APPENDIX E, vol. 2 of 2,
to supplement

POTENTIAL ENVIRONMENTAL HAZARDS ON INACTIVE / ABANDONED MINE LANDS,

CORONADO NATIONAL FOREST, SOUTHEAST ARIZONA

APPENDIX E
is the documentation for derivation of EH values and HH values

SANTA RITA, SANTA TERESA
TUMACACORI (& ATASCOSA, PAJARITO, SAN LUIS), WHETSTONE
in this volume. No EH/HH values in Winchester.

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

OCTOBER 1993

APPENDIX E

DOCUMENTATION FOR DERIVATION OF EH AND HH VALUES

SANTA RITA

							page
Santa Rita	Gringo Mine area	SR749-775	N313420	W1104645	43.6	A	E391
Santa Rita	Mansfield Group	SR804, 805	N313644	W1104830	41.5	A	E393
Santa Rita	Glove Mine	SR390	N313932	W1105648	40.3	A	E395
Santa Rita	Philadelphia Mine	SR877-881	N313815	W1104800	20.7	A	E397
Santa Rita	Gold Fish Mine	SR118-121	N314823	W1104558	20.7	A	E399
Santa Rita	Tia Juana Mine	SR457-473	N314010	W1105300	20.7	A	E401
Santa Rita	Yuba Mine	SR159	N314540	W1104659	20.7	A	E403
Santa Rita	Compadre Mine Group	SR486-490	N313820	W1105235	20.7	A	E405
Santa Rita	Arizona-Pittsburg Mine	SR510-514	N313754	W1105142	20.7	A	E407
Santa Rita	Quebec Mine	SR170-172	N314532	W1104633	20.7	A	E409
Santa Rita	Silver Sally	SR517	N313732	W1105245	20.7	A	E411
Santa Rita	Summit Mine	SR148-150	N314552	W1104754	20.7	A	E413
Santa Rita	Alto Mine Group	SR567-590	N313644	W1105140	20.7	A	E415
Santa Rita	Blue Lead Mine	SR677-685	N313416	W1104850	20.7	A	E417
Santa Rita	Mohawk Mine	SR650-669	N313434	W1105013	20.7	A	E419
Santa Rita	Apache Mine	SR555, 556	N313708	W1105145	20.7	A	E421
Santa Rita	San Ramon Mine	SR546-554	N313704	W1105130	20.7	A	E423
Santa Rita	Dixie Mine	SR920-925	N313745	W1104940	20.7	A	E425
Santa Rita	Morning Star Mine	SR202-204	N314538	W1104543	20.7	A	E427
Santa Rita	Elephant Head Group	SR315...355	N314238	W1105520	20.7	A	E429
Santa Rita	Comstock Group	SR193-198	N314528	W1104551	20.7	A	E431
Santa Rita	Carrie Nation Mine	SR286-294	N314150	W1105225	20.7	A	E433
Santa Rita	Vulcan Mine Group	SR427-442	N313932	W1105518	20.7	A	E435
Santa Rita	Mountain King Mine area	SR143-147	N314625	W1104708	20.7	A	E437
Santa Rita	Lead Prospect	SR296	N314201	W1105249	20.7	A	E439
Santa Rita	Wisconsin Mine	SR131-135	N314655	W1104633	20.7	A	E441
Santa Rita	Rock Candy Mountain Mine area	SR259-270	N314245	W1104515	20.7	A	E443
Santa Rita	Frijole Mine	SR64-79	N315100	W1104609	20.7	A	E445
Santa Rita	FS-1	SR702-706	N313332	W1104635	20.7	A	E447
Santa Rita	Victor Mine	SR591-609	N313608	W1104945	20.7	A	E449
Santa Rita	Bull Springs Mine	SR500	N313815	W1105411	20.7	A	E451
Santa Rita	Herr Mine	SR451, 452	N314018	W1105415	20.7	~~B~~ A	E453
Santa Rita	Jersey Girl	SR519, 520	N313719	W1105220	20.7	A	E455
Santa Rita	Lexington Mine	SR122-124	N314814	W1104609	20.7	A	E457
Santa Rita	Braathern	SR446-450	N314040	W1105420	20.7	A	E459
Santa Rita	Little Shot Mine	SR285	N314148	W1105135	20.7	A	E461
Santa Rita	Sweet Water Group	SR255-258	N314240	W1104725	20.7	A	E463
Santa Rita	Extension Prospect	SR418-426	N313950	W1105604	20.7	A	E465
Santa Rita	Connecticut Mine	SR478-485	N313923	W1105207	20.7	A	E467
Santa Rita	Santa Rita Mines	SR358-360	N314152	W1105539	20.7	A	E469
Santa Rita	Hosey Mine area	SR938-946	N313740	W1105040	20.7	A	E471
Santa Rita	Treasure Vault Mine	SR306, 307	N314200	W1105328	20.7	A	E473
Santa Rita	Hancock Mine	SR139	N314629	W1104624	20.7	A	E475
Santa Rita	Jackson Group	SR274-277	N314536	W1105128	20.7	A	E477
Santa Rita	Unnamed workings	SR686-699	N313350	W1104652	20.7	A	E479
Santa Rita	Last Chance	SR776-787	N313605	W1104825	20.7	A	E481
Santa Rita	Happy Jack Mine	SR788-794	N313603	W1104912	20.7	A	E483
Santa Rita	Merry Widow	SR516	N313738	W1105225	20.7	A	E485
Santa Rita	Helena Mine and vicinity	SR9-23	N315230	W1104230	20.7	A	E487
Santa Rita	Golden Gate Mine	SR126-130	N314807	W1104538	17.3	B	E489

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Santa Rita	Bonanza Mine	SR363...382	N314130	W1105648	17.3	B	E491
Santa Rita	Snyder Mine	SR229-249	N314358	W1104542	17.3	B	E493
Santa Rita	Montosa Mine	SR405-417	N314005	W1105600	17.3	B	E495
Santa Rita	Santa Rita No. 26	SR112-114	N314944	W1104535	17.3	B	E497
Santa Rita	Unnamed workings	SR518	N313728	W1105238	15.6	B	E499
Santa Rita	Armada Mine	SR852-868	N313740	W1104800	15.6	B	E501
Santa Rita	St. Louis Mine	SR882-888	N313822	W1104805	15.6	B	E503
Santa Rita	Little Joker Mine	SR889-898	N313827	W1104808	15.6	B	E505
Santa Rita	Ultimo Mine	SR871-876	N313755	W1104755	15.6	B	E507
Santa Rita	Double Header Mine	SR869-870	N313748	W1104800	15.6	B	E509
Santa Rita	Silver King Mine	SR474-477	N313935	W1105148	15.6	B	E511
Santa Rita	Unnamed workings	SR521, 522	N313654	W1105227	15.6	B	E513
Santa Rita	Grey Fox	SR491, 492	N313835	W1105222	15.6	B	E515
Santa Rita	Unnamed workings	SR610-619	N313542	W1105020	15.6	B	E517
Santa Rita	R&R Prospect	SR453-456	N304022	W1105325	15.6	B	E519
Santa Rita	Unnamed workings	SR501	N313755	W1105250	15.6	B	E521
Santa Rita	BJ No. 1 Claim	SR443	N314035	W1105502	15.6	B	E523
Santa Rita	Unnamed workings	SR494-499	N313818	W1105310	15.6	B	E525
Santa Rita	Josephine	SR493	N313824	W1105253	15.6	B	E527
Santa Rita	Mineral West	SR523	N313655	W1105218	15.6	B	E529
Santa Rita	Ramon Prospect	SR541-545	N313712	W1105128	15.6	B	E531
Santa Rita	Unnamed working	SR444, 445	N314055	W1105443	15.6	B	E533
Santa Rita	Ellen Della and Vansuella prospects	SR707-715	N313334	W1104722	15.6	B	E535
Santa Rita	Cowboys Dream Mine area	SR620-649	N313451	W1104845	15.6	B	E537
Santa Rita	Unnamed workings	SR700, 701	N313307	W1104720	15.6	XB	E539
Santa Rita	Three Star Prospect	SR515	N313737	W1105200	15.5	B	E541
Santa Rita	Duranium Claim	SR383	N314013	W1105045	14.4	B	E543
Santa Rita	Unnamed workings	SR507-509	N313754	W1105158	13.0	B	E545
Santa Rita	Unnamed workings	SR384-389	N313955	W1105728	12.4	B	E547
Santa Rita	Dragon Z Mine	SR806-820	N313638	W1104752	12.4	B	E549
Santa Rita	Copper Mountain	SR847-851	N313736	W1104750	12.4	B	E551
Santa Rita	Taylor Prospect	SR93-97	N315024	W1104520	12.4	B	E553
Santa Rita	Curtice Mine	SR58-63	N315101	W1104621	12.4	B	E555
Santa Rita	Old Madera Mine	SR283-284	N314222	W1105131	12.4	B	E557
Santa Rita	Unnamed prospects	SR140-142	N314634	W1104719	12.4	B	E559
Santa Rita	Silver Cane	SR840-846	N313730	W1104730	12.4	B	E561
Santa Rita	Unnamed prospect	SR152, 153	N314554	W1104635	12.4	B	E563
Santa Rita	Keith	SR154-158	N314542	W1104644	12.4	B	E565
Santa Rita	Gold Buck	SR173-182	N314528	W1104629	12.4	B	E567
Santa Rita	Unnamed prospects	SR183-185	N314527	W1104554	12.4	B	E569
Santa Rita	Silver Leaf	SR186-190	N314528	W1104558	12.4	B	E571
Santa Rita	Unnamed workings	SR218-224	N314455	W1104945	12.4	B	E573
Santa Rita	Aliso Springs Prospect	SR225-228	N314410	W1104758	12.4	B	E575
Santa Rita	Royal Mountain Mine	SR205-210	N314506	W1104630	12.4	B	E577
Santa Rita	Zeckendorf	SR191, 192	N314538	W1104558	12.4	B	E579
Santa Rita	Gold Ledge	SR160-169	N314538	W1104650	12.4	B	E581
Santa Rita	Unnamed workings	SR746-748	N313418	W1104718	12.4	B	E583
Santa Rita	Unnamed workings	SR932-934	N313715	W1105028	12.4	B	E585
Santa Rita	Unnamed workings	SR733-745	N313408	W1104655	12.4	B	E587
Santa Rita	Los Burritos Prospect	SR821	N313628	W1104725	12.4	B	E589

E389

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Santa Rita	Unnamed workings	SR822-839	N313000	W1104740	12.4	B	E591
Santa Rita	Star Pointer Mine	SR272-273	N314619	W1105111	12.4	B	E593
Santa Rita	Sun Lode Group	SR278	N314413	W1105254	12.4	B	E595
Santa Rita	Santa Rita Group	SR104-107	N315003	W1004518	12.4	B	E597
Santa Rita	Spear Prospect	SR295	N314200	W1105231	12.4	B	E599
Santa Rita	Blacksmith Prospect	SR308-310	N314201	W1105332	12.4	B	E601
Santa Rita	Hermits Home Mine	SR311-314	N314208	W1105346	12.4	B	E603
Santa Rita	Unnamed working	SR356, 357	N314203	W1105612	12.4	B	E605
Santa Rita	Jenkins Prospect?	SR361, 362	N314135	W1105436	12.4	B	E607
Santa Rita	Unnamed working	SR305	N314159	W1105306	12.4	B	E609
Santa Rita	Plata Cascabel	SR136-138	N314648	W1104639	12.4	B	E611
Santa Rita	Old Tucson Mine area	SR199-201	N314528	W1104532	12.4	B	E613
Santa Rita	Old Baldy Prospect	SR280	N314258	W1105208	12.4	B	E615
Santa Rita	Unnamed workings	SR926-930	N313710	W1104985	12.4	B	E617
Santa Rita	Florida Mine area	SR271	N314452	W1105015	12.4	B	E619
Santa Rita	Unnamed prospect	SR125	N314809	W1104558	12.4	B	E621
Santa Rita	Unnamed workings	SR401-404	N314042	W1105546	12.4	B	E623
Santa Rita	Walden Mine	SR948-950	N314015	W1105000	12.4	B	E625
Santa Rita	Friez Prospect	SR151	N314702	W1104602	12.4	B	E627
Santa Rita	Unnamed working	SR1	N315455	W1104515	12.4	B	E629
Santa Rita	Unnamed workings	SR2-8	N315455	W1104450	12.4	B	E631
Santa Rita	Unnamed workings	SR716, 717	N313335	W1104745	12.4	B	E633
Santa Rita	Go Devil Group	SR391-400	N314010	W1105628	10.4	B	E635
Santa Rita	Merchant Mine	SR98-102	N315018	W1104524	10.4	B	E637
Santa Rita	Unnamed workings	SR115-117	N314907	W1104557	10.4	B	E639
Santa Rita	Last Chance	SR109-110	N314945	W1104554	10.4	B	E641
Santa Rita	Unnamed workings	SR24-31	N315315	W1104634	10.4	B	E643
Santa Rita	Billey Sunday Prospect	SR250-254	N314330	W1104520	10.4	B	E645
Santa Rita	Agua Calliente Caves	SR365-368	N314115	W1105731	10.4	B	E647
Santa Rita	Unnamed workings	SR369, 370	N314052	W1105725	10.4	B	E649
Santa Rita	Daniels Mine	SR279	N314330	W1105212	10.4	B	E651
Santa Rita	Unnamed working	SR211-215	N314518	W1104851	10.4	B	E653
Santa Rita	Unnamed workings	SR936, 937	N313728	W1105053	10.4	B	E655
Santa Rita	Unnamed workings	SR216, 217	N314612	W1105001	10.4	B	E657
Santa Rita	Unnamed working	SR947	N313935	W1104810	10.4	B	E659
Santa Rita	Wildcat Mine	SR951-954	N313953	W1105036	10.4	B	E661
Santa Rita	Unnamed working	SR336-345	N314250	W1105648	08.6	B	E663
Santa Rita	Blue Jay Prospect	SR676	N313416	W1104838	08.6	B	E665
Santa Rita	Greaterville Placers	NONE	N313238	W1104502	06.9	C	E667

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts — Coronado NF

Primary Name: GRINGO MINE area

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR749-725

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 15E Section: 26 and 35

Latitude: 31° 34' 20" Longitude: 110° 46' 45" Elevation (ft): 4240-4520

7.5' or 15' Quadrangle Map Name: Patagonia Scale: 1:24,000

Mining or Mineral District: Wrightson mining district

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium X Copper X Lead X Mercury X Zinc X Other ___ Silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E 391

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp X Flotation __

Jig Plant __ Retort __ No Mill __ Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit (several) Decline (several) Shaft (several) Glory Hole __ Small Pit or Trench (< 10 ft) X (numerous)

Large Pit (> 10 ft) X (numerous) Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) y

Mark all conditions that apply:

Open to Entry X Partly Caved X Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft) adits and shafts >100 ft long and deep

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) y

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing X Filled X Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road X 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E 392

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 43.55
6 2 1.2 1.2 2.1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 108.86
9 2 1.2 1.2 2.1 2

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

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[1]Within a table, take only the highest value as the total value for that table.

new

Note: This mine group was not thoroughly investigated because it was believed to be on "no permission" patented land.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts - Coronado NF

Primary Name: Mansfield group

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 804-805

E 393

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 15E Section: 9,10,15,16

Latitude: 31°36'44" Longitude: 110°48'30" Elevation (ft): 4600 - 5,200

7.5' or 15' Quadrangle Map Name: Patagonia Scale: 1:24,000

Mining or Mineral District: Wrightson mining district

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury __ Zinc X Other ___ Silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

HISTORICAL DATA (con't)

Milling Method: Smelter X

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill __ Unknown X

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite X

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit several Decline __ Shaft several Glory Hole __ Small Pit or Trench (< 10 ft) numerous

Large Pit (> 10 ft) numerous Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature unknown — NOT VISITED BY BOM

Does the condition of the feature represent a hazard? (y/n) __

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) ~~y~~

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) ?

