associated with Apache Pass fault zone.

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
AJAX MINE; (DORAN AND GALLAGHER)	CU PB AG ZN AU	Production: small	668903 E 3543280 N	VEINS AND DISSEMINATIONS; IRREGULAR; Deposit size: S; VEINS AND DISSEMINATIONS IN LATE CRETACEOUS TO TERTIARY VOLCANIC CONGLOMERATES CUT BY TERTIARY SILICIC PORPHYRY DIKES.; Minerals present: BASE METAL MINERALS;

48 California District (6)

General Features:
Base metal sulfides and carbonates in Paleozoic limestone units; in veins along shear zones associated with granitic intrusions; mineralization associated with Apache Pass fault zone.

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
BLUE MOUNTAIN MINE; (DORAN)	PB AG CU	Production: small	670582 E 3543432 N	REPLACEMENT; LENS; Deposit size: S; Minerals present: LEAD; COPPER CARBONATES, SILVER;

49 California District (5)

General Features:
Base metal sulfides and carbonates in Paleozoic limestone units; in veins along shear zones associated with granitic intrusions; mineralization associated with Apache Pass fault zone.

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
DORAN MINE	LEAD, ZINC, COPPER	UNDERGROUND; PAST PRODUCER	670989 E 3542699 N	No Data
EPLEY PROPERTY	COPPER, LEAD	UNDERGROUND; EXP PROSPECT	671000 E 3540481 N	No Data
HARRIS MOUNTAIN GROUP; (BLUE RIBBON, RIMSKI, HARRIS MALACHITE GROUPS)	PB ZN CU AG	Production: small	671281 E 3542304 N	REPLACEMENT; IRREGULAR; Deposit size: S; SMALL REPLACEMENT DEPOSITS AND VEIN (N70E) IN FOLDED MISSISSIPPIAN AND PENNSYLVANIAN LIMESTONES.; Minerals present: CHALCOPYRITE, GALENA, SPHALERITE, MALACHITE, AZURITE;
HORACE MINE	PB CU AG	Production: small	671505 E 3541938 N	REPLACEMENT; IRREGULAR; Deposit size: S; ORE IN FOLDED AND FAULTED, SILICIFIED LIMESTONE.;
HUMBOLDT MINE; (BRADSHAW ARIZONA)	AG CU PB MN	Production: small	673322 E 3536762 N	VEIN/SHEAR ZONE; IRREGULAR; Deposit size: S; VEIN AVERAGES 2.5 FT WIDE; Minerals present: GOLD, BASE METAL SULFIDES;
KING AINSWORTH GROUP; (AINSWORTH, COCHISE-BULLION, OREGON GROUP)	ZN PB CU AG AU W MO	Production: small	671549 E 3539289 N	SHEAR ZONE/DISSEMINATED; IRREGULAR AND SPOTTY; Deposit size: S; ORE ALONG SHEAR ZONES AND DISSEMINATED IN SILICATED & PYROMETAMOR PHOSED LIMESTONE ALONG A ZONE OF THRUST FAULTING. ANDESITE DIKE AND SH EAR ZONE CONTACT HAS ORIENTATION GIVEN; Minerals present: GALENA, CHALCOPYRITE, SCHEELITE, POWELLITE(?); EPIDOTE, CALCITE, MN & FE OXIDES;
MORNING STAR MINE GROUP	CU PB AU AG	Production: small	670598 E 3539643 N	PYROMETASOMATIC; IRREGULAR; Deposit size: S; EXPOSED FOR LENGTH OF 600 FT, WIDTH OF 100 FT, AND REPORTED BY BISBEE SONORA DEV CO. TO HAVE DEPTH OF 280 FT, 1912-1913;

49 California District (5)

General Features:
Base metal sulfides and carbonates in Paleozoic limestone units; in veins along shear zones associated with granitic intrusions; mineralization associated with Apache Pass fault zone.

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
ROUND VALLEY (MORROW) MINE	AG	Production: small	673684 E 3537169 N	UNKNOWN; Deposit size: S;
SCANLON MINE	PB CU ZN AG	Production: small	669894 E 3540525 N	CONTACT METAMORPHIC; STRINGERS; Deposit size: S; MINERALIZED STRINGERS . FOUR OREBODIES PRESENT, 30 FT WIDE VEIN WITH CHALCOPYRITE REPORTED IN 1907; Minerals present: GALENA, BORNITE, CHALCOPYRITE, SPHALERITE;
SUNSET MINE GROUP; (THOMPSON, BLACK PRINCE)	PB ZN AG CU AU	Production: small	671489 E 3541198 N	VEIN/SHEAR ZONE; IRREGULAR; Deposit size: S; ONE ORE BODY AVERAGES 4 FT IN WIDTH, IRREGULAR;

50 California District (4)

General Features:
Base metal sulfides and carbonates in Paleozoic limestone units; in veins along shear zones associated with granitic intrusions; mineralization associated with Apache Pass fault zone.

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
BISMUTH	GOLD, SILVER, BISMUTH	UNKNOWN; PAST PRODUCER	677294 E 3531778 N	No Data
GRACE MINE	LEAD, COPPER, SILVER, TUNGSTEN	SURF-UNDERG; PAST PRODUCER	677382 E 3531194 N	No Data
HOMESTAKE MINE	CU AG	Production: small	675001 E 3530937 N	PORPHYRY; IRREGULAR; Deposit size: S; ORE ALONG A FAULT ZONE SEPARATING LIMESTONE FROM VOLCANICS NEAR A PORPHYRY STOCK.;
SAVAGE MINE	CU PB AG AU	Production: small	675384 E 3532885 N	REPLACEMENT; IRREGULAR; Deposit size: S; ORE IN FAULTED AND TILTED LIMESTONE. FIVE ORE BODIES, 2 FT TO 36 FT IN WIDTH REPORTED IN 1908;

53 California District (3)

General Features:
Base metal sulfides and carbonates in Paleozoic limestone units; in veins along shear zones associated with granitic intrusions; mineralization associated with Apache Pass fault zone.