Is water being produced from the feature? (y/n) ?

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road X 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E394

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures X Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 41.47
6 2 1.2 1.2 2 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 92.16
8 2 1.2 1.2 2 2

PRIORITY

Sites will be ranked for each mountain range. The FS is presently unde the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examine in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to b examined.

The category for this site is A.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts.

Primary Name: Glove Mine

Alternate Name: (Cheehy - O'Donnell, Blacksmith, O.K., Rover)

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR390

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 14E Section: 30

Latitude: N31°39'32" Longitude: W110°56'48" Elevation (ft): 4280

7.5' or 15' Quadrangle Map Name: Mt. Hopkins Scale: 1:24000

Mining or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury __ Zinc X Other ___ silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) __ Small to Medium (10,000 to 250,000 st) X

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E 395

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill __ Unknown X

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite X

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone X Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit X Decline __ Shaft X Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) y

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ___ x Width ___ x Height ___

over 5000 ft of workings

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E 396

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 40.3
6 x 2 x 1.2 x 1.4 x 2 x 1

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 48.4
8 x 2 x 1.2 x 1.4 x 1 x 1.8 =

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts — Coronado NF

Primary Name: Philadelphia mine

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 877-881

LOCATION DATA

State: Az County: Santa Cruz Township: 21S Range: 15E Section: 3

Latitude: 31° 38' 15" Longitude: 110° 48' 00" Elevation (ft): 4,860

7.5' or 15' Quadrangle Map Name: Mt. Wrightson Scale: 1:24,000

Mining or Mineral District: Wrightson mining district

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury X Zinc X Other Silver

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground ✓ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E 397

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena X Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft X Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) X Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) __

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed X Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) y

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing X Filled __ Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road X 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.74
6 2 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 51.84
9 2 1.2 1.2 1 2

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts.

Primary Name: Gold Fish Mine

Alternate Name: (Gold Fish; Arrastra and Golden Gate groups)

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 118-121

LOCATION DATA

State: AZ County: PIMA Township: 19S Range: 15E Section: 1

Latitude: N31°48'23" Longitude: W110°45'58" Elevation (ft): 5200

(7.5') or 15' Quadrangle Map Name: Helvetia Scale: 1:24000

(Mining) or Mineral District: Helvetia-Rosemont

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury X Zinc X Other X silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E 399

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena X Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline X Shaft X Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Shaft Length ____ x Width ____ x Height 110

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other Spring

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E 400

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 x 2 x 1.2 x 1.2 x 1 x 1.2 =

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7
9 x 2 x 1.2 x 1.2 x 1 x 1.8 =

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: St. Rita Mts.

Primary Name: Tia Juana Mine - Santa Cruz, Tia Juana & Santa Maria Claims.

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 457-473

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 14E Section: 26

Latitude: 31°40'10"N Longitude: 110°53'00"W Elevation (ft): 6200-6900

(7.5') or 15' Quadrangle Map Name: Mt. Hopkins Scale: 1/24000

(Mining) or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury X Zinc X Other Ag

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E401

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 3 Decline __ Shaft X Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) n

Mark all conditions that apply:

Open to Entry X Partly Caved X Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) n

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E402

OTHER

Are any of the following other features present?: Unk

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 2 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7
9 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mountains

Primary Name: Yuba Mine

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 159

LOCATION DATA

State: AZ County: PIMA Township: 19S Range: 15E Section: 23

Latitude: N31°45'40" Longitude: W 110°46'59" Elevation (ft): 5800

7.5' or 15' Quadrangle Map Name: Helvetia Scale: 1:24000

Mining or Mineral District: Greaterville

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury X Zinc __ Other X silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E 403

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft X Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed X Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Shaft Length ____ x Width ____ x Height 25

WATER

Are bodies of water found on or near the site? (y/n) __

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E404

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 x 2 x 1.2 x 1.2 x 1 x 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7
9 x 2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: St. Rita Mts

Primary Name: Compadre Mine Group

Alternate Name: Leroy, Polatski, Mavy, East Compadre

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR486-490

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 14E Section: 35,36

Latitude: 31°38'20"N Longitude: 110°52'35"W Elevation (ft): 5400

(7.5') or 15' Quadrangle Map Name: mt Wrightson/mt. Hopkins Scale: 1/24000

(Mining) or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium X Copper X Lead X Mercury X Zinc X Other Ag.

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E405

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit X Decline __ Shaft X Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry __ Partly Caved X Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

Leroy: 1 adit caved at 60ft.

Compadre: 2 adits - both caved, at portal and at 25ft.

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) n

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E406

OTHER

Are any of the following other features present?: Unk

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 2 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7
9 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: St. Rita Mts.

Primary Name: Arizona - Pittsburg Mine

Alternate Name: Black Hills

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 510-514

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 14E Section: 1

Latitude: 31°37'54"N Longitude: 110°51'42" Elevation (ft): 5500

7.5' or 15' Quadrangle Map Name: Mt Wrightson Scale: 1/24000

(Mining) or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury X Zinc X Other Ag

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E 407

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft 2 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

2 Shafts - both flooded
1 Adit - 2200 ft.

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown X Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E408

OTHER

Are any of the following other features present?: Unk

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 2 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7
9 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mountains

Primary Name: Quebec Mine

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR170-172

LOCATION DATA

State: AZ County: PIMA Township: 19S Range: 15E Section: 26

Latitude: N 31° 45' 32" Longitude: W 110° 46' 33" Elevation (ft): 5800

7.5' or 15' Quadrangle Map Name: Helvetia Scale: 1:24000

Mining or Mineral District: Greaterville

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury X Zinc X Other X silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E409

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline X Shaft 2 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other Winzes

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E410

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 x 2 x 1.2 x 1.2 x 1 x 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7
9 x 2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently unde the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examine in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to b examined.

The category for this site is A.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: St. Rita Mts

Primary Name: Silver Sally

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 517

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 14E Section: 11

Latitude: 31°37'32"N Longitude: 110°52'45"W Elevation (ft): 5000

(7.5') or 15' Quadrangle Map Name: Mt. Hopkins Scale: 1/24000

(Mining) or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury X Zinc X Other ___ Silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E 411

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena X Marcasite __ Sphalerite X

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) n

Mark all conditions that apply:

Open to Entry __ Partly Caved X Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

Adit and Shaft both caved

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) n

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E412

OTHER

Are any of the following other features present?: Unk.

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 2 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7
9 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mountains

Primary Name: Summit Mine

Alternate Name: (May include Hughes Mine)

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 148-156

LOCATION DATA

State: AZ County: PIMA Township: 19S Range: 15E Section: 22

Latitude: N31°45'52" Longitude: W110°47'54" Elevation (ft): 5640

(7.5) or 15' Quadrangle Map Name: Helvetia Scale: 1:24000

(Mining) or Mineral District: Greaterville

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury X Zinc X Other X silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E413

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline X Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Shaft Length ___ x Width ___ x Height 40

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond X Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E414

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 x 2 x 1.2 x 1.2 x 1 x 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7
9 x 2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: St. Rita Mts.

Primary Name: Alto Mine Group

Alternate Name: Gold Tree, Plomo, Mineral West, Albert #2, Steinfelt, Mineral 1+2, Oak, Alto, Alto East, Albion, Record and Grand Prize Claims.

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR-567-590

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 14E Section: 12

Latitude: 31°36'44"N Longitude: 110°51'40"W Elevation (ft): 5100-5580

(7.5') or 15' Quadrangle Map Name: Patagonia Scale: 1/24000

(Mining) or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium X Copper X Lead X Mercury X Zinc X Other ___ Silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect X Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E415

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite X

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide X (Tetrahedrite, Chalcocite) Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit X Decline __ Shaft X Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

Adit - longest one is 240ft.

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) n

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E416

OTHER

Are any of the following other features present?: Unk.

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 2 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7
9 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: St. Rita Mts

Primary Name: Blue Lead Mine

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 677-685

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 15E Section: 33

Latitude: 31°34'16" Longitude: 110°48'50"W Elevation (ft): 4460

(7.5) or 15' Quadrangle Map Name: Patagonia Scale: 1/24000

(Mining) or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury X Zinc X Other ___ Silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E417

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 3 Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

Shafts (3) - 2 flooded, one 80 ft deep.

WATER

Are bodies of water found on or near the site? (y/n) y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) y

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled X Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E418

OTHER

Are any of the following other features present?: Unk.

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 2 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7
9 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: St Rita Mts.

Primary Name: Mohawk Mine

Alternate Name: Willie Joe Francis, Cracker Jack

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 650-669

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 15E Section: 29

Latitude: 31°34'34"N Longitude: 110°50'13"W Elevation (ft): 4740-5000

7.5' or 15' Quadrangle Map Name: Patagonia Scale: 1/24000

Mining or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium X Copper X Lead X Mercury X Zinc X Other ____ Silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E419

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft 5 Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry __ Partly Caved X Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

Shafts caved to 20ft.

WATER

Are bodies of water found on or near the site? (y/n) __

Please mark with an X all that apply:

Stream __ River __ Pond X to SE Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled X Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E420

OTHER

Are any of the following other features present?: Unk.

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 2 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7
9 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: St Rita Mts

Primary Name: Apache Mine

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR555-566

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 14E Section: 12

Latitude: 31°37'08"N Longitude: 110°51'45"W Elevation (ft): 5250-5400

7.5' or 15' Quadrangle Map Name: Patagonia Scale: 1/24000

Mining or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury X Zinc X Other ____ Silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect X Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E421

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite X

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 3 Decline __ Shaft 3 Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

Adits (3) - 540ft total

WATER

Are bodies of water found on or near the site? (y/n) y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) n

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E42

OTHER

Are any of the following other features present?: Unk

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 2 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7
9 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: St. Rita Mts.

Primary Name: San Ramon Mine

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR-546-554

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 14E Section: 12

Latitude: 31°37'04"N Longitude: 110°51'30"W Elevation (ft): 5280

7.5' or 15' Quadrangle Map Name: Patagonia Scale: 1/24000

Mining or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium X Copper X Lead X Mercury X Zinc X Other ___ Silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E423

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 3 Decline __ Shaft 2 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

Adits - 395+ ft. total

<1 ft - 110 ft total

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) n

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E 424

OTHER

Are any of the following other features present?: Unk

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 2 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7
9 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts – Coronado NF

Primary Name: Dixie Mine

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR920-925

LOCATION DATA

State: Az County: Santa Cruz Township: 21S Range: 15E Section: 8

Latitude: 31°37'45" Longitude: 110°49'40" Elevation (ft): 6,100

7.5' or 15' Quadrangle Map Name: Mt. Wrightson Scale: 1:24,000

Mining or Mineral District: Wrightson mining district

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium X Copper X Lead X Mercury X Zinc X Other Silver

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E425

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite X

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit X Decline __ Shaft X Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) X Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) y

Mark all conditions that apply:

Open to Entry X Partly Caved X Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed X Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft) shaft, 100ft deep

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) n

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) n

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E426

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.74
6 2 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.66
9 2 1.2 1.2 1 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts.

Primary Name: Morning Star Mine

Alternate Name: (St. Louis, Isabel)

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR202-204

LOCATION DATA

State: AZ County: PIMA Township: 19S Range: 15E Section: 24,25

Latitude: N31° 45' 38" Longitude: W110° 45' 43" Elevation (ft): 5440

7.5' or 15' Quadrangle Map Name: Helvetia Scale: 1:24000

Mining or Mineral District: Greaterville

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury X Zinc X Other X silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E427

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite X

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline 2 Shaft 3 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

shaft Length ____ x Width ____ x Height 256

WATER

Are bodies of water found on or near the site? (y/n) X

Please mark with an X all that apply:

Stream __ River __ Pond X Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E428

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 x 2 x 1.2 x 1.2 x 1 x 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7
9 x 2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts

Primary Name: Elephant Head group (Horse Shoe, Grand Prize, Look Out, Tip Top, Quantrell,

Alternate Name: Elephant Head, Quantero, Eureka, Homestake, and Stonewall Claims, plus Elephant Head Mill site)

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 315-327, 346-355

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 14E Section: 4,5,8,9

Latitude: N 31°42'38" Longitude: W 110°55'20" Elevation (ft): 5100

(7.5') or 15' Quadrangle Map Name: Mt. Hopkins Scale: 1:24000

(Mining) or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium X Copper X Lead X Mercury X Zinc X Other X
silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E429

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite X

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit X Decline __ Shaft X Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed X Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Adit Length 1,230 x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream X River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E436

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 x 2 x 1.2 x 1.2 x 1 x 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7
9 x 2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mountains

Primary Name: Comstock group

Alternate Name: (Apex, Fulton)

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 193-198

LOCATION DATA

State: AZ County: PIMA Township: 19S Range: 15E Section: 25

Latitude: N31°45'38" Longitude: W110°45'51" Elevation (ft): 5560

7.5' or 15' Quadrangle Map Name: Helvetia Scale: 1:24000

Mining or Mineral District: Greaterville

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury X Zinc X Other X silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E431

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena X Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit X Decline __ Shaft X Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed X Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Adit Length 150 x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other water tank

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E 432

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 x 2 x 1.2 x 1.2 x 1 x 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7
9 x 2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts

Primary Name: Carrie Nation Mine

Alternate Name: (Square Deal)

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR286-294

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 14E Section: 14

Latitude: 31°41'50" Longitude: 110°52'25" Elevation (ft): 6520

7.5' or 15' Quadrangle Map Name: Mt. Wrightson Scale: 1:24000

Mining or Mineral District: Old Baldy

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium X Copper X Lead X Mercury X Zinc X Other X silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E433

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide X Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) 1

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

shaft Length ____ x Width ____ x Height 60

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream X River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other Spring

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E434

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 x 2 x 1.2 x 1.2 x 1 x 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7
9 x 2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: St. Rita Mts.