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
ANANIAS	LEAD, COPPER, SILVER, GOLD	UNKNOWN; PAST PRODUCER	666002 E 3536178 N	No Data

53 California District (3)

General Features:
Base metal sulfides and carbonates in Paleozoic limestone units; in veins along shear zones associated with granitic intrusions; mineralization associated with Apache Pass fault zone.

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
BERNOUDY MINE	PB CU AG ZN AU	Production: small	669039 E 3536721 N	REPLACEMENT; IRREGULAR; Deposit size: S;
BLACKWELL	LEAD, SILVER, COPPER	UNKNOWN; PAST PRODUCER	667000 E 3536194 N	No Data
CARTER CLAIM	TUNGSTEN	PROSPECT	667499 E 3536173 N	No Data
CHIRICAHUA MINE	CU PB AG ZN W	Production: small	666673 E 3536929 N	VEIN/SHEAR ZONE; IRREGULAR; Deposit size: S; ORE IN FAULTED AND SHEARED, SHALY AND SILICATED LIMESTONE INTRUDED BY GRANITIC ROCK.; Minerals present: COPPER, LEAD, SILVER (BASE METAL CARBONATES AND SULFIDES) , CHALCOPYRITE, GALENA; ZINC, FINE-GRAINED DISSEMINATED SCHEELITE;
COLUMBIA MINE	PB AG CU ZN W BI	Production: small	667591 E 3535712 N	CONTACT METAMORPHIC; VEINS; Deposit size: S; ORE IN SHEARED TACTITE AND ALONG FAULTS AND FRACTURES IN SILICATED LIMESTONE.; Minerals present: LEAD, COPPER, AND ZINC SULFIDES AND CARBONATES. SCHEELITE; SILVER, BISMUTH; SILVER, BISMUTH; EPIDOTE, GARNET, TREMOLITE;
GALEYVILLE MINES	PB AG CU W	Production: small	668235 E 3536185 N	CONTACT METAMORPHIC; IRREGULAR; Deposit size: S; ORE ALSO IN IRREGULAR REPLACEMENT BODIES.;
LEADVILLE GROUP	PB AG CU W	Production: small	667311 E 3534844 N	VEIN/SHEAR ZONE; IRREGULAR; Deposit size: S; A VEIN 18 IN WIDE HAS STRIKE AND DIP GIVEN. A PIPE 1.5 TO 4 FT WIDE, 6 TO 8 FT HIGH WITH A 45 DEP IS ALSO BEING WORKED; Minerals present: ANGLESITE, CERUSSITE, GALENA, SCHEELITE;
MARTIN PATENTED CLAIM	LEAD	PROSPECT	668998 E 3534503 N	No Data
SILVER HILL MINE GROUP; (BLACK BEN, MANILA, HALL MINE GROUP, ANANAIS)	CU PB AG AU W	Production: small	667759 E 3536423 N	CONTACT METAMORPHISM; IRREGULAR; Deposit size: S; PYROMETAMORPHOSED TACTITE ZONES IN SHEARED, FAULTED, AND SILICATED LIMESTONE. SCHEELITE BEARING ZONE STRIKES N50W, DIP 70SW; Minerals present: SCHEELITE, UNKNOWN;

54 King of Lead area

General Features:
lead, zinc, silver; fluorite and silica also listed as commodities; in Paleozoic strata, associated with Tertiary granitic rocks

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
KING OF LEAD	PB AG ZN CU AU	Production: small	659331 E 3546300 N	VEIN, DISSEMINATED; Deposit size: S; MINERALIZED FAULTS AND DISSEMINATIONS IN PERMIAN LIMESTONE INTRUDED BY TERTIARY DIKES.; Minerals present: GALENA, SPHALERITE, ARGENTITE, SECONDARY COPPER AND LEAD MINERALS; PYRITE;
KING OF LEAD MINE; (SHEBA, WINDES)	AG PB AU CU ZN	Production: small	659672 E 3546274 N	SHEAR ZONE/DISSEMINATED; Deposit size: S; BUNCHES AND STRINGERS OF HIGH GRADE GALENA RICH ORE, AND DISSENENATED ORE; Minerals present: GALENA, SPHALERITE, ARGENTITE;

56 Ash Peak District Ag

General Features:
Silver, lead sulfides with pyrite in calcite-chalcedonic quartz veins in Tertiary volcanic rocks

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
ASH PEAK DISTRICT	AG AU CU PB ZN MN	Production: small	663917 E 3626776 N	VEIN; Minerals present: ARGENTITE, PYRITE, RHODOCROSITE, GALENA, SILICA FLUX ORE; CALCITE, CHALCEDONIC QUARTZ;
ASH PEAK MINES; (COMMERCE AND SHAMROCK MINE; SHAMROCK MINE; HARDY MINE; ASH PEAK EXTENSION; GOLDFIELD EXTENSION)	AG AU SIL CU PB MN	Production: exists, quantity unknown	664094 E 3625731 N	VEIN/SHEAR ZONE; TABULAR AND NARROW; LENSE; Deposit size: S; LOCATED ON 3 PARALLEL VEINS WHICH STAND ALMOST VERTICALLY; ORE SHOOTS ARE FAIRLY CONTINUOUS AND CONSISTENT IN GRADE.; Minerals present: ARGENTITE, PYRITE, GALENA, SILICA FLUX; CALCITE; RHODOCHROSITE; CHALCEDONIC QUARTZ;
COMPENSATION	AG AU	Production: none	662872 E 3627065 N	QUARTZ FISSURE VEIN; Deposit size: S; Minerals present: ARGENTITE;

57 Ash Peak District Mn (1)

General Features:
Manganese oxides with calcite, in veins and shears in Tv

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.