Primary Name: Vulcan Mine Group

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR427-442

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 14E Section: 28

Latitude: SR427-441 31°39'32"N SR442-31°39'20"N Longitude: 110°55'18"W 110°55'10" Elevation (ft): 4800-5160

7.5' or 15' Quadrangle Map Name: Mt. Hopkins Scale: 1:24000

Mining or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium X Copper X Lead X Mercury X Zinc X Other Ag

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E435

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 3 Decline __ Shaft 2 Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) n

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

3 Adit: 100ft, 180ft and 50ft; 100ft adit flooded.
2 shaft connecting adits: 50ft and 20ft.

WATER

Are bodies of water found on or near the site? (y/n) y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) y

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing X Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E436

OTHER

Are any of the following other features present?: Unk

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 2 12 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7
9 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mountains

Primary Name: Mountain King Mine Area

Alternate Name: (Enzenberg, Silver Butte?)

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 143-147

LOCATION DATA

State: AZ County: PIMA Township: 19S Range: 15E Section: 23

Latitude: N31°46'25" Longitude: W110°47'08" Elevation (ft): 5800

(7.5') or 15' Quadrangle Map Name: Helvetia Scale: 1:24000

(Mining) or Mineral District: Greaterville

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury X Zinc X Other X
Silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E437

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena X Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline 1 Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Adit Length 85 x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E438

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 x 2 x 1.2 x 1.2 x 1 x 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7
9 x 2 x 1.2 x 1.2 x 1 x 1.9

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts

Primary Name: Lead Prospect

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 296-304

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 14E Section: 11

Latitude: 31°42'01" Longitude: 110°52'49" Elevation (ft): 6720

7.5' or 15' Quadrangle Map Name: Mt. Hopkins Scale: 1:24000

Mining or Mineral District: Old Baldy

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium X Copper X Lead X Mercury X Zinc X Other X
Silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E439

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) X Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Adit Length 130 x Width ___ x Height ___

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream X River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E440

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 x 2 x 1.2 x 1.2 x 1 x 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7
9 x 2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mountains

Primary Name: Wisconsin Mine

Alternate Name: (Buckhorn)

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR131-135

LOCATION DATA

State: AZ County: PIMA Township: 19S Range: 15E Section: 14

Latitude: N31°46'55" Longitude: W 110°46'33" Elevation (ft): 5600

(7.5') or 15' Quadrangle Map Name: Helvetia Scale: 1:24000

(Mining) or Mineral District: Greaterville

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury X Zinc X Other X silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E441

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft X Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Shaft Length ____ x Width ____ x Height 20

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E442

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 x 2 x 1.2 x 1.2 x 1 x 1.2 =

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7
9 x 2 x 1.2 x 1.2 x 1 x 1.8 =

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts.

Primary Name: Rock Candy Mountain Mine Area

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 259-270

LOCATION DATA

State: AZ County: Santa Cruz Township: 20 S Range: 15E Section: 8,9

Latitude: 31°42'45" Longitude: 110°49'15" Elevation (ft): 6000

7.5' or 15' Quadrangle Map Name: Mt. Wrightson Scale: 1:24000

Mining or Mineral District: Greaterville

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium X Copper X Lead X Mercury X Zinc X Other X
Silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E443

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit X Decline __ Shaft X Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) X

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed X Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Shaft Length ____ x Width ____ x Height 45

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream X River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E444

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 x 2 x 1.2 x 1.2 x 1 x 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7
9 x 2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mountains

Primary Name: Frijole Mine

Alternate Name: (Silver Spur, old Frijole, part of Frijole Claim Group)

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 64-79

LOCATION DATA

State: AZ County: PIMA Township: 18S Range: 15E Section: 24

Latitude: N315100 Longitude: W1104609 Elevation (ft): 5000

7.5' or 15' Quadrangle Map Name: Helvetia Scale: 1:24000

Mining or Mineral District: Helvetia - Rosemont

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury X Zinc X Other X silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E445

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline X Shaft X Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Adit Length 980 x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) X

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other Spring

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E446

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 x 2 x 1.2 x 1.2 x 1 x 1.2 =

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7
9 x 2 x 1.2 x 1.2 x 1 x 1.8 =

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: St. Rita Mts.

Primary Name: FS-1

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR-702-706

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 15E Section: 35

Latitude: 31°33'32"N Longitude: 110°46'35"W Elevation (ft): 4150

(7.5') or 15' Quadrangle Map Name: Patagonia Scale: 1/24000

(Mining) or Mineral District: Wrightson

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury X Zinc X Other ___ Silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown X

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E447

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft 2 Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) X

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other 2 [illegible]

Size of Feature (ft)

Length ____ x Width ____ x Height ____

Adit - 30ft.

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) n

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) unk.

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E448

OTHER

Are any of the following other features present?: Unk.

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 2 1.2 1.2 1 1.2
49

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.6
9 1.8
45

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: St. Rita Mts.

Primary Name: Victor Mine

Alternate Name: Bowling Green Mine, Lucky Spur Mine

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR-591-609

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 15E Section: 17

Latitude: 31°36'08"N Longitude: 110°49'45"W Elevation (ft): 5600 - 5940

(7.5') or 15' Quadrangle Map Name: Patagonia Scale: 1/24000

(Mining) or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium X Copper X Lead X Mercury X Zinc X Other ____ Silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect X Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E449

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite X

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft 3 Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other flooded adit

Size of Feature (ft)

Length ____ x Width ____ x Height ____

Adit - flooded winze at 120 ft

Shafts (3) 10 ft and unknown

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) Y

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E450

OTHER

Are any of the following other features present?: Unk

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 2 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.6
9 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is _____.

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: St. Rita Mts

Primary Name: Bull Springs Mine

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR-500

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 14E Section: 3

Latitude: 31°38'15"N Longitude: 110°54'11" W Elevation (ft): 4800

7.5' or 15' Quadrangle Map Name: Mt. Hopkins Scale: 1/24000

(Mining) or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium X Copper X Lead X Mercury X Zinc X Other Ag

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E451

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite X

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline __ Shaft 2 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) X

Mark all conditions that apply:

Open to Entry __ Partly Caved X Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

2 caved shafts

2 caved adits at portal [illegible] 35ft

WATER

Are bodies of water found on or near the site? (y/n) y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) n

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E452

OTHER

Are any of the following other features present?: Unk

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 2 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.6
9 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: St. Rita Mts

Primary Name: Herr Mine (Hilda & Edith, Ruth & Ruby claims)

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 451-452

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 14E Section: 22

Latitude: 31° 40' 18" N Longitude: 110° 54' 15" W Elevation (ft): 5700

7.5' or 15' Quadrangle Map Name: Mt. Hopkins Scale: 1/24000

Mining or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury __ Zinc X Other Ag

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E453

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite X

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other Caved, backfilled or no longer visible.

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) n

Mark all conditions that apply:

Open to Entry __ Partly Caved X Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other Spring

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled X Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road X 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E454

OTHER

Are any of the following other features present?: Unk,

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 2 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.1
8 2

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: St. Rita Mts

Primary Name: Jersey Girl

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR519-520

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 14E Section: 11

Latitude: 31°37'19" N Longitude: 110°52'20" W Elevation (ft): 4850

7.5' or 15' Quadrangle Map Name: Patagonia Scale: 1/24000

Mining or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury __ Zinc X Other ____ Silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E455

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena X Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

Flooded Shaft & Caved Adit

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled X Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road X 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E456

OTHER

Are any of the following other features present?: Unk

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 2 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.1
8 2

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts.

Primary Name: Lexington Mine

Alternate Name: (Arrastra and Golden Gate Groups)

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 122-124

LOCATION DATA

State: AZ County: PIMA Township: 19S Range: 15E Section: 1

Latitude: N 31° 48' 14" Longitude: W 110° 46' 09" Elevation (ft): 5200

7.5' or 15' Quadrangle Map Name: Helvetia Scale: 1:24000

Mining or Mineral District: Helvetia - Rosemont

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead X Mercury __ Zinc X Other X silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E457

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit X Decline __ Shaft X Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed X Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) X

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) X

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled X Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E458

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 x 2 x 1.2 x 1.2 x 1 x 1.2 =

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 41.5
8 x 2 x 1.2 x 1.2 x 1 x 1.8 =

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: St. Rita Mts.

Primary Name: Braathern

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 446-450

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 14E Section: 21,22

Latitude: 31°40'40"N Longitude: 110°54'20"W Elevation (ft): 5400-5700

(7.5) or 15' Quadrangle Map Name: Mt. Hopkins Scale: 1/24000

(Mining) or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium X Copper X Lead X Mercury __ Zinc X Other Ag

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E459

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline __ Shaft 2 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other Flooded

Size of Feature (ft)

Length ____ x Width ____ x Height ____

2 shafts: flooded
2 Adits flooded

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled X Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E460

OTHER

Are any of the following other features present?: Unk

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 2 12 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 41.5
8 18

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

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[1]Within a table, take only the highest value as the total value for that table.

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts

Primary Name: Little Shot Mine

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 285

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 14E Section: 13

Latitude: 31° 41'48" Longitude: 110°51'35" Elevation (ft): 6920

7.5' or 15' Quadrangle Map Name: Mt. Wrightson Scale: 1:24000

Mining or Mineral District: Old Baldy

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury __ Zinc __ Other ___ silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E461

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide X Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed X Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other Portal sealed with cement & pipe coming out of it.

Size of Feature (ft)

Adit Length 200 x Width ___ x Height ___

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream X River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other Spring

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) Y

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing Y Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E462

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 x 2 x 1.2 x 1.2 x 1 x 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 41.5
8 x 2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts.

Primary Name: Sweet Water group

Alternate Name: (Last Chance, Lonesome One, Jewell)

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 255-258

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 15E Section: 10

Latitude: 31°42'40" Longitude: 110°47'25" Elevation (ft): 5600

7.5' or 15' Quadrangle Map Name: Mt. Wrightson Scale: 1:24000

Mining or Mineral District: Greaterville

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury __ Zinc X Other X
silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E463

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline __ Shaft X Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed X Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Shaft Length ____ x Width ____ x Height 20

WATER

Are bodies of water found on or near the site? (y/n) X

Please mark with an X all that apply:

Stream X River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E464

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 X 2 X 1.2 X 1.2 X 1 X 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 41.5
8 X 2 X 1.2 X 1.2 X 1 X 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts

Primary Name: Extension Prospect

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 418-426

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 14E Section: 29

Latitude: N31°39'50" Longitude: W 110°56'04" Elevation (ft): 4640

7.5' or 15' Quadrangle Map Name: Mt. Hopkins Scale: 1:24000

Mining or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury X Zinc X Other X Silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E465

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline 1 Shaft 2 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) X Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Shaft Length ____ x Width ____ x Height 25

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E466

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 x 2 x 1.2 x 1.2 x 1 x 1.2 =

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 41.5
8 x 2 x 1.2 x 1.2 x 1 x 1.8 =

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: St. Rita Mts

Primary Name: Connecticut Mine (likely includes Rhode Island Mine)

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR-478-485

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 14E Section: 25, 36

Latitude: 31° 39' 23" N Longitude: 110° 52' 07" Elevation (ft): 5500-5700

(7.5') or 15' Quadrangle Map Name: Mt. Wrightson Scale: 1/24000

(Mining) or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium X Copper X Lead X Mercury __ Zinc X Other Ag

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E467

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 3 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) n

Mark all conditions that apply:

Open to Entry X Partly Caved X Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

3 adits - one caved, one 50 ft, and one 250 ft.

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) n

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E468

OTHER

Are any of the following other features present?: Unk

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 2 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 41.5
8 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts

Primary Name: Santa Rita Mines

Alternate Name: (Good Luck Claims)

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR358-360

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 14E Section: 17

Latitude: N31°41'52" Longitude: W110°55'39" Elevation (ft): 4840

7.5' or 15' Quadrangle Map Name: Mt. Hopkins Scale: 1:24000

Mining or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead X Mercury __ Zinc X Other X silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E469

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) 1 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed X Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

shaft Length ____ x Width ____ x Height >10

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other Dam

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E470

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 x 2 x 1.2 x 1.2 x 1 x 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 41.5
8 x 2 x 1.2 x 1.2 x 1 x 1.8 =

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts - Coronado NF

Primary Name: Hasey Mine area

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR938-946

LOCATION DATA

State: Az County: Santa Cruz Township: 21S Range: 15E Section: 7

Latitude: 31°37'40" Longitude: 110°50'40" Elevation (ft): 5,700

7.5' or 15' Quadrangle Map Name: Mt. Wrightson Scale: 1:24,000

Mining or Mineral District: Wrightson mining district

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury __ Zinc X Other Silver

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E471

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit Caved __ Decline __ Shaft Caved __ Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) y

Mark all conditions that apply:

Open to Entry X Partly Caved X Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed X Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) y

Is water being produced from the feature? (y/n) y

If water is present, how does it occur?:

Standing X Filled X Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E472

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.74
6 2 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 41.47
8 2 1.2 1.2 1 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts

Primary Name: Treasure Vault Mine

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR306-307

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 14E Section: 10

Latitude: N31°42'00" Longitude: W110°53'20" Elevation (ft): 6680

(7.5') or 15' Quadrangle Map Name: Mt. Hopkins Scale: 1:24000

(Mining) or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury __ Zinc X Other ___ silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E473

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite X

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed X Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

shaft Length ____ x Width ____ x Height 100

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other Spring

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E474

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 x 2 x 1.2 x 1.2 x 1 x 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 41.5
8 x 2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mountains

Primary Name: Hancock Mine

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 139

LOCATION DATA

State: AZ County: PIMA Township: 19S Range: 15E Section: 14

Latitude: N31°46'29" Longitude: W110°46'24" Elevation (ft): 5420

(7.5') or 15' Quadrangle Map Name: Helvetia Scale: 1:24000

(Mining) or Mineral District: Greaterville

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury __ Zinc X Other X
silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E475

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena X Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

shaft Length ____ x Width ____ x Height 100

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E476

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 x 2 x 1.2 x 1.2 x 1 x 1.2 =

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 41.5
8 x 2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently unde: the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examine in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to b examined.

The category for this site is A.

---

[1]Within a table, take only the highest value as the total value for that table.

new

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts

Primary Name: Jackson group

Alternate Name: (Jackson Mine, old Hickory, Iron Mask, Decatur, La Rosa, and others; part of McCleary and Parker Bros. properties).

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 274-277

LOCATION DATA

State: AZ County: PIMA Township: 19S Range: 14E Section: 24,25

Latitude: 31°45'36" Longitude: 110°51'28" Elevation (ft): 4600

(7.5') or 15' Quadrangle Map Name: Helvetia Scale: 1:24000

(Mining) or Mineral District: Old Baldy

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury __ Zinc X Other X silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E477

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide X Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 2 Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed X Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

shaft Length ____ x Width ____ x Height 210

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E478

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 x 2 x 1.2 x 1.2 x 1 x 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 41.5
6 x 2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: St. Rita Mts.

Primary Name: Unamed (prospects & workings around Monarch patented claim)

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 686-699 SR

LOCATION DATA

State: AZ County: Santa Cruz Township: 22S Range: 15E Section: 2

Latitude: 31°33'50"N Longitude: 110°46'52"W Elevation (ft): 4200

(7.5') or 15' Quadrangle Map Name: Patagonia Scale: 1/24000

(Mining) or Mineral District: Wrightson

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury X Zinc X Other ___
Silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E479

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown X

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 3 Decline __ Shaft 2 Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

Adit (3) - 120 ft, 35 ft, 10 ft

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing X Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site X Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E480

OTHER

Are any of the following other features present?: Unknown

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 2 1.2 1.2 1 1.2
Hg

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 36.3
9 1.4
Hg

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts.

Primary Name: Last Chance

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 109-110

LOCATION DATA

State: AZ County: PIMA Township: 18S Range: 15E Section: 36

Latitude: N31°49'45" Longitude: W110°45'54" Elevation (ft): 5520

7.5' or 15' Quadrangle Map Name: Helvetia Scale: 1:24000

Mining or Mineral District: Helvetia - Rosemont

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium X Copper X Lead X Mercury X Zinc X Other X
Silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E481

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill __ Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone X Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline 1 Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) __

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E482

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 10.4
6 x 1.2 x 1.2 x 1.2 x 1 x 1 =

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 30.0
9 x 1.2 x 1.2 x 1.2 x 1 x 1.8 =

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts - Coronado NF
Primary Name: "Happy Jack Mine" - (on topo)
Alternate Name: _____
MASDB MILS Table Sequence number: _____
Date of Report: 9/93 Sample number(s): SR 788 - SR794

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 15E Section: 16 & 21
Latitude: 31°36'08" Longitude: 110°49'12" Elevation (ft): 5,000 - 5,400
7.5' or 15' Quadrangle Map Name: Patagonia Scale: 1:24,000
Mining or Mineral District: Wrightson mining district

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury X Zinc X Other ___

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect X
Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __
Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __
No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __
Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __
Large (over 1,000,000 st) __

E483

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __
Leach __ CIP __ Cyanidation __ Stamp __ Flotation __
Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __
Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X
Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __
Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __
Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __
Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __
Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __
Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) y
Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __
Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __
Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __
Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft) 2 adits 100 and 130 ft long
Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) y

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing X Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country X

There is a habitation < 1/2 mi from the site (y/n) __

E484

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = ~~15.55~~ 20.74
6 ~~10~~ 2 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = ~~19.44~~ 25.92
9 ~~10~~ 2 1.2 1.2 1 1

PRIORITY

Sites will be ranked for each mountain range. The FS is presently unde the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examine in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to b examined.

The category for this site is A.

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: St. Rita Mts

Primary Name: Merry Widow

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR-516

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 14E Section: 2

Latitude: 31° 37' 38" N Longitude: 110° 52' 25" W Elevation (ft): 4920

(7.5') or 15' Quadrangle Map Name: Mt. Wrightson Scale: 1/24000

(Mining) or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury __ Zinc X Other ___ Silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E485

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

55 ft. Adit and flooded shaft.

WATER

Are bodies of water found on or near the site? (y/n) y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) y

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled X Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E486

OTHER

Are any of the following other features present?: Unk.

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 2 12 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 25.9
5 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mountains

Primary Name: Helena Mine area

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 9-23

LOCATION DATA

State: AZ County: Pima Township: 18S Range: 16E Section: 9, 16

Latitude: N315230 Longitude: W1104230 Elevation (ft): 4680 ft.

7.5' or 15' Quadrangle Map Name: Mount Fagan, Empire Ranch Scale: 1:24000

Mining or Mineral District: Helvetia - Rosemont

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury __ Zinc __ Other X silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E487

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 5 Decline X Shaft X Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed X Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

adit Length 140 x Width ___ x Height ___

WATER

Are bodies of water found on or near the site? (y/n) X

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E488

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7
6 x 2 x 1.2 x 1.2 x 1 x 1.2 =

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 25.9
5 x 2 x 1.2 x 1.2 x 1 x 1.8 =

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts.

Primary Name: Golden Gate Mine

Alternate Name: (AMERCO; Arrastra and Golden Gate groups)

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 126-130

LOCATION DATA

State: AZ County: PIMA Township: 19S Range: 15E Section: 12

Latitude: N31° 48'07" Longitude: W 110° 45' 38" Elevation (ft): 5120

7.5' or 15' Quadrangle Map Name: Helvetia Scale: 1:24000

Mining or Mineral District: Helvetia - Rosemont

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury X Zinc X Other X
Silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E489

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena X Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone X Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline X Shaft 3 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed X Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Adit Length ____ x Width ____ x Height 500

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) Y

If water is present, how does it occur?:

Standing __ Filled X Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E490

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 17.3
6 x 2 x 1.2 x 1.2 x 1 x 1 =

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7
9 x 2 x 1.2 x 1.2 x 1 x 1.85

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts

Primary Name: Bonanza Mine

Alternate Name: (Devil's Cash Box group, Orosco, Veta Grande)

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR363-364, and 371-382

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 14E Section: 18,19

Latitude: N31°41'30" Longitude: W110°56'48" Elevation (ft): 4180

(7.5) or 15' Quadrangle Map Name: Mt. Hopkins Scale: 1:24000

(Mining) or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury X Zinc X Other ___ silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E491

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite X

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone X Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline __ Shaft X Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed X Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

shaft Length ___ x Width ___ x Height 70

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other Spring and well

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E493

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 17.3
6 x 2 x 1.2 x 1.2 x 1 x 1

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7
9 x 2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts.

Primary Name: Snyder Mine

Alternate Name: (Conglomerate, A.W.A., Aurum, Silver Moon, Reese, Anderson, Colossa, Sonoita)

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 229-249

LOCATION DATA

State: AZ County: PIMA/Santa Cruz Township: 19S Range: 15E Section: 36

Latitude: 31° 43' 58" Longitude: 110° 45' 42" Elevation (ft): 5400

(7.5) or 15' Quadrangle Map Name: Mt. Wrightson Scale: 1:24000

(Mining) or Mineral District: Greaterville

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium X Copper X Lead X Mercury X Zinc X Other X silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E493

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena X Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone X Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 5 Decline __ Shaft 7 Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed X Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Shaft Length ____ x Width ____ x Height >100

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E494

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 17.3
6 x 2 x 1.2 x 1.2 x 1 x 1

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7
9 x 2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts

Primary Name: Montosa Mine? (Shaft outside patented claims)

Alternate Name: (Amado Mine, Poulte O Mine)?

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR405-417

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 14E Section: 29

Latitude: N31°40'05" Longitude: W110°56'00" Elevation (ft): 4720

(7.5) or 15' Quadrangle Map Name: Mt. Hopkins Scale: 1:24000

(Mining) or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury __ Zinc X Other ___ silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E495

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite X

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone X Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed X Standing __ Empty __ Rotten Cribbing __

Unstable Wall X Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road X 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E496

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 17.3
6 x 2 x 1.2 x 1.2 x 1 x 1 =

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.1
8 x 2 x 1.2 x 1.2 x 1 x 2

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts

Primary Name: Santa Rita No. 26

Alternate Name: (Muhelm Grafen group)

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 112-114

LOCATION DATA

State: AZ County: PIMA Township: 18S Range: 15E Section: 36

Latitude: N31°49'44" Longitude: W110°45'35" Elevation (ft): 5400

(7.5') or 15' Quadrangle Map Name: Helvetia Scale: 1:24000

(Mining) or Mineral District: Helvetia - Rosemont

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury __ Zinc X Other X silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E497

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone X Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Shaft Length ____ x Width ____ x Height 100

WATER

Are bodies of water found on or near the site? (y/n) __

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E498

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 17.3
6 x 2 x 1.2 x 1.2 x 1 x 1 =

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 41.5
8 x 2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: St. Rita Mts.

Primary Name: Unamed

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR518

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 14E Section: 11

Latitude: 31°37'28"N Longitude: 110°52'38"W Elevation (ft): 4500

7.5' or 15' Quadrangle Map Name: San Cayetano Mts Scale: 1/24000

Mining or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury X Zinc X Other ___ Silver X

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E499

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline __ Shaft X* Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____ * May be caved shafts or pits.

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

2 caved shafts or pits
2 adits - 1 flooded and 1 caved.

WATER

Are bodies of water found on or near the site? (y/n) y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) y

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing X Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road X 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E500

OTHER

Are any of the following other features present?: Unk.

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 15.6
6 1.5 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 39.0
9 2

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts - Coronado NF

Primary Name: Armada Mine

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 852-868

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 15E Section: 10

Latitude: 31°37'40" Longitude: 110°48'00" Elevation (ft): 4,800

7.5' or 15' Quadrangle Map Name: Mt. Wrightson Scale: 1:24,000

Mining or Mineral District: Wrightson mining district

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium X Copper X Lead X Mercury X Zinc X Other Silver

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E501

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit X Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) X Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft) adit 20ft long

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) n

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road X 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E502

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 15.55
6 1.5 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 38.88
9 1.5 1.2 1.2 1 2

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts - Coronado NF

Primary Name: St. Louis Mine

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 882 - 888

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 15E Section: 3

Latitude: 31°38'22" Longitude: 110°48'05" Elevation (ft): 4900

7.5' or 15' Quadrangle Map Name: Mt. Wrightson Scale: 1:24,000

Mining or Mineral District: Wrightson mining district

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury X Zinc X Other Silver

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E503

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite X

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft X Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed X Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft) Shaft, 100ft deep

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) y

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing X Filled __ Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road X 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E504

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 15.55
6 1.5 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 38.88
9 1.5 1.2 1.2 1 2

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts - Coronado NF

Primary Name: Little Johnson mine

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR889-898

LOCATION DATA

State: Az County: Santa Cruz Township: 21S Range: 15E Section: 3

Latitude: 31°39'27" Longitude: 110°48'08" Elevation (ft): 4980

7.5' or 15' Quadrangle Map Name: Mt. Wrightson Scale: 1:24,000

Mining or Mineral District: Wrightson mining district

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury X Zinc X Other Silver

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E505

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline __ Shaft 4 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed X Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft) Shaft, 100 ft deep

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) y

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing X Filled __ Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road X 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E506

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 15.55
6 1.5 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 38.88
9 1.5 1.2 1.2 1 2

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts - Coronado NF

Primary Name: Ultimo Mine

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR871-876

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 15E Section: 3

Latitude: 31°37'55" Longitude: 110°47'55" Elevation (ft): 4,720

7.5' or 15' Quadrangle Map Name: Mt. Wrightson Scale: 1:24,000

Mining or Mineral District: Wrightson mining district

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury X Zinc X Other Silver

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E507

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit X Decline __ Shaft X Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed X Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) n

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road X 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E508

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 19.55
6 1.5 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 38.88
9 1.5 1.2 1.2 1 2

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts - Coronado NF

Primary Name: Double Header Mine

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR869-870

LOCATION DATA

State: Az County: Santa Cruz Township: 21S Range: 15E Section: 10

Latitude: 31°37' 48" Longitude: 110°48' 00" Elevation (ft): 4,750

7.5' or 15' Quadrangle Map Name: Mt. Wrightson Scale: 1:24,000

Mining or Mineral District: Wrightson mining district

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury X Zinc X Other Silver

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E509

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena X Marcasite __ Sphalerite X

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline X Shaft X Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft) Shaft reported to be 100ft deep - non-flooded

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) y

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing X Filled X Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road X 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E 510

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 15.55
6 1.5 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 38.88
9 1.5 1.2 1.2 1 2

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: St. Rita Mts.

Primary Name: Silver King Mine

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 474-477

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 14E Section: 25

Latitude: 31° 39' 35" N Longitude: 110° 51' 48" W Elevation (ft): 5600

(7.5') or 15' Quadrangle Map Name: Mt. Wrightson Scale: 1/24000

(Mining) or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury X Zinc X Other Ag

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E 511

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena X Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit X Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) n

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

Adit - 200ft.