57 Ash Peak District Mn (1)

General Features:
Manganese oxides with calcite, in veins and shears in Tv

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
A-1 CLAIMS; (PARADISE AND SPW CLAIMS; A-1 GROUP; MULLER MANGANESE; DENTON MINE GROUP)	MN	Production: small	664611 E 3622782 N	VEIN/SHEAR ZONE; SEAMS AND BUNCHES; Deposit size: S; PROPERTY COMPRISES 4 UNPATENTED CLAIMS (2 CLAIMS OF A-1 GROUP; 2 UNPATENTED CLAIMS OF PARADIST AND SPW, LOCATED ON THE SOUTHERN AND WESTERN SIDES OF THE A-1 GROUP); MINERALIZED SECTION OF THE FRACTURE ZONE RANGES FROM 6 TO 8 FT WIDE AND IS TRACEABLE ON; Minerals present: PSILOMELANE, PYROLUSITE; CALCITE GANGUE;
BLACK BEAUTY GROUP	MN	Production: small	664891 E 3624573 N	VEIN/SHEAR ZONE; SEAMS AND IRREGULAR VEINLETS; Deposit size: S; PROPERTY COMPRISES 2 UNPATENTED CLAIMS; MORE HIGHLY MINERALIZED PART OF THE FRACTURE IS EXPOSED ABOUT 80 FT ALONG THE STRIKE; Minerals present: PSILOMELANE; GANGUE COMPOSED OF BRECCIATED FRAGMENTS OF WALL ROCK, CALCITE, AND QUARTZ;
CROW CLAIMS	MN	Production: small	664797 E 3624016 N	VEIN/SHEAR ZONE; LENTICULAR/IRREGULAR BUNCHES; Deposit size: S; PROPERTY COMPRISES 4 CONTIGUOUS UNPATENTED CLAIMS; DEPOSITS CONTAINED IN 2 FRACTURES, OF WHICH THE NORTHERNMOST RANGES IN WIDTH FROM 2 TO 3 FT AND IS EXPOSED ON THE SURFACE FOR ABOUT 300 FT (STRIKES DUE NORTH AND DIPS STEEPLY TO WEST), AND THE SOUTHERN; Minerals present: PSILOMELANE; GANGUE CONSISTS PRIMARILY OF UNMINERALIZED FRAGMENTS OF VOLCANIC ROCK AND CALCITE;
PARADISE AND SPW CLAIMS	MANGANESE	SURFACE; EXP PROSPECT	665496 E 3622580 N	No Data
WILBA CLAIMS; (PBC CLAIMS, BLACK KING GROUP)	MN AG AU	Production: small	666142 E 3624286 N	VEIN/SHEAR ZONE; LENSES; PODS; IRREGULAR; Deposit size: S; PROPERTY COMPRISES 2 UNPATENTED CLAIMS; DEPOSITS WITHIN THE ZONE ARE A FEW INCHES TO SEVERAL FT WIDE; FRACTURE ZONE FREQUENTLY OUTCROPS FOR MORE THAN 2000 FT ALONG THE STRIKE; Minerals present: MANGANIFEROUS CALCITE, PSILOMELANE, PYROLUSITE; CALCITE AND QUARTZ GANGUE;

58 Ash Peak District Mn (2)

General Features:
Manganese oxides with calcite in Tv; some Tungsten reported present (MRDS)

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
DENTON MINE; (BLACK BUTTE MINE; THURSTON AND HARDY MINE; GODFREY MINE; SANDERS MANGANESE MINE)	MN GYP	Production: small	663681 E 3628619 N	VEIN/SHEAR ZONE; LENSES, STRINGERS; Deposit size: S; TWO SHEAR ZONES, 1500 FT APART, WHICH CUT THE BASALT AND PERHAPS THE RHYOLITE, BUT NO ORE HAS BEEN FOUND IN THE RHYOLITE. NORTH SHEAR ZONE, N70W, DIPS STEEPLY SOUTH, IS 1500 FT LONG, THE SOUTH SHEAR ZONE STRIKES N55-80W AND DIPS 70 NE. THE MINERALIZED; Minerals present: PSILOMELANE, PYROLUSITE, MANGANIFEROUS CALCITE; LIMONITE, CALCITE, GYPSUM;
THURSTON-HARDY	W MN	Production: none	663887 E 3628623 N	Minerals present: TUNGSTEN-BEARING MANGANESE OXIDE MINERAL;

60 Fisher Hills District

General Features:
Manganese oxides with calcite, in shear zones in Precambrian granite along range front.

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
BLACK ROCK GROUP; (VICKERS)	MN	Production: small	628482 E 3589599 N	SHEAR ZONE; LENTICULAR STRINGERS; Deposit size: S; Minerals present: PSILOMELANE, PYROLUSITE; CALCITE AND IRON OXIDES AS GANGUE.;
JUNCTION AND SHAMROCK CLAIMS; (GRAHAM)	MN	Production: none	626807 E 3593790 N	VEIN/FRACTURE FILLINGS; SEAMS; Deposit size: S; Minerals present: PSILOMELANE;
VICKERS	MANGANESE	SURF-UNDERG; PAST PRODUCER	628616 E 3591017 N	No Data

61 Teviston District in TKg

General Features:
Base metal sulfides in veins, associated with Laramide granitic rocks.

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
COMSTOCK LODE MINE; (COHEN, ADAMS, TYRONE MNG CO)	W PB AG	Production: small	624998 E 3573354 N	VEIN, PLACER; VEINS, VEINLETS; Deposit size: S; QUARTZ VEIN AND VEINLETS, TRENDING EAST AND DIPPING SOUTH IN THE QUARTZ DIORITE-MONZONITE COWBOY PLUTON (59 M.Y.). SOME TUNGSTEN PLACERS.; Minerals present: SCHEELITE, GALENA; QUARTZ, FE OXIDES;

61 Teviston District in TKg

General Features:
Base metal sulfides in veins, associated with Laramide granitic rocks.

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
VALLEY VIEW CLAIMS	U	Production: none	624771 E 3572612 N	VEIN, DISSEMINATED; Deposit size: S; Mild radioactivity was reported in altered gray rock containing pods of dolomite and surrounded by granite at the Valley View claims.; Minerals present: UNKNOWN URANIUM MINERALS, Pyrite, chalcopyrite, galena, magnetite; QUARTZ;

62 Teviston District in Xms

General Features:
Base metal sulfides in veins in Precambrian schist

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
COWBOY MINE	AU AG CU PB	Production: small	620804 E 3571980 N	VEIN/SHEAR ZONE; IRREGULAR; Deposit size: S; ORE IN IRREGULAR QUARTZ VEINS IN SCHIST.; Minerals present: BASE METAL SULFIDES; QUARTZ;
GOLDEN EAGLE MINE; (CARLETON)	PB CU AG AU	Production: small	620651 E 3573795 N	VEINS/SHEAR ZONE; IRREGULAR; Deposit size: S; ORE IN IRREGULAR QUARTZ VEINS IN SCHIST.; Minerals present: LEAD AND COPPER SULFIDES, GOLD, SILVER;

64 Silver Camp District

General Features:
Copper, gold; associated with Laramide volcanic and intrusive rocks

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
KIT CARSON PROSPECT	COPPER, GOLD, LEAD	PROSPECT	629001 E 3567183 N	No Data
MINERAL PARK MINES; (GOLD SLOPE, MARIA)	AU CU AG	Production: small	629552 E 3567128 N	VEIN; IRREGULAR; Deposit size: S; ORE IN ALTERED LARAMIDE VOLCANICS INTRUDED BY LARAMIDE PLUG.; Minerals present: GOLD, COPPER OXIDES, PYRITE, CHALCOPYRITE; QUARTZ, HEMATITE, TALC;

64 Silver Camp District

General Features:
Copper, gold; associated with Laramide volcanic and intrusive rocks

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
SILVER CAMP MINE; (MCGINTY, GOLDEN BELLE, ELDORADO, PARENT , QUESTION)	CU AG AU	Production: small	627586 E 3567566 N	VEIN/SHEAR ZONE , REPLACEMENT, CONTACT METASOMATIC; VEINS; Deposit size: S; ORE IN A FAULT BLOCK OF PYROMETA MORPHOSED LIMESTONES CUT BY DIABASE DIKES AND WITH SILVER MINERALIZATION AND SOME GOLD IN A QUARTZ-PYRITE VEIN ALONG A FAULT FISSURE AND AT DIABASE AND RHYOLITE DIKE INTERSECTIONS.; Minerals present: COPPER OXIDES CHALCOCITE, CHALCOPYRITE, SILVER, GOLD; MAGNETITE, GARNET , PYRITE, QUARTZ;

65 Mascot District (2)

General Features:
Pipe-like breccia bodies in Cretaceous volcanic rocks and Precambrian granitic rocks; sulfides of iron, copper, and lead, with minor gold, tungsten, and beryllium

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
APACHE PROSPECT	GOLD	PROSPECT	632387 E 3568458 N	No Data
BUCKEYE APACHE MINES; (BUCKEYE, SUNRISE, APACHE, FAIRVIEW GROUP)	AU AG PB	Production: small	633310 E 3567978 N	VEIN; Deposit size: S; ORE IN QUARTZ VEINS ALONG FISSURE ZONES IN GRANITIC ROCK. VEINS ARE FROM 3 TO 15 FT WIDE, ALTHOUGH 3 FT WIDTH IS MOST USUAL. VEINS ARE MINERALIZED FOR 1000 TO 2000 FT IN LENGTH; Minerals present: AURIFEROUS PYRITE, ARGENTIFEROUS GALENA; QUARTZ, HEMATITE;
ELMA MINE; (TOUT GROUP, CENTRAL)	CU AG AU MO FE	Production: small	632325 E 3566949 N	VEIN/SHEAR ZONE; IRREGULAR, PIPELIKE; Deposit size: S; Minerals present: CHALCOPYRITE, MAGNETITE; PYRITE;
GOLD FARM CLAIM	AU PB	Production: exists, quantity unknown	631505 E 3567616 N	VEIN; Deposit size: S; QUARTZ VEINS (N40W AND N10E) IN PRECAMBRIAN GRANITE NEAR TERTIARY DIKE.; Minerals present: PYRITE, GALENA; QUARTZ;
HOWELL MINE	AU PB	Production: small	635311 E 3567050 N	VEIN; Deposit size: S; VEIN IN PRECAMBRIAN GRANITE; Minerals present: PYRITE, GALENA; CHLORITE;
ROUGH MOUNTAIN QUARTZ VEIN	QTZ AU AG CU	Production: none	635923 E 3568475 N	QUARTZ VEIN; Deposit size: S; THE VEIN IS FLAT-LYING AND EXPOSED NEAR THE TOP OF THE MOUNTAIN.; Minerals present: QUARTZ;
SUNRISE PROSPECT	AU	Production: none	634243 E 3568729 N	VEIN; Deposit size: S; QUARTZ VEIN IN PRECAMBRIAN GRANITE; Minerals present: GOLD; QUARTZ;

66 Mascot District (1)

General Features:
Pipe-like breccia bodies in Cretaceous volcanic and sedimentary rocks, associated with Laramide intrusions; sulfides of iron, copper, and lead, with minor gold, tungsten, and beryllium

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
BEAN MANGANESE PROSPECT	MANGANESE, GOLD	PROSPECT	635992 E 3563178 N	No Data
HOWARD MINE GROUP; (ADRIATIC, DOUBLE SPRINGS ATLANTIC, PACIFIC)	AU PB AG CU MN	Production: small	635256 E 3563353 N	VEIN, SHEAR ZONE; STRINGERS; Deposit size: S; LENSING QUARTZ STRINGERS WITH SULFIDES IN SHEAR ZONES IN CRETACEOUS METAMORPHIC ROCKS.; Minerals present: GALENA, BASE METAL SULFIDES; QUARTZ;
WESTERN MINING COMPANY	COPPER, SILVER, GOLD	UNKNOWN; PAST PRODUCER	633988 E 3564198 N	No Data