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) n

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E512

OTHER

Are any of the following other features present?: Unk

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 156
6 1.5 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 35.0
9 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: St. Rita Mts

Primary Name: Unamed

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 521-522

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 14E Section: 11

Latitude: 31°36'54"N Longitude: 110°52'27"W Elevation (ft): 4680

(7.5') or 15' Quadrangle Map Name: Patagonia Scale: 1/24000

(Mining) or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium X Copper X Lead X Mercury X Zinc X Other Silver X

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E513

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena X Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 2 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) n

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed X Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

2 caved shafts

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) n

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E514

OTHER

Are any of the following other features present?: Unk.

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 15.6
6 1.5 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 350
9 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: St. Rita Mts

Primary Name: Grey Fox

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 491-492

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 14E Section: 35

Latitude: 31°38'35"N Longitude: 110°52'22"W Elevation (ft): 5200

(7.5) or 15' Quadrangle Map Name: mt Wrightson/mt. Hopkins Scale: 1/24000

(Mining) or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury X Zinc X Other Ag

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E515

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena X Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) n

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

Prospects and a flooded shaft.

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled X Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E516

OTHER

Are any of the following other features present?: Unk.

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 15.6
6 1.5 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 35.0
9 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: St. Rita Mts.

Primary Name: Unamed (Part of Rosario Group?)

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 610-619

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 15E Section: 20

Latitude: 31°35'42"N Longitude: 110°50'20"W Elevation (ft): 5120-5300

7.5' or 15' Quadrangle Map Name: Patagonia Scale: 1/24000

Mining or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium X Copper X Lead X Mercury X Zinc X Other ___ Silver X

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect X Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E517

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite X

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline __ Shaft 2 Glory Hole __ Small Pit or Trench (< 10 ft) 3

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved X Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

Adit (2) Caved at 80ft, <20ft
Shaft (2) <20ft deep

WATER

Are bodies of water found on or near the site? (y/n) y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) n

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E518

OTHER

Are any of the following other features present?: Unk

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 15.6
6 1.5 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 35.0
9 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: St. Rita Mts

Primary Name: R&R prospect

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 453-456

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 14E Section: 22

Latitude: 30°40'22"N Longitude: 110°53'25"W Elevation (ft): 6200

(7.5') or 15' Quadrangle Map Name: Mt Hopkins Scale: 1/24000

(Mining) or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury __ Zinc X Other Ag

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E519

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) n

Mark all conditions that apply:

Open to Entry X Partly Caved X Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

2 Adits · 20ft and caved at 14ft.

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) n

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road X 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E520

OTHER

Are any of the following other features present?: Unk.

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: [1]If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 15.6
6 x 1.5 x 1.2 x 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 34.6
8 2

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: St. Rita Mts

Primary Name: Unamed

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR-501

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 14E Section: 2

Latitude: 31°37'55" N Longitude: 110° 52' 50" W Elevation (ft): 5060

(7.5') or 15' Quadrangle Map Name: Mt. Hopkins Scale: 1/24000

(Mining) or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury __ Zinc X Other Ag

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E521

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 2 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) n

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

2 flooded shafts.

WATER

Are bodies of water found on or near the site? (y/n) n

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) y

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled X Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road X 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

OTHER

Are any of the following other features present?: Unk.

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 15.6
6 1.5 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 346
8 2

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

[1]Within a table, take only the highest value as the total value for that table.

M522

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: St. Rita Mts

Primary Name: BJ No. 1 Claim

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 443

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 14E Section: 21

Latitude: 31°40'35"N Longitude: 110°55'02"W Elevation (ft): 5000

(7.5') or 15' Quadrangle Map Name: Mt. Hopkins Scale: 1/24000

(Mining) or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium X Copper __ Lead X Mercury __ Zinc __ Other Ag

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E523

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft X Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) __

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other Flooded

Size of Feature (ft)

Length ____ x Width ____ x Height ____

Flooded Shaft

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled X Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

E524

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

OTHER

Are any of the following other features present?: Unk

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 15.6
6 1.5 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 311
8 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: St. Rita Mts

Primary Name: Unamed

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 494-499

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 14E Section: 2

Latitude: 31°38'18" Longitude: 110°53'10" Elevation (ft): 5100-5280

(7.5') or 15' Quadrangle Map Name: Mt. Hopkins Scale: 1/24000

(Mining) or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium X Copper X Lead X Mercury __ Zinc X Other Ag

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E 525

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) 1 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry __ Partly Caved X Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

2 Adits - One caved at face and one 30ft long
Opencut - 100ft long with shaft

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E526

OTHER

Are any of the following other features present?: Unk

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 15.6
6 1.5 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 3161
8 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: St. Rita Mts

Primary Name: Josephine

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR-493

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 14E Section: 2

Latitude: 31°38'24"N Longitude: 110°52'53"W Elevation (ft): 5000

7.5' or 15' Quadrangle Map Name: Mt. Hopkins Scale: 1/24000

Mining or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium X Copper X Lead X Mercury __ Zinc X Other Ag

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E527

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) n

Mark all conditions that apply:

Open to Entry __ Partly Caved X Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

1 caved adit

WATER

Are bodies of water found on or near the site? (y/n) X

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) n

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E528

OTHER

Are any of the following other features present?: Unk

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 15.6
6 1.5 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 31.1
8 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: St. Rita Mts.

Primary Name: Mineral West (part of Alto Group)

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 523

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 14E Section: 11

Latitude: 31°36'55" Longitude: 110°52'18"W Elevation (ft): 4780

(7.5') or 15' Quadrangle Map Name: Patagonia Scale: 1/24000

(Mining) or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead X Mercury __ Zinc X Other ___ Silver X

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E529

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) n

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed X Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

2 caved Adits

WATER

Are bodies of water found on or near the site? (y/n) y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) n

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E530

OTHER

Are any of the following other features present?: Unk

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 15.6
6 (As) 1.5 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 31.1
8 (Pb) 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: St. Rita Mts.

Primary Name: Ramon Prospect

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 541-545

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 14E Section: 12

Latitude: 31°37'12"N Longitude: 110°51'28"W Elevation (ft): 5600

7.5' or 15' Quadrangle Map Name: Patagonia Scale: 1/24000

(Mining) or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury __ Zinc X Other __ Silver X

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E531

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft 2 Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) y

Mark all conditions that apply:

Open to Entry __ Partly Caved X Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

Adit - caved
Shafts (2) - 50ft each

WATER

Are bodies of water found on or near the site? (y/n) y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) n

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E532

OTHER

Are any of the following other features present?: Unk

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 15.6
6 (Ag) 1.5 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 31.1
8 (Cd) 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: St. Rita Mts

Primary Name: Unamed (Part of Breathen group?)

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR444-445

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 14E Section: 21

Latitude: 31° 40' 55" N Longitude: 110° 54' 43" W Elevation (ft): 5400

(7.5') or 15' Quadrangle Map Name: Mt Hopkins Scale: 1/24000

(Mining) or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium X Copper __ Lead X Mercury __ Zinc X Other Ag

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E533

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) n

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

1 adit - 50ft

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) n

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E534

OTHER

Are any of the following other features present?: Unk.

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 15.6
6 15 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 31.1
8 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: St. Rita Mts.

Primary Name: Ellen Della and Vanzella prospects

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 707-715

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 15E Section: 35

Latitude: 31° 33' 34"N Longitude: 110° 47' 22"W Elevation (ft): 4500

(7.5') or 15' Quadrangle Map Name: Patagonia Scale: 1/24000

(Mining) or Mineral District: Wrightson

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury X Zinc X Other ___ Silver X

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E535

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

Adit - 80ft
Shaft - 40ft - flooded to 17ft.

WATER

Are bodies of water found on or near the site? (y/n) y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) y

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled X Flowing __ Intermittent __
Shaft

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site X Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E536

OTHER

Are any of the following other features present?: Unk

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 15.6
6 1.5 1.2 1.2 1 1.2
Hg

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 27.2
9 1.4
Hg

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: St. Rita Mts.

Primary Name: Cowboys Dream Mine & area

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR620-649

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 15E Section: 26

Latitude: 31°34'51"N Longitude: 110°48'45"W Elevation (ft): 4800-5400

(7.5') or 15' Quadrangle Map Name: Patagonia Scale: 1/24000

(Mining) or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury X Zinc X Other ____ Silver X

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E537

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill __ Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 3 Decline __ Shaft 4 Glory Hole __ Small Pit or Trench (< 10 ft) 7

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved X Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

Shafts (4) - 25ft, 30ft, Flooded at 4 and 30ft
Adits (3) 160ft, 807ft, 30ft.

WATER

Are bodies of water found on or near the site? (y/n) y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) y

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled X Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site X Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E538

OTHER

Are any of the following other features present?: Unk.

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 15.6
6 1.5 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 27.2
9 1.4

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: St. Rita Mts

Primary Name: Unamed

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR-700-701

LOCATION DATA

State: AZ County: Santa Cruz Township: 22S Range: 15E Section: 2

Latitude: 31°33'07"N Longitude: 110°47'20"W Elevation (ft): 4500

(7.5') or 15' Quadrangle Map Name: Patagonia Scale: 1/24000

(Mining) or Mineral District: Wrightson

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead __ Mercury __ Zinc X Other ___
Silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E539

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 2 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) __

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other 1 shaft flooded

Size of Feature (ft)

Length ____ x Width ____ x Height ____

Shafts (2) - 30ft deep, 50ft to water.

WATER

Are bodies of water found on or near the site? (y/n) y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) y

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled X Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site X Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E540

OTHER

Are any of the following other features present?: Unk.

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 15.6
6 1.5 1.2 1.2 1 1.2
A_9

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 21.2
7 1.4
A_3

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: St Rita Mts.

Primary Name: Three Star Prospect

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR-515

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 14E Section: 2

Latitude: 31°37'37"N Longitude: 110°52'00"W Elevation (ft): 5400

7.5' or 15' Quadrangle Map Name: Mt. Wrightson Scale: 1/24000

Mining or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury __ Zinc X Other Ag

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E541

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry __ Partly Caved X Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

Caved adit and flooded shaft.

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E542

OTHER

Are any of the following other features present?: Ukn.

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 15.5
6 1.5 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 31.1
8 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts

Primary Name: Duranium Claim

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR383

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 14E Section: 19

Latitude: N31°40'13" Longitude: W110°50'45" Elevation (ft): 4320

7.5' or 15' Quadrangle Map Name: Mt. Hopkins Scale: 1:24000

Mining or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead X Mercury __ Zinc __ Other ____

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface X Underground __ Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E543

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone X Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large ~~Pit~~ Opencut (> 10 ft) X Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed X

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Opencut Length 75 x Width 10-15 x Height 6-10

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E544

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 14.4
5 X 2 X 1.2 X 1.2 X 1 X 1

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 41.5
8 X 2 X 1.2 X 1.2 X 1 X 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: St. Rita Mts

Primary Name: Unamed

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR-507-509

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 14E Section: 1

Latitude: 31°37'54"N Longitude: 110°51'58"W Elevation (ft): 5200-5600

7.5' or 15' Quadrangle Map Name: Mt Wrightson Scale: 1/24000

Mining or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury __ Zinc X Other Ag

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E545

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) 2 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry __ Partly Caved X Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

1 adit caved at 150 ft.
2 [illegible] - 16ft and 25ft

WATER

Are bodies of water found on or near the site? (y/n) y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) n

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E596

OTHER

Are any of the following other features present?: Unk.

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 13.0
6 1.5 1.2 1.2 1 1

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 31.1
8 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts

Primary Name: Unnamed

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR384-389

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 14E Section: 30

Latitude: N31°39'55" Longitude: W110°57'28" Elevation (ft): 4000

7.5' or 15' Quadrangle Map Name: Mt. Hopkins Scale: 1:24000

Mining or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead __ Mercury X Zinc X Other Silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E547

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft X Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry Y Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

shafts Length ____ x Width ____ x Height 215

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E548

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4
6 x 1.2 x 1.2 x 1.2 x 1 x 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 34.0
9 x 1.2 x 1.2 x 1.2 x 1.2 x 1.8 =

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B

[1]Within a table, take only the highest value as the total value for that table.

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts — Coronado NF

Primary Name: Dragon Z Mine

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR806-820

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 15E Section: 15

Latitude: 31°36'38" Longitude: 110°47'52" Elevation (ft): _____

7.5' or 15' Quadrangle Map Name: Patagonia Scale: 1:24,000

Mining or Mineral District: Wrightson mining district

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium X Copper X Lead X Mercury X Zinc X Other ____ Silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E549

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline __ Shaft 2 Glory Hole __ Small Pit or Trench (< 10 ft) dozen

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft) add 100 ft by

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) y

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing X Filled X Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road X 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E550

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.

[1]EH = A x B x C x D x E x F = 12.44
6 1.2 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 31.10
9 1.2 1.2 1.2 1 2

PRIORITY

Sites will be ranked for each mountain range. The FS is presently unde the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examine in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to b examined.

The category for this site is B.

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts. - Coronado NF

Primary Name: Copper Mountain

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR847-851

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 15E Section: 10

Latitude: 31°37'36" Longitude: 110°47'50" Elevation (ft): 4720

7.5' or 15' Quadrangle Map Name: Mt. Wrightson Scale: 1:24,000

Mining or Mineral District: Wrightson mining district

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury X Zinc X Other ____ Silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E551

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft) adit 190 ft long

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) n

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road X 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E552

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.44
6 1.2 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 31.10
9 1.2 1.2 1.2 1 2

PRIORITY

Sites will be ranked for each mountain range. The FS is presently unde the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examine in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to b examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts.