67 Apache Pass district, Uranium

General Features:
Radioactive flourite veins in Precambrian granite

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
TYPEST GROUP	URANIUM	SURFACE; UNKNOWN	640635 E 3560808 N	No Data
URANIUM HILL CLAIMS	URANIUM	MINERAL LOC; UNKNOWN	640635 E 3560808 N	No Data

68 Apache Pass district

General Features:
Base and precious metal quartz veins; Tungsten accessory; in Precambrian rocks

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
AUSTIN MINE; (INCLUDES: AUSTIN, CHANCE NO. 7 AND NO. 8 CLAIMS)	W AU PB ZN CU	Production: small	639428 E 3563102 N	VEIN; Deposit size: S; QUARTZ VEIN (E-W) AND VEINLETS ALONG FAULT SEPARATING PALEOZOIC LIMESTONES ON SOUTH, FROM PRECAMBRIAN SCHISTS. MINERALIZATION CONCENTRATED AT LIMESTONE-QUARTZ VEIN CONTACT.; Minerals present: SCHEELITE, GALENA, SPHALERITE, CHALCOPYRITE, GOLD; QUARTZ, PYRITE;
HILLSIDE MINE	AU AG	Production: small	645840 E 3561036 N	VEIN; VEINS; Deposit size: S; SPOTTY GOLD AND SILVER VALUES IN QUARTZ VEINS IN SCHIST.; Minerals present: GOLD, SILVER, BASE METAL SULFIDES (?); QUARTZ;

68 Apache Pass district

General Features:
Base and precious metal quartz veins; Tungsten accessory; in Precambrian rocks

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
RAM CLAIMS	W	Production: none	642549 E 3564377 N	VEIN, REPLACEMENT; LENSE; Deposit size: S; QUARTZ LENSES ALONG FOLIATION (N62W,60-70NE) IN PRECAMBRIAN SCHIST CUT BY FELSITE DIKES.; Minerals present: SCHEELITE; QUARTZ, EPIDOTE;
ROUGH NO 1 AND 2	TUNGSTEN	PROSPECT	639002 E 3565189 N	No Data
SILVER BELL CLAIMS	GOLD, SILVER, TUNGSTEN	UNDERGROUND; DEVEL DEPOSIT	640596 E 3563580 N	No Data
SILVER STRIKE MINE; (DEVONIAN GROUP, CAWOOD, TENNESSEE SHAFT)	PB AG ZN CU AU W	Production: small	642088 E 3561629 N	VEIN; IRREGULAR; Deposit size: S; AVERAGE VEIN WIDTH IS 5 FT. FISSURE VEIN (N62E,80SE) AND ASSOCIATED QUARTZ MASSES, CONTAINING SPOTTY SULFIDES AND SCHEELITE, CUTTING PALEOZOIC AND CRETACEOUS SEDIMENTARY ROCKS NEAR CRETACEOUS OR TERTIARY GRANITE PLUTONS.; Minerals present: ARGENTIFEROUS GALENA, CHALCOPYRITE, SPHALERITE, SCHEELITE; EPIDOTE, QUARTZ , PYRITE;

75 Subsurface gypsum

General Features:
Gypsum occurances in basin fill

Site Name (and synonyms)	Commodities	Status	UTM coordinates.	Description.
NAME UNKNOWN	GYPSUM	WELL; PRODUCER	640987 E 3576799 N	No Data
NAME UNKNOWN	GYPSUM	WELL; PRODUCER	641997 E 3577582 N	No Data
NAME UNKNOWN	GYPSUM	WELL; PRODUCER	642544 E 3577590 N	No Data

Table 2. Isolated mineralized sites

Individual sites included here are from the USGS Mineral Resource Data System (1993 update). These sites fall outside of clusters that define the mineralized areas in Table 1, and represent isolated mineralized locations. Zones of weak mineralization probably surround some of these sites. The site locations have only been checked to verify that the sites are within rock units consistent with data available describing the mineralization.

Site ID	Site Name (and synonyms)	Commodities	Status	UTM coordinates	Site Descriptive information.
101	MULE SHOE BEND ERYTHRITE OCCURANCE	COBALT	MINERAL LOC; RAW PROSPECT	545894 E 3740399 N	No data
102	SENECA IRON	IRON	PROSPECT	543466 E 3737153 N	No data
116	MONTEZUMA	COAL	UNDERGROUND; PAST PRODUCER	548029 E 3699077 N	No data
120	SILVER BELL GROUP M S 3698	COPPER	SURF-UNDERG; PAST PRODUCER	531555 E 3682748 N	No data
121	SEBASTIAN-JOHNSON CLAIMS	SILVER, COPPER	PROSPECT	524446 E 3681496 N	No data
122	SAN CARLOS INDIAN RESERVATION	MANGANESE	SURFACE; DEVEL DEPOSIT	560204 E 3684701 N	No data
123	SALT CREEK	MANGANESE	PROSPECT	572004 E 3683795 N	No data
124	GREENLEE COUNTY MN DEPOSITS	MANGANESE	SURF-UNDERG; PAST PRODUCER	661992 E 3684879 N	No data
126	LOWER COALFIELD	COAL	UNDERGROUND; PAST PRODUCER	538605 E 3659369 N	No data
127	HINTON MINE	IRON	UNDERGROUND; PAST PRODUCER	568084 E 3663564 N	No data
128	HWR CLAIM GROUP	COPPER, ZINC, LEAD, MOLYBDENUM	PROSPECT	599044 E 3667648 N	No data
132	OREGON GROUP	COPPER	SURFACE; UNKNOWN	568516 E 3661164 N	No data
137	INDEPENDENCE	SILVER, COPPER, SILICON	UNDERGROUND; UNKNOWN	660957 E 3673956 N	No data
139	DEER CREEK COAL FIELD	COAL	UNDERGROUND; PAST PRODUCER	550058 E 3655787 N	No data