Primary Name: Taylor Prospect

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 93-97

LOCATION DATA

State: AZ County: PIMA Township: 18 S Range: 15E Section: 25

Latitude: N 31° 50' 24" Longitude: W 110° 45' 20" Elevation (ft): 5400

(7.5) or 15' Quadrangle Map Name: Helvetia Scale: 1:24000

(Mining) or Mineral District: Helvetia - Rosemont

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury X Zinc X Other X
silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E553

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline X Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) 2

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Adit Length 80 x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E554

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4
6 x 1.2 x 1.2 x 1.2 x 1 x 1.2 =

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 30.0
9 x 1.2 x 1.2 x 1.2 x 1 x 1.8 =

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mountains

Primary Name: Curtice Mine (part of Frijole Claim group)

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 58-63

LOCATION DATA

State: AZ County: PIMA Township: 18S Range: 15E Section: 24

Latitude: N31°51'01" Longitude: W110°46'21 Elevation (ft): 4800

7.5' or 15' Quadrangle Map Name: Helvetia Scale: 1:24000

Mining or Mineral District: Helvetia-Rosemont

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury X Zinc X Other X silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E555

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 5 Decline X Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed X Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Adit Length 100 x Width ___ x Height ___

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E556

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4
6 x 1.2 x 1.2 x 1.2 x 1 x 1.2 =

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 30.0
9 x 1.2 x 1.2 x 1.2 x 1 x 1.8 =

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

new

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts

Primary Name: Old Madera Mine

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 283-284

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 14E Section: 12

Latitude: 31°42'22" Longitude: 110°51'31" Elevation (ft): 6640

(7.5') or 15' Quadrangle Map Name: Mt. Wrightson Scale: 1:24000

(Mining) or Mineral District: Old Baldy

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury X Zinc X Other X
silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E557

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed X Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream X River __ Pond __ Intermittent Stream X Lake __ Bay __

Other Spring

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E558

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4
6 x 1.2 x 1.2 x 1.2 x 1 x 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0
9 x 1.2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mountains

Primary Name: Unnamed Prospects

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 140-142

LOCATION DATA

State: AZ County: PIMA Township: 19S Range: 15E Section: 14,15

Latitude: N31°46'34" Longitude: W110°47'19" Elevation (ft): 6100

(7.5') or 15' Quadrangle Map Name: Helvetia Scale: 1:24000

(Mining) or Mineral District: Greaterville

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium X Copper X Lead X Mercury X Zinc X Other ✓ silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E559

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 2 Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed X Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) Y

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E 560

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4
6 x 1.2 x 1.2 x 1.2 x 1 x 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0
9 x 1.2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts - Coronado NF

Primary Name: Silver Cave

Alternate Name: Wasp(3)

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 840-846

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 15E Section: 10

Latitude: 31°39'30" Longitude: 110°47'30" Elevation (ft): 5,000

7.5' or 15' Quadrangle Map Name: Patagonia and Mt. Wrightson Scale: 1:24,000

Mining or Mineral District: Wrightson mining district

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury X Zinc X Other ____

Status of Operation: Silver X

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown X

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E561

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit X Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft) adit 280ft long; shaft flooded at 25ft deep

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) y

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing X Filled __ Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E562

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.44
6 1.2 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 27.99
9 1.2 1.2 1.2 1 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mountains

Primary Name: Unnamed Prospect

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 152-153

LOCATION DATA

State: AZ County: PIMA Township: 19 S Range: 15E Section: 23

Latitude: N31°45'54" Longitude: W110°46'35" Elevation (ft): 5760

7.5' or 15' Quadrangle Map Name: Helvetia Scale: 1:24000

Mining or Mineral District: Greaterville

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury X Zinc X Other X silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E563

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Adit Length 42 x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond X Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E564

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4
6 x 1.2 x 1.2 x 1.2 x 1 x 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0
9 x 1.2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently unde: the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examine in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to b examined.

The category for this site is B.

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mountains

Primary Name: Keith

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 154-158

LOCATION DATA

State: AZ County: PIMA Township: 19S Range: 15E Section: 23

Latitude: N31°45'42" Longitude: W110°46'44" Elevation (ft): 5680

7.5' or 15' Quadrangle Map Name: Helvetia Scale: 1:24000

Mining or Mineral District: Greaterville

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury X Zinc X Other X silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E565

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline X Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Shaft Length ___ x Width ___ x Height 35

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond X Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E566

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4
6 x 1.2 x 1.2 x 1.2 x 1 x 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0
9 x 1.2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mountains

Primary Name: Gold Buck

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 173-182

LOCATION DATA

State: AZ County: PIMA Township: 19S Range: 15E Section: 25

Latitude: N31°45'28" Longitude: W110°46'29" Elevation (ft): 5600

7.5' or 15' Quadrangle Map Name: Helvetia Scale: 1:24000

Mining or Mineral District: Greaterville

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury X Zinc X Other X
Silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E567

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena X Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 4 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed X Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Adit Length 415 x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E568

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4
6 x 1.2 x 1.2 x 1.2 x 1 x 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0
9 x 1.2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently unde the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examine in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to b examined.

The category for this site is B.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mountains

Primary Name: Unnamed prospects

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 183-185

LOCATION DATA

State: AZ County: PIMA Township: 19S Range: 15E Section: 25

Latitude: N31°45'27" Longitude: W110°45'54" Elevation (ft): 5720

(7.5') or 15' Quadrangle Map Name: Helvetia Scale: 1:24000

(Mining) or Mineral District: Greaterville

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury X Zinc X Other X silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E569

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) X

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed X Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E570

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4
6 x 1.2 x 1.2 x 1.2 x 1 x 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0
9 x 1.2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently unde the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examine in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to b examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mountains

Primary Name: Silver Leaf

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 186-190

LOCATION DATA

State: AZ County: PIMA Township: 19S Range: 15E Section: 25

Latitude: N31° 45'28" Longitude: W110° 45'58" Elevation (ft): 5720

(7.5') or 15' Quadrangle Map Name: Helvetia Scale: 1:24000

(Mining) or Mineral District: Greaterville

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury X Zinc X Other X
Silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E571

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline 1 Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

shaft Length ___ x Width ___ x Height 25

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E572

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4
6 x 1.2 x 1.2 x 1.2 x 1 x 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0
9 x 1.2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts.

Primary Name: Unnamed

Alternate Name: (May have been part of Florida Mine group in Old Baldy district)

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 218 - 224

LOCATION DATA

State: AZ County: PIMA Township: 19S Range: 15E Section: 29

Latitude: 31°44'55" Longitude: 110°49'45" Elevation (ft): 5800

(7.5') or 15' Quadrangle Map Name: Mt. Wrightson Scale: 1:24000

(Mining) or Mineral District: Greaterville

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium X Copper X Lead X Mercury X Zinc X Other X silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E573

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 3 Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed X Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Adit Length 185 x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E574

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4
6 x 1.2 x 1.2 x 1.2 x 1 x 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0
9 x 1.2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts.

Primary Name: Aliso Springs Prospect

Alternate Name: (Santa Rita, El Rey, Aliso, Elisa)

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR225-228

LOCATION DATA

State: AZ County: PIMA Township: 19S Range: 15E Section: 34

Latitude: 31°44'10" Longitude: 110°47'58" Elevation (ft): 5800

(7.5) or 15' Quadrangle Map Name: Mt. Wrightson Scale: 1:24000

(Mining) or Mineral District: Greaterville

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc X Other X silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E575

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed X Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Adit Length 40 x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other Spring

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E576

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4
6 x 1.2 x 1.2 x 1.2 x 1 x 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0
9 x 1.2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts.

Primary Name: Royal Mountain Mine

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR205-210

LOCATION DATA

State: AZ County: PIMA Township: 19S Range: 15E Section: 26

Latitude: N31° 45' 06" Longitude: W110° 46' 30" Elevation (ft): 5480

(7.5') or 15' Quadrangle Map Name: Helvetia Scale: 1:24000

(Mining) or Mineral District: Greaterville

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury X Zinc X Other X silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E577

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline X Shaft X Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed X Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Shaft Length ____ x Width ____ x Height 45

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E578

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4
6 x 1.2 x 1.2 x 1.2 x 1 x 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0
9 x 1.2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mountains

Primary Name: Zec Kendorf

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 191-192

LOCATION DATA

State: AZ County: PIMA Township: 19S Range: 15E Section: 25

Latitude: N31°45'38" Longitude: W110°45'58" Elevation (ft): 5600

(7.5') or 15' Quadrangle Map Name: Helvetia Scale: 1:24000

(Mining) or Mineral District: Greaterville

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium X Copper X Lead X Mercury X Zinc X Other X
silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E579

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline 1 Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Shaft Length ____ x Width ____ x Height 100

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond X Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E580

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4
6 X 1.2 X 1.2 X 1.2 X 1 X 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0
9 X 1.2 X 1.2 X 1.2 X 1 X 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mountains

Primary Name: Gold Ledge

Alternate Name: (Keith Group)

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 160-169

LOCATION DATA

State: AZ County: PIMA Township: 19S Range: 15E Section: 23

Latitude: N31°45'38" Longitude: W110°46'50" Elevation (ft): 5720

(7.5') or 15' Quadrangle Map Name: Helvetia Scale: 1:24000

(Mining) or Mineral District: Greaterville

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury X Zinc X Other X silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E581

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit X Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other winzes

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) __

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed X Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) X

Please mark with an X all that apply:

Stream __ River __ Pond X Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E582

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4
6 x 1.2 x 1.2 x 1.2 x 1 x 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0
9 x 1.2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently unde: the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examine in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to b examined.

The category for this site is B.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts - Coronado NF

Primary Name: Unnamed

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/97 Sample number(s): SR 746-748

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 15E Section: 35

Latitude: 31°34'18" Longitude: 110°47'18" Elevation (ft): 4400

7.5' or 15' Quadrangle Map Name: Patagonia Scale: 1:24,000

Mining or Mineral District: Wrightson mining district

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper __ Lead X Mercury X Zinc X Other ___ Silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E583

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft X Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) n

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other Flooded

Size of Feature (ft) Shaft (currently flooded) depth at least 30 ft

Length ____ x Width ____ x ~~Height~~ ____

WATER

Are bodies of water found on or near the site? (y/n) n

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) y

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled X Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E584

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.44
6 1.2 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 27.99
9 1.2 1.2 1.2 1 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts - Coronado NF

Primary Name: Unnamed

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR932-934

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 15E Section: 8

Latitude: 31°30'15" Longitude: 110°50'28" Elevation (ft): 5,400

7.5' or 15' Quadrangle Map Name: Patagonia Scale: 1:24,000

Mining or Mineral District: Wrightson mining district

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury X Zinc X Other Silver

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E585

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit X Decline __ Shaft X Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) __

Mark all conditions that apply:

Open to Entry __ Partly Caved X Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) y

Is water being produced from the feature? (y/n) y

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled X ~~Flowing~~ Seeping X Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E586

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.44
6 1.2 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 27.99
9 1.2 1.2 1.2 1 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts - Coronado NF

Primary Name: unnamed

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 733-745

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 15E Section: 35

Latitude: 31° 34' 08" Longitude: 110° 46' 55" Elevation (ft): 4,200 - 4,500 ft

7.5' or 15' Quadrangle Map Name: Patagonia Scale: 1:24,000

Mining or Mineral District: Wrightson mining district

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury __ Zinc X Other Silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface X Underground X Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E 587

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline __ Shaft 7 Glory Hole __ Small Pit or Trench (< 10 ft) Decl

Large ~~Pit~~ trench (> 10 ft) 1 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed X Partly Collapsed X Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft) deepest shaft

Length ____ x Width ____ x ~~Height~~ depth 50 ft

WATER

Are bodies of water found on or near the site? (y/n) y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) y

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing X Filled __ Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road X 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E588

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.44
6 1.2 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 27.65
8 1.2 1.2 1.2 1 2

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts - Coronado NF

Primary Name: Sos Burrito Prospect

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 821

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 15E Section: 14

Latitude: 31°36'28" Longitude: 110°47'25" Elevation (ft): 4,480

7.5' or 15' Quadrangle Map Name: Patagonia Scale: 1:24,000

Mining or Mineral District: Wrightson mining district

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead X Mercury __ Zinc X Other ___

Silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E589

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit X Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) n

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft) adit, 25 ft long

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) n

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road X 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E590

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.44
6 1.2 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 27.65
8 1.2 1.2 1.2 1 2

PRIORITY

Sites will be ranked for each mountain range. The FS is presently unde the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examine in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to b examined.

The category for this site is B.

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts. - Coronado NF

Primary Name: Unnamed

Alternate Name: near east end of Mansfield Group

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 822-839

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 15E Section: 10

Latitude: 31°37'00" Longitude: 110°47'40" Elevation (ft): 4550-4750

7.5' or 15' Quadrangle Map Name: Patagonia Scale: 1:24,000

Mining or Mineral District: Wrightson mining district

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead X Mercury __ Zinc X Other ____

Silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown X

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E591

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena X Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 4 Decline 1 Shaft 5 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) y

Mark all conditions that apply:

Open to Entry X Partly Caved X Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed X Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft) one adit, 240ft long ; one shaft flooded at 50ft deep

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) y

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing X Filled X Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road X 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E592

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.44
6 1.2 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 27.65
8 1.2 1.2 1.2 1 2

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

new

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts

Primary Name: Star Pointer Mine

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 272-273

LOCATION DATA

State: AZ County: PIMA Township: 19S Range: 15E Section: 19

Latitude: 31°46' 15" Longitude: 110°51'11" Elevation (ft): 4200

(7.5') or 15' Quadrangle Map Name: Helvetia Scale: 1:24000

(Mining) or Mineral District: Old Baldy

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury __ Zinc X Other X silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E593

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill __ Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide X Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 2 Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) __

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

shaft Length ____ x Width ____ x Height 25

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road X 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E594

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4
6 x 1.2 x 1.2 x 1.2 x 1 x 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 27.6
8 x 1.2 x 1.2 x 1.2 x 1 x 2

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

new

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts

Primary Name: Sun Lode Claim group

Alternate Name: (Molybdenite, Morales, and McCleary Prospects)

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 278

LOCATION DATA

State: AZ County: PIMA Township: 20S 19S Range: 14E 14E Section: 2 26,35

Latitude: 31°44'13" Longitude: 110°52'54" Elevation (ft): 4580

(7.5') or 15' Quadrangle Map Name: Mt. Hopkins Scale: 1:24000

(Mining) or Mineral District: Old Baldy

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury __ Zinc __ Other ___ silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E595

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide X Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

adit Length 250 x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream X River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road X 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E596

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4
6 x 1.2 x 1.2 x 1.2 x 1 x 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 27.6
8 x 1.2 x 1.2 x 1.2 x 1 x 2

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts.