Site ID	Site Name (and synonyms)	Commodities	Status	UTM coordinates	Site Descriptive information.
142	MIDDLE COAL FIELD	COAL	SURFACE; PAST PRODUCER	543451 E 3654277 N	No data
143	ARKANSAS LEAD QUEEN	LEAD, SAND & GRAVEL, COPPER, COBALT	SURFACE; UNKNOWN	569883 E 3658402 N	No data
144	SAN CARLOS IRON	IRON, GOLD, SILVER, COPPER, ZINC	PROSPECT	568977 E 3658150 N	No data
147	UPPER COAL FIELD	COAL	SURF-UNDERG; PAST PRODUCER	551803 E 3654657 N	No data
148	CLAIMS M S 4625	GOLD	PROSPECT	661359 E 3671559 N	No data
159	COPPER CRANK	COPPER	Production:	569404 E 3652979 N	No data
161	PARROT GROUP	COPPER, MOLYBDENUM	PROSPECT	661693 E 3666943 N	No data
164	BRUSHY CLAIMS	URANIUM	SURFACE; EXP PROSPECT	574286 E 3652399 N	No data
166	DOS AMIGOS	LEAD, ZINC, SILVER, GOLD	UNDERGROUND; PAST PRODUCER	570063 E 3651537 N	No data
173	BLUFF NO 1 CLAIM	IRON	SURFACE; EXP PROSPECT	577200 E 3648048 N	No data
178	LEROY MINE GROUP	LEAD, ZINC, SILVER, COPPER, GOLD	UNDERGROUND; PAST PRODUCER	633987 E 3651614 N	No data
194	MOSS CLAIMS	URANIUM	SURFACE; EXP PROSPECT	574564 E 3632721 N	No data
199	BLACK HAWK PROSPECT	MANGANESE	SURF-UNDERG; PAST PRODUCER	577648 E 3627417 N	No data
201	BARTON PROPERTY	TUNGSTEN	PROSPECT	613573 E 3618770 N	No data
202	CRUNK GROUP	URANIUM	PROSPECT	640347 E 3622316 N	No data
203	LAST CHANCE CLAIMS	URANIUM	PROSPECT	640594 E 3621426 N	No data
205	HOT ROCK CLAIMS	IRON	SURFACE; EXP PROSPECT	617976 E 3616327 N	No data
206	SUSPENSE PROSPECT	COPPER	PROSPECT	617909 E 3615371 N	No data

Site ID	Site Name (and synonyms)	Commodities	Status	UTM coordinates	Site Descriptive information.
208	HIGH NOON GROUP	COPPER, COPPER	PROSPECT	618116 E 3613310 N	No data
209	KING TUT	URANIUM, THORIUM, RARE EARTH	SURFACE; EXP PROSPECT	618081 E 3609768 N	No data
210	IRON HILL LODE #1	COPPER	PROSPECT	616091 E 3605956 N	No data
211	S AND W CLAIM	URANIUM	SURFACE; EXP PROSPECT	621274 E 3606510 N	No data
212	STONY PEAK GROUP	URANIUM	SURFACE; PAST PRODUCER	608476 E 3603684 N	No data
213	BREWER TUNGSTEN GROUP	TUNGSTEN, GOLD, COPPER	SURFACE; EXP PROSPECT	613449 E 3602107 N	No data
214	CRYSTAL CLAIMS	URANIUM	PROSPECT	620550 E 3599479 N	No data
215	TWO CAR GOLONDRINA	COPPER, URANIUM, LEAD	SURF-UNDERG; PAST PRODUCER	621059 E 3596190 N	No data
216	W.A.RANCH CLAIMS	TIN, NICKEL, THORIUM, SILVER	PROSPECT	622394 E 3595806 N	No data
217	BUNNY GROUP	MANGANESE, GOLD, SILVER	SURF-UNDERG; PAST PRODUCER	619640 E 3592815 N	No data
218	VENTURE GROUP	COPPER, SILVER, VANADIUM, WATER CONTENT	PROSPECT	618712 E 3591635 N	No data
220	TENNESSEE AND ARIZONA PROPERTY	GOLD, SILVER	PROSPECT	621136 E 3574755 N	No data
222	HAZELWOOD MINES	GOLD	PROSPECT	618477 E 3573892 N	No data
225	NAME UNKNOWN	GYPSUM	WELL; PRODUCER	647594 E 3577540 N	No data
242	BLACK QUEEN MINE	COPPER, LEAD	UNDERGROUND; EXP PROSPECT	671009 E 3535182 N	No data
246	GRACE MINE; (GRACE 1-7)	ZN PB CU AG	Production: small	678159 E 3527203 N	FAULTS AND FRACTURE ZONES; Deposit size: S; Minerals present: GALENA, SPHALERITE, LIMONITE, CHALCOPYRITE;
259	OXBOW MINE	CU PB AG	Production: small	668515 E 3538130 N	SHEAR ZONE; Deposit size: S; . NODULES OF COPPER ORE IN FAULT ZONE.;

Site ID	Site Name (and synonyms)	Commodities	Status	UTM coordinates	Site Descriptive information.
276	NAME UNKNOWN	CU	Production: small	654287 E 3550072 N	VEIN; Deposit size: S; QUARTZ VEIN IN SHEAR ZONE (N5W,65NE) IN LATE CRETACEOUS OR EARLY TERTIARY GRANITE.; Minerals present: SECONDARY COPPER MINERALS; QUARTZ, PYRITE;
277	CLAIR GROUP MINES; (EMPIRE STATE MINE)	PB CU AG AU	Production: small	656667 E 3550663 N	VEIN/SHEAR ZONE; VEIN; Deposit size: S; ORE IN SHEAR ZONE IN FAULTED LIMESTONE INTRUDED BY DIKES AND PLUGS.; Minerals present: GALENA, CHALCOPYRITE; GOLD, SILVER;
278	WILLIE ROSE MINE	CU AG AU ZN	Production: small	664503 E 3552450 N	CONTACT METAMORPHIC; Deposit size: S; ORE IN CONTACT ZONE BETWEEN LIMESTONE AND INTRUSIVE RHYOLITE. MAIN ORE SHOOT REPORTED TO BE 200 FT WIDE; Minerals present: CHALCOCITE, BORNITE, SPHALERITE, SECONDARY COPPER MINERALS, SILVER, GOLD;
279	RABBIT CLAIM GROUP; (DUNN SPRINGS)	CU AG	Production: small	663375 E 3555697 N	VEIN/SHEAR ZONE; IRREGULAR; Deposit size: S; SPOTTY COPPER OXIDE MINERALS IN PERMIAN LIMESTONE AND CRETACEOUS QUARTZITE CUT BY TERTIARY DIKES.; Minerals present: SECONDARY COPPER MINERALS;
280	APACHE PASS MINES; (GOLD BELLE, HELEN DONE, QUILLAN GROUPS, LULA GOLD NUGGET, NEW YEAR)	AU AG PB CU ZN	Production: small	644498 E 3557936 N	VEIN; IRREGULAR; Deposit size: S; ORE IN IRREGULAR QUARTZ-FILLED FISSURE VEINS CUTTING GRANITIC ROCK.; Minerals present: BASE METAL SULFIDES; QUARTZ, PYRITE;
294	HOLLYHAWK	AU PB AG	Production: small	622841 E 3570248 N	PRODUCTION IS FROM NEAR SURFACE HIGH GRADE POCKETS.;
295	ROUGH CLAIMS	W	Production: none	639054 E 3571104 N	VEIN, REPLACEMENT; Deposit size: S; NARROW STREAKS AND DISSEMINATIONS IN PRECAMBRIAN AMPHIBOLE SCHIST.; Minerals present: SCHEELITE;
296	UNNAMED OCCURRENCE	GYP	Production: none	661258 E 3571836 N	SEDIMENTARY; 87 TO 200 FT CLAY AND GYPSUM; 200 TO 240 FT GYPSUM.; Minerals present: GYPSUM;
300	YEAKLEY MINE	PB CU AG	Production: small	627114 E 3573566 N	VEIN; Deposit size: S;
302	BLACK FACE	MN	Production: small	683406 E 3577297 N	BRECCIA ZONE; Deposit size: S; Minerals present: UNKNOWN MANGANESE;
304	BUSH CLAIM	MN W	Production: none	620603 E 3591102 N	VEIN/SHEAR ZONE; Deposit size: S; Minerals present: PSILOMELANE, TUNGSTEN;
306	GOLONDRINA PROSPECT	U CU PB	Production: none	617866 E 3594489 N	VEIN/SHEAR ZONE; CAVITIES, FRACTURE FILLINGS; Deposit size: S; Minerals present: PYROMORPHITE, LEAD CHLOROPHOSPHATE; CHALCOPYRITE, CHALCOCITE, MALACHITE;

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307	STONY PEAK PROSPECT; (STONEY PEAK CLAIM NO. 6)	U F	Production: small	613188 E 3602504 N	SHEAR ZONE; IRREGULAR STRINGERS; Deposit size: S; Minerals present: AUTUNITE, URANOPHANE;
308	LAST CHANCE PROSPECT	U	Production: none	640943 E 3604244 N	SEDIMENTARY, VEIN; Deposit size: S; SECONDARY URANIUM MINERALS COATING FRACTURES AND BEDDING PLANES IN CLAY, TUFF, AND OPALITE BEDS.; Minerals present: CARNOTITE;
315	GOLD BUG TUNNEL (22)	CU AU	Production: none	593248 E 3623210 N	VEIN; Deposit size: S; Minerals present: CHALCOPYRITE;
323	BLACK HAWK GROUP	MN	Production: small	580861 E 3628983 N	VEIN/SHEAR ZONE; IRREGULAR BANDS, STRINGERS; Deposit size: S; Minerals present: PSILOMELANE; PYROLUSITE; QUARTZ AND CALCITE AS GANGUE;
324	SOL MINE	CU	Production: none	636284 E 3630361 N	SULFIDE SYSTEM; Deposit size: S; Minerals present: CHALCOPYRITE;
325	9	CU PB AU AG	Production: none	580114 E 3630917 N	SMALL VEINS; Deposit size: S; Minerals present: GALENA, CHALCOPYRITE; QTZ, PY, CALCITE;
326	8	CU PB AU AG	Production: undetermined	583417 E 3631130 N	SMALL VEINS; Deposit size: S; Minerals present: GALENA, CHALCOPYRITE; QTZ, PY, CALCITE;
330	THURSTON AND HARDY MINES; (DENTON CLAIMS)	MN BA	Production: small	663734 E 3637862 N	SHEAR ZONE; LENSES IN SHEAR ZONE.; Minerals present: PSILOMELANE; PYROLUSITE, BARITE; PSILOMELANE; PYROLUSITE;
333	CRYSTAL CAVE; (NATIONAL GYPSUM CO.)	GYP	Production: exists, quantity unknown	529049 E 3639690 N	LACUSTRINE SEDIMENTARY, EVAPORITE; BEDDED; Deposit size: S; IN THIS AREA, A ZONE AT LEAST 100 FT THICK CONTAINS THICK (1-8 FT), MASSIVE, WHITE TO GRAYSIH WHITE, GRANULAR TO MICROCRYSTALLINE, FLAT-LYING GYPSUM BEDS. THE GYPSUM BEDS ARE SEPARATED BY THIN LAYERS OF CALCAREOUS AND GYPSIFEROUS SHALE AND SILT.; Minerals present: GYPSUM;
334	WAMPOO MINE	AG AU CU PB	Production: small	681819 E 3642924 N	VEIN/SHEAR ZONE; Deposit size: S;
339	EMPIRE MOUNTAINS DEPOSIT	GYP	Production: none	533965 E 3643585 N	BEDDED, MARINE EVAPORITE; IRREGULAR, LENSES; Deposit size: L; 3 ZONES: ZONE 1 IS 20-30 FT THICK, ZONE 2 IS 275 FT BELOW ZONE 1 & IS 50-60 FT THICK, AND ZONE 3 IS 395 FT BELOW MIDDLE BED AND IS ABOUT 15 FT THICK.; Minerals present: GYPSUM;
340	FISHER PROSPECT	CU	Production: none	572011 E 3644436 N	DISSEMINATED; IRREGULAR; Deposit size: S; Minerals present: CHALCOPYRITE, CHRYSOCOLLA, CHALCOCITE, COVELLITE; GANGUE, BESIDES ORIGINAL GRANITE, EPIDOTE, TITANITE, APATITE, AND CHLORITE;