Primary Name: Santa Rita Group

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 104-107

LOCATION DATA

State: AZ County: PIMA Township: 18S Range: 15E Section: 25

Latitude: N31°50'03" Longitude: W110°45'18" Elevation (ft): 5240

7.5' or 15' Quadrangle Map Name: Helvetia Scale: 1:24000

Mining or Mineral District: Helvetia - Rosemont

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury __ Zinc X Other X silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E597

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill __ Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide X Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline __ Shaft X Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) X Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall X Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Trench Length 200 x Width 60 x Height 50

WATER

Are bodies of water found on or near the site? (y/n) __

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E598

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4
6 x 1.2 x 1.2 x 1.2 x 1 x 1.2 =

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 24.9
8 x 1.2 x 1.2 x 1.2 x 1 x 1.8 =

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts

Primary Name: Spear Prospect

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR295

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 14E Section: 11

Latitude: 31°42'00" Longitude: 110°52'31" Elevation (ft): 6240

7.5' or 15' Quadrangle Map Name: Mt. Hopkins Scale: 1:24000

Mining or Mineral District: Old Baldy

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury __ Zinc X Other X silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E599

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide X Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Adit Length 52 x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream X River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other Dam

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E600

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4
6 x 1.2 x 1.2 x 1.2 x 1 x 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 24.9
8 x 1.2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts
Primary Name: Blacksmith Prospect
Alternate Name: _____
MASDB MILS Table Sequence number: _____
Date of Report: 9/93 Sample number(s): SR 308-310

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 14E Section: 10
Latitude: N31°42'01" Longitude: W110°53'32" Elevation (ft): 6580
(7.5') or 15' Quadrangle Map Name: Mt. Hop Kins Scale: 1:24000
(Mining) or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury __ Zinc X Other X silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __
Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __
Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __
No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __
Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __
Large (over 1,000,000 st) __

E601

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __
Leach __ CIP __ Cyanidation __ Stamp __ Flotation __
Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite __
Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X
Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __
Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft 2 Glory Hole __ Small Pit or Trench (< 10 ft) __
Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __
Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __
Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __
Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __
Collapsed X Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __
Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __
Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Shaft Length ____ x Width ____ x Height 80

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other Spring

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing X Filled __ Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E602

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4
6 x 1.2 x 1.2 x 1.2 x 1 x 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 24.9
8 x 1.2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts

Primary Name: Hermits Home Mine

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 311-314

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 14E Section: 10

Latitude: N31°42'08" Longitude: W110°53'46" Elevation (ft): 6260

(7.5') or 15' Quadrangle Map Name: Mt. Hopkins Scale: 1:24000

(Mining) or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury __ Zinc X Other silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E603

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

shaft Length ____ x Width ____ x Height >25

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing X Filled __ Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E604

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4
6 x 1.2 x 1.2 x 1.2 x 1 x 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 24.9
8 x 1.2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts

Primary Name: Unnamed

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 356-357

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 14E Section: 8

Latitude: N31°42'03" Longitude: W110°56'12" Elevation (ft): 4800

(7.5') or 15' Quadrangle Map Name: Mt. Hopkins Scale: 1:24000

(Mining) or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury __ Zinc X Other X silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E605

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

shaft Length ____ x Width ____ x Height 11

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4
6 x 1.2 x 1.2 x 1.2 x 1 x 1.2 =

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 24.9
8 x 1.2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

[1]Within a table, take only the highest value as the total value for that table.

E606

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts

Primary Name: Jenkins Prospect (?)

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR361-362

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 14E Section: 16

Latitude: N31° 41' 35" Longitude: W110° 54' 36" Elevation (ft): 5320

7.5' or 15' Quadrangle Map Name: Mt. Hopkins Scale: 1:24000

Mining or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead X Mercury __ Zinc X Other X
silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E607

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite X

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Adit Length ____ x Width ____ x Height >40

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E608

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4
6 x 1.2 x 1.2 x 1.2 x 1 x 1.2 =

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 24.9
8 x 1.2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts

Primary Name: Unnamed

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR305

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 14E Section: 11

Latitude: 31°41'59" Longitude: 110°53'06" Elevation (ft): 7290

7.5' or 15' Quadrangle Map Name: Mt. Hopkins Scale: 1:24,000

Mining or Mineral District: Old Baldy

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury __ Zinc X Other X silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E609

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill __ Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline 1 Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

shaft Length ____ x Width ____ x Height >30

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E610

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4
6 x 1.2 x 1.2 x 1.2 x 1 x 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 24.9
8 x 1.2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mountain

Primary Name: Plata Cascabel

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 136-138

LOCATION DATA

State: AZ County: PIMA Township: 19S Range: 15E Section: 14

Latitude: N31° 46' 48" Longitude: W110° 46' 39" Elevation (ft): 5760

7.5' or 15' Quadrangle Map Name: Helvetia Scale: 1:24000

Mining or Mineral District: Greaterville

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury __ Zinc X Other X silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E611

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena X Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline __ Shaft 2 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) X

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Adit Length 80 x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E612

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4
6 x 1.2 x 1.2 x 1.2 x 1 x 1.2 =

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 34.9
8 x 1.2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mountains

Primary Name: Old Tucson Mine Area

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 199-201

LOCATION DATA

State: AZ County: PIMA Township: 19S Range: 15E Section: 25

Latitude: N31°45'28" Longitude: W110°45'32" Elevation (ft): 5480

(7.5) or 15' Quadrangle Map Name: Helvetia Scale: 1:24000

(Mining) or Mineral District: Greaterville

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium X Copper X Lead X Mercury __ Zinc X Other X
silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E613

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena X Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline 1 Shaft 2 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

shaft Length ____ x Width ____ x Height 50

WATER

Are bodies of water found on or near the site? (y/n) __

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E 614

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4
6 X 1.2 X 1.2 X 1.2 X 1 X 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 24.9
8 X 1.2 X 1.2 X 1.2 X 1 X 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts

Primary Name: old Baldy Prospect

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/13 Sample number(s): SR 280

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 14E Section: 1

Latitude: 31°42'58" Longitude: 110°52'08" Elevation (ft): 5600

7.5' or 15' Quadrangle Map Name: Mt. Wrightson Scale: 1:24000

Mining or Mineral District: old Baldy

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury __ Zinc __ Other silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E615

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1? Decline __ Shaft 1? Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed X Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream X River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E616

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4
6 x 1.2 x 1.2 x 1.2 x 1 x 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 24.9
8 x 1.2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts - Coronado NF

Primary Name: Unnamed

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR926 - 930

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 15E Section: 8

Latitude: 31°37'10" Longitude: 110°49'85" Elevation (ft): 5,200

7.5' or 15' Quadrangle Map Name: Patagonia Scale: 1:24,000

Mining or Mineral District: Duquesne mining district

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper __ Lead X Mercury __ Zinc __ Other Silver

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E617

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit X Decline __ Shaft X Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) __

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) y

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing X Filled __ Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.44
6 1.2 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 24.88
8 1.2 1.2 1.2 1 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

E 618

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts

Primary Name: Florida Mine Area

Alternate Name: (Copper King, Invincible; may also have included Unnamed workings at SR 218-224, listed under Greaterville district)

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR271

LOCATION DATA

State: AZ County: PIMA Township: 19S Range: 15E Section: 29, 32

Latitude: 31°44'52" Longitude: 110°50'15" Elevation (ft): 5480

(7.5') or 15' Quadrangle Map Name: Mt. Wrightson Scale: 1:24000

(Mining) or Mineral District: Old Baldy

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury __ Zinc __ Other silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E619

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed X Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) X

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E620

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4
6 x 1.2 x 1.2 x 1.2 x 1 x 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 24.9
8 x 1.2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts

Primary Name: Unnamed Prospect

Alternate Name: (Arrastra and Golden Gate Groups)

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 125

LOCATION DATA

State: AZ County: PIMA Township: 19S Range: 15E Section: 12

Latitude: N 31°48'09" Longitude: W 110°45'58" Elevation (ft): 5120

7.5' or 15' Quadrangle Map Name: Helvetia Scale: 1:24000

Mining or Mineral District: Helvetia - Rosemont

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury __ Zinc X Other ___ silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E621

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill __ Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft X Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) __

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) Y

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E622

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4
6 x 1.2 x 1.2 x 1.2 x 1 x 1.2 =

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 24.9
8 x 1.2 x 1.2 x 1.2 x 1 x 1.8 =

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts

Primary Name: Unnamed

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 401-404

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 14E Section: 20

Latitude: N31°40'42" Longitude: W110° 55' 46" Elevation (ft): 4600

7.5 or 15' Quadrangle Map Name: Mt. Hopkins Scale: 1:24000

Mining or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury __ Zinc X Other X
silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E623

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) X

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed X? Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Shaft Length ____ x Width ____ x Height 20

WATER

Are bodies of water found on or near the site? (y/n) X

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) X

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E624

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4
6 x 1.2 x 1.2 x 1.2 x 1 x 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 24.9
8 x 1.2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts - Coronado NF

Primary Name: Walker Mine

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 948-950

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 15E Section: 28

Latitude: 31°40'15" Longitude: 110°50'00" Elevation (ft): 5900

7.5' or 15' Quadrangle Map Name: Mt Wrightson Scale: 1:24000

Mining or Mineral District: Wrightson mining district

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury __ Zinc X Other Silver

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E625

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft X Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) X Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) __

Mark all conditions that apply:

Open to Entry __ Partly Caved X Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) y

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E626

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.44
6 1.2 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 24.88
8 1.2 1.2 1.2 1 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mountains

Primary Name: Friez Prospect

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 151

LOCATION DATA

State: AZ County: PIMA Township: 19S Range: 15E Section: 23

Latitude: N31°47'02" Longitude: W110°46'02" Elevation (ft): 5520

(7.5') or 15' Quadrangle Map Name: Helvetia Scale: 1:24000

(Mining) or Mineral District: Greaterville

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury __ Zinc __ Other X silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E627

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond X Intermittent Stream X Lake __ Bay __

Other well

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) Y

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E628

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4
6 x 1.2 x 1.2 x 1.2 x 1 x 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 15.6
5 x 1.2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts - Coronado N.F.

Primary Name: Unnamed

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 7/93 Sample number(s): SR 1

LOCATION DATA

State: AZ County: Pima Township: 17S Range: 15E Section: 36

Latitude: N31°54'55" Longitude: W110°45'15" Elevation (ft): 4300

(7.5') or 15' Quadrangle Map Name: Corona De Tucson Scale: 1:24000

(Mining) or Mineral (District): Helvetia - Rosemont

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury __ Zinc X Other X silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E629

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit X Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Adit Length 5 ft x Width ___ x Height ___

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E630

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.44
6 x 1.2 x 1.2 x 1.2 x 1 x 1.2 =

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 15.55
5 x 1.2 x 1.2 x 1.2 x 1 x 1.8 =

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts.

Primary Name: Unnamed

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 2-8

LOCATION DATA

State: AZ County: PIMA Township: 17S Range: 16E Section: 31

Latitude: N31°54'55" Longitude: W110°44'50" Elevation (ft): _____

7.5' or 15' Quadrangle Map Name: Mount Fagan Scale: 1:24000

Mining or Mineral District: Helvetia-Rosemont

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead __ Mercury __ Zinc X Other X silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E631

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 4 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Adit Length 160 x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E632

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.44
6 x 1.2 x 1.2 x 1.2 x 1 x 1.2 =

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 15.55
5 x 1.2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts - Coronado NF

Primary Name: Unnamed

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 716-717

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 15E Section: 34

Latitude: 31°33'35" Longitude: 110°57'45" Elevation (ft): 4700ft

7.5' or 15' Quadrangle Map Name: Patagonia Scale: 1:24,000

Mining or Mineral District: Wrightson mining district

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead __ Mercury __ Zinc X Other __ Silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface X Underground __ Surface and Underground __ Mineral Location __

Placer __ Prospect X Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E633

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ ~~Decline~~ Inclined X Shaft X Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) n

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Shaft Length ____ x Width ____ x ~~Height~~ Depth 10ft

WATER

Are bodies of water found on or near the site? (y/n) n

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) n

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country X

There is a habitation < 1/2 mi from the site (y/n) __

E634

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.44
6 1.2 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 12.10
7 1.2 1.2 1.2 1 .1

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts

Primary Name: Go Devil Group

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 391-400

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 14E Section: 36

Latitude: N31°40'10" Longitude: W110°56'28" Elevation (ft): 4430

7.5' or 15' Quadrangle Map Name: Mt. Hopkins Scale: 1:24000

Mining or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead X Mercury X Zinc X Other ___ silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E635

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone X Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Adit Length ____ x Width ____ x Height 105

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road X 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E636

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 10.4
6 x 1.2 x 1.2 x 1.2 x 1 x 1 =

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 31.1
9 x 1.2 x 1.2 x 1.2 x 1 x 2 =

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts.

Primary Name: Merchant Mine

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 98-102

LOCATION DATA

State: AZ County: PIMA Township: 18S Range: 15E Section: 25

Latitude: N31° 50' 18" Longitude: W110° 45' 24" Elevation (ft): 5400

(7.5') or 15' Quadrangle Map Name: Helvetia Scale: 1:24000

(Mining) or Mineral District: Helvetia - Rosemont

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury X Zinc X Other X silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E637

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone X Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 3 Decline __ Shaft X Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed X Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Adit Length 200 x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) __

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 10.4
6 x 1.2 x 1.2 x 1.2 x 1 x 1 =

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 30.0
9 x 1.2 x 1.2 x 1.2 x 1 x 1.8 =

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts.

Primary Name: Unnamed prospects

Alternate Name: (Muhelm Grafen group?)