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341	MT. JACKSON MINE; (RHODES SPAR)	F CU PB AG	Production: small	581593 E 3644634 N	VEINS; IRREGULAR, TABULAR; Deposit size: S; HYDROTHERMAL VEINS, OPEN SPACE FILLING. LATE TERT. VEINS ASSOC. WITH LATE TERT. FAULTING.; Minerals present: FLUORITE, MALACHITE, AZURITE, CHRYSOCOLLA; BARITE, PYRITE, CHALCEDONY;
359	RED ROCK CLAIMS	MN CU	Production: none	660194 E 3657492 N	SHEAR ZONE; IRREGULAR; PODS; Deposit size: S; PROPERTY CONSISTS OF 3 UNPATENTED CLAIMS; Minerals present: PYROLUSITE; PSILOMELANE; WAD-TYPE OXIDES; UNKNOWN;
383	BITTER SPRING PROSPECT	AU AG CU FE	Production: none	564235 E 3661229 N	REPLACEMENT; IRREGULAR; Deposit size: S; QUARTZ-PYRITE-MAGNETITE ZONE OF MINERALIZATION 5 TO 10 FT WIDE, MAGNETITE FLOAT PRESENT FOR A DISTANCE OF 100 TO 150 FT ALONG STRIKE.; Minerals present: MAGNETITE, PYRITE, MALACHITE;
418	COPPER KING OR WYLOMENE	CU FE	Production: none	535814 E 3672355 N	VEIN; LINEAR; Deposit size: S; Minerals present: AZURITE, MALACHITE, CHALCOCITE, SPECULAR HEMATITE;
422	TRIBAL CLAIMS	AU AG CU	Production: none	584862 E 3675153 N	VEIN; IRREGULAR; LINEAR; Deposit size: S; Minerals present: VEIN GANGUE OF QUARTZ, SPECULAR HEMATITE AND MALACHITE STAIN.;
423	LIMESTONE RIDGE PROSPECT; (V. O. RANCH)	FE	Production: none	523700 E 3678385 N	REPLACEMENT; IRREGULAR; Deposit size: S; Minerals present: OOLITIC HEMATITE, CHAMOSITE;
426	UNNAMED PROSPECT	FE	Production: none	541168 E 3684664 N	VEIN; LINEAR; Deposit size: S; Minerals present: PYRITE;
427	METATE MANGANESE LEASE; (NEAL ?)	MN CU	Production: small	565005 E 3685687 N	SHEAR ZONE; SEAMS, STRINGERS, IRREGULAR BUNCHES; Deposit size: S; Minerals present: PSILOMELANE, PYROLUSITE, WAD; CALCITE AND IRON OXIDE AS GANGUE;
428	SAN CARLOS DEPOSIT	GYP	Production: small	546371 E 3688906 N	LACUSTRINE SEDIMENTARY; IN GENERAL BEDS DIP FROM 15 TO 25 DEGREES SW AND STRIKE NW; HOWEVER, AT THE NORTHWEST END ON THE OUTCROP THE BEDS ARE NEARLY FLAT, OR HAVE A SLIGHT NORTHWARD DIP. THERE ARE 3-5 GYPSUM BEDS, 2-10 FT THICK, IN 100-150 FT THICK EXPOSURES OF GYPSUM, MUDSTO; Minerals present: GYPSUM; CLAY;
429	IRON CLAIMS (MINE)	FE	Production: none	545204 E 3689640 N	REPLACEMENT; IRREGULAR; Deposit size: S; Minerals present: Iron OXIDE Minerals;
430	BLUEBIRD GROUP	CU	Production: none	523252 E 3693813 N	DISSEMINATED BLANKET AND VEIN ZONES; Minerals present: CHALCOCITE, COVELLITE;
431	UNNAMED PROSPECT	CU	Production: none	550807 E 3696597 N	SHEAR ZONE; LINEAR; Deposit size: S; Minerals present: MALACHITE;

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432	IRELAND MINE; (SILVER STAR LEAD PROBERTY, IRELAND SHAFT)	PB	Production: small	522603 E 3697137 N	VEIN/SHEAR ZONE; LENSES AND SHOOTS; Deposit size: S; ORE CONFINED TO A FRACTURE IN QUARTZITE; Minerals present: CERUSSITE, ANGLESITE, GALENA; QUARTZ, CHERT, CALCITE;
458	IRENE VEIN, OLD DOUGHBOY	PB ZN	Production: small	521674 E 3704895 N	MINERALIZED FAULT; Minerals present: SPHALERITE, GALENA, HEMIMORPHITE, CERUSSITE, SMITHSONITE, WILLEMITE;
459	KING HECLA GROUP	PB ZN FE	Production: none	523224 E 3705823 N	VEINS; Minerals present: GALENA, HEMATITE;
460	IRELAND PROSPECT	MN	Production: small	526240 E 3706693 N	VEIN/SHEAR; IRREGULAR; Deposit size: S; Minerals present: PSILOMELANE, PYROLUSITE;
461	STONEWALL JACKSON MINE; (MCMILLAN SILVER MINES GROUP; STONEWALL JACKSON-LITTLE MAC; MCMILLAN-STONEWALL)	AG CU	Production: small	529500 E 3712954 N	VEIN/SHEAR ZONE; LENSES; Deposit size: S; Minerals present: SILVER CHLORIDE AND SULPHIDE, NATIVE SILVER, BORNITE, CHALCOPYRITE; CALCITE, BARITE;