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 115-117

LOCATION DATA

State: AZ County: PIMA Township: 18S Range: 15E Section: 36

Latitude: N31°49'07" Longitude: W110°45'57" Elevation (ft): 5680

7.5' or 15' Quadrangle Map Name: Helvetia Scale: 1:24000

Mining or Mineral District: Helvetia - Rosemont

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium X Copper X Lead X Mercury X Zinc X Other X
silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone X Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft X Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) X Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

shaft Length ____ x Width ____ x Height 20

639

WATER

Are bodies of water found on or near the site? (y/n) __

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E640

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 10.4
6 x 1.2 x 1.2 x 1.2 x 1 x 1

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 30.0
9 x 1.2 x 1.2 x 1.2 x 1 x 1.82

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts - Coronado NF

Primary Name: Last Chance Mine

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR776-SR787

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 15E Section: 15

Latitude: 31° 36' 05" Longitude: 110° 48' 25" Elevation (ft): 4,800

7.5' or 15' Quadrangle Map Name: Patagonia Scale: 1:24,000

Mining or Mineral District: Wrightson mining district

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium X Copper X Lead X Mercury X Zinc X Other ___
Silver X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E641

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena __ Marcasite __ Sphalerite X

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft) 2 adits 100 and 150 ft long

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) n

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country X

There is a habitation < 1/2 mi from the site (y/n) n

E642

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20,74
6 2 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 25,92
9 2 1.2 1.2 1 1

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mountains

Primary Name: Unnamed

Alternate Name: (may have been part of Blue Jay Mine claim group)

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 24-31

LOCATION DATA

State: AZ County: PIMA Township: 18S Range: 15E Section: 11

Latitude: N315315 Longitude: W1104634 Elevation (ft): 4100

7.5' or 15' Quadrangle Map Name: Corona De Tucson Scale: _____

Mining or Mineral District: Helvetia - Rosemont

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium X Copper X Lead X Mercury X Zinc X Other X silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E643

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone X Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 3 Decline __ Shaft 4 Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E 644

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 10.4
6 x 1.2 x 1.2 x 1.2 x 1 x 1 =

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 30.0
9 x 1.2 x 1.2 x 1.2 x 1 x 1.8 =

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts.

Primary Name: Billey Sunday Prospect

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 250-254

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 16E Section: 6

Latitude: 31°43'30" Longitude: 110°45'20" Elevation (ft): 5400

(7.5) or 15' Quadrangle Map Name: Mt. Wrightson Scale: 1:24000

(Mining) or Mineral District: Greaterville

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium X Copper X Lead X Mercury X Zinc X Other X silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E645

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone X Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline X Shaft X Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Shaft Length ___ x Width ___ x Height 75

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond X Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E646

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 10.4
6 x 1.2 x 1.2 x 1.2 x 1 x 1

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0
9 x 1.2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts

Primary Name: Agua Calliente Caves

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR365-368

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 14E Section: 18

Latitude: N31°41'15" Longitude: W110°57'31" Elevation (ft): 4000

7.5' or 15' Quadrangle Map Name: Mt. Hopkins Scale: 1:24000

Mining or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead X Mercury X Zinc X Other silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E647

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone X Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 3 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed X Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Adit Length ____ x Width ____ x Height 120

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E648

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 10.4
6 x 1.2 x 1.2 x 1.2 x 1 x 1 =

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0
9 x 1.2 x 1.2 x 1.2 x 1 x 1.8 =

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts

Primary Name: Unnamed

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR369-370

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 14E Section: 19

Latitude: N31°40'52" Longitude: W110°57'25" Elevation (ft): 4000

7.5' or 15' Quadrangle Map Name: Mt. Hopkins Scale: 1:24000

Mining or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury __ Zinc X Other silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E649

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone X Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

shaft Length ____ x Width ____ x Height 13

WATER

Are bodies of water found on or near the site? (y/n) __

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road X 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E650

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 10.4
6 X 1.2 X 1.2 X 1.2 X 1 X 1

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 27.6
8 x 1.2 x 1.2 x 1.2 x 1 x 2

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts

Primary Name: Daniels Mine

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 279

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 14E Section: 1

Latitude: 31°43'30" Longitude: 110°52'12" Elevation (ft): 5280

7.5' or 15' Quadrangle Map Name: Mt. Wrightson Scale: 1:24000

Mining or Mineral District: Old Baldy

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury __ Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E651

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed X Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) X

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E 652

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 10.4
5 x 1.2 x 1.2 x 1.2 x 1 x 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 24.9
8 x 1.2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts.

Primary Name: Unnamed

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR211-215

LOCATION DATA

State: AZ County: PIMA Township: 19S Range: 15E Section: 28

Latitude: N31° 45' 18" Longitude: W110° 48' 51" Elevation (ft): 4760

(7.5') or 15' Quadrangle Map Name: Helvetia Scale: 1:24000

(Mining) or Mineral District: Greaterville

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead X Mercury __ Zinc __ Other Silver X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E653

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone X Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Adit Length 550 x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E654

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 10.4
6 x 1.2 x 1.2 x 1.2 x 1 x 1

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 24.9
8 x 1.2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts - Coronado NF

Primary Name: Unnamed

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 936-937

LOCATION DATA

State: Az County: Santa Cruz Township: 21S Range: 15E Section: 7

Latitude: 31°37'28" Longitude: 110°50'53" Elevation (ft): 5,800

7.5' or 15' Quadrangle Map Name: Patagonia Scale: 1:24,000

Mining or Mineral District: Wrightson mining district

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury X Zinc X Other Silver

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect X Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

5597

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit X Decline __ Shaft X Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) n

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft) 25ft adit, 10ft shaft

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) n

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) n

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E656

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 10.37
6 1 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 23.33
9 1 1.2 1.2 1 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts.

Primary Name: Unnamed

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 216-217

LOCATION DATA

State: AZ County: PIMA Township: 19S Range: 15E Section: 20

Latitude: N31° 46' 12" Longitude: W110° 50' 01" Elevation (ft): 4360

7.5' or 15' Quadrangle Map Name: Helvetia Scale: 1:24000

Mining or Mineral District: Greaterville

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead X Mercury __ Zinc __ Other X silver X

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect X Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E657

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Adit Length 11 x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E 658

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 10.4
6 x 1 x 1.2 x 1.2 x 1 x 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 20.7
8 x 1 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts - Coronado NF

Primary Name: Unnamed

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR947

LOCATION DATA

State: Az County: Santa Cruz Township: 20S Range: 15E Section: 27

Latitude: 31°39'35" Longitude: 110°48'10" Elevation (ft): 5,400

7.5' or 15' Quadrangle Map Name: Mt. Wrightson Scale: 1:24,000

Mining or Mineral District: Wrightson mining district

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead __ Mercury __ Zinc __ Other Silver

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect X Developed Prospect __

Status Unknown __

Type of Operation:

Surface X Underground __ Surface and Underground __ Mineral Location __

Placer __ Prospect X Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E659

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) X Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) n

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact X Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) n

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) n

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E660

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 10.37
6 1 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 12.96
5 1 1.2 1.2 1 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts - Coronado NF

Primary Name: Wildcat Mine

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR 951-959

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 15E Section: 30

Latitude: 31°35'53" Longitude: 110°50'36" Elevation (ft): 6,600

7.5' or 15' Quadrangle Map Name: Mt. Wrightson Scale: 1:24,000

Mining or Mineral District: Wrightson mining district

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury __ Zinc X Other ____

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E661

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit X Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) __

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed X Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) n

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) n

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site __ Trail or undrivable Road X Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E662

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 10.37
4 1.5 1.2 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 12.96
5 1.5 1.2 1.2 1 1.2

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts

Primary Name: Unnamed

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR336-345

LOCATION DATA

State: AZ County: Santa Cruz Township: 20S Range: 14E Section: 6,7

Latitude: N31°42'50" Longitude: W110°56'48" Elevation (ft): 3920

7.5' or 15' Quadrangle Map Name: Mt. Hopkins Scale: 1:24000

Mining or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury __ Zinc __ Other Silver X

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect X Developed Prospect __

Status Unknown __

Type of Operation:

Surface X Underground __ Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E663

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) __

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E664

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 8.6
5 x 1 x 1.2 x 1.2 x 1 x 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 20.7
8 x 1 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: St. Rita Mts.

Primary Name: Blue Jay Prospect

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): SR-676

LOCATION DATA

State: AZ County: Santa Cruz Township: 21S Range: 15E Section: 33

Latitude: 31°34'16"N Longitude: 110°48'38"W Elevation (ft): 4720

(7.5') or 15' Quadrangle Map Name: Patagonia Scale: 1/24000

(Mining) or Mineral District: Tyndall

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead X Mercury X Zinc X Other ____

Uranium X Silver X

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect X Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground __ Mineral Location __

Placer __ Prospect X Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E 665

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) n

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other pit

Size of Feature (ft)

Length ____ x Width ____ x Height ____

Unk.

WATER

Are bodies of water found on or near the site? (y/n) __

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) n

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E666

OTHER

Are any of the following other features present?: Unk.

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 8.6
6 1 1 1.2 1 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 19.4
9 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Rita Mts.

Primary Name: Greaterville placers

Alternate Name: (primarily Ophir, Louisiana, Sucker, Kentucky, and Boston Gulches, and their tributaries)

MASDB MILS Table Sequence number: _____

Date of Report: 9/93 Sample number(s): None

LOCATION DATA

State: AZ County: PIMA Township: 19S Range: 15E Section: Sec. 17, 18, 19, 29, 30, 31, 32, 33 23, 24, 25, 26

Latitude: N31°32'38" Longitude: W110°45'02" Elevation (ft): _____

7.5' or 15' Quadrangle Map Name: Helvetia and Empire Ranch Scale: 1:24,000

Mining or Mineral District: Greaterville

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury __ Zinc __ Other X Gold X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E667

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft X Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) X Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved X Concealed __ Partly Concealed __

Collapsed X Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond X Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) __

Is water being produced from the feature? (y/n) __

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) __

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) __

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 6.9
2 x 2 x 1.2 x 1.2 x 1 x 1.2

Human Hazard (HH):

A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 10.4
2 x 2 x 1.2 x 1.2 x 1 x 1.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is C.

[1]Within a table, take only the highest value as the total value for that table.

E668

APPENDIX E

DOCUMENTATION FOR DERIVATION OF EH AND HH VALUES

SANTA TERESA

8.7 / 10.7

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Teresa

Primary Name: Unnamed Prospect

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 8-5-93 Sample number(s): ST 48

LOCATION DATA

State: AZ County: Graham Township: 6S Range: 20E Section: 34

Latitude: N 32 51 54 Longitude: W 110 17 16 Elevation (ft): 4560

7.5' or 15' Quadrangle Map Name: Klondyke Scale: 7.5

Mining or Mineral District: Aravaipa

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury __ Zinc X Other ___

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect X Developed Prospect __

Status Unknown __

Type of Operation:

Surface X Underground __ Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

E671

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) n

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E672

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

5 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 8.7

Human Hazard (HH):

8 A = Commodity (Table E-1, Human column).
1 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 20.7

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

14.4 /

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Teresa

Primary Name: Cobre Grande Mine

Alternate Name: Cowboy Tunnel

MASDB MILS Table Sequence number: _____

Date of Report: 8-5-93 Sample number(s): ST 1-18

LOCATION DATA

State: __ County: _____ Township: 5S Range: 20E Section: 22

Latitude: N 32 58 35 Longitude: W 110 17 31 Elevation (ft): 6,600

7.5' or 15' Quadrangle Map Name: Cobre Grande Mtn. Scale: 7.5

Mining or Mineral District: Aravaipa

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead __ Mercury __ Zinc __ Other X

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E673

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone X Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) 1

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) n

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) n

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road X 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) n

E674

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

5 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2 B = Status (Table E-2).
1,2 C = Type (Table E-3).
1,2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 14.4

Human Hazard (HH):

2 A = Commodity (Table E-1, Human column).
2 B = Status (Table E-2).
1,2 C = Type (Table E-3).
1,2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
2 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 40.3

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

12.5/28.0

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Teresa

Primary Name: Unnamed Open Cut

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 8-5-93 Sample number(s): ST 41-42

LOCATION DATA

State: AZ County: Graham Township: 6S Range: 20E Section: 33

Latitude: N 32 52 24 Longitude: W110 18 35 Elevation (ft): 4,180

7.5' or 15' Quadrangle Map Name: Klondyke Scale: 7.5

Mining or Mineral District: Aravaipa

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper __ Lead X Mercury X Zinc __ Other X

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect X Developed Prospect __

Status Unknown __

Type of Operation:

Surface X Underground __ Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill __ Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena X Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) X Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) n

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

E475

WATER

Are bodies of water found on or near the site? (y/n) n

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) n

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E676

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.5

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

10.4/23.3

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Teresa

Primary Name: Unnamed Prospects

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 8-10-93 Sample number(s): ST 49-50

LOCATION DATA

State: AZ County: Graham Township: 6S Range: 20E Section: 34

Latitude: N32 51 51 Longitude: W110 17 30 Elevation (ft): 4,600

7.5' or 15' Quadrangle Map Name: Klondyke Scale: 7.5

Mining or Mineral District: Aravaipa

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect X Developed Prospect __

Status Unknown __

Type of Operation:

Surface X Underground __ Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E677

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) 3

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) n

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) n

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) n

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E678

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 10.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 23.3

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

10.4 / 14

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Santa Teresa

Primary Name: Fisher Prospects

Alternate Name: _____

MASDB MILS Table Sequence number: 0040090135

Date of Report: 8-5-93 Sample number(s): ST 20-34

LOCATION DATA

State: AZ County: Graham Township: 6S Range: 21E Section: 6

Latitude: N325619 Longitude: W1101355 Elevation (ft): 4,200

7.5' or 15' Quadrangle Map Name: Jackson Mtn. Scale: 7.5

Mining or Mineral District: _____

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead __ Mercury __ Zinc __ Other X

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 5 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

6676

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing X Filled __ Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color Clear

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site __ Trail or undrivable Road X Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

E680

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

5 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 10.4

Human Hazard (HH):

7 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 14.5

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

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[1]Within a table, take only the highest value as the total value for that table.

APPENDIX E

DOCUMENTATION FOR DERIVATION OF EH AND HH VALUES

TUMACACORI (INCLUDES ALSO ATASCOSA, PAJARITO, AND SAN LUIS)

							Page
Tumacacori	Blue Ribbon & Gold Hill Group	T223 - T229	N312835	W1111714	41.5	A	E685
Tumacacori	Oro Blanco	T599 - T609	N312514	W1111441	41.5	A	E687
Tumacacori	Payoff and vicinity	T116 - T121	N313219	W1112058	41.5	A	E689
Tumacacori	Ajax and vicinity	T67 - T106	N313228	W1112016	41.5	A	E691
Tumacacori	Idaho Mine Group	T301 - T314	N312753	W1111428	20.7	A	E693
Tumacacori	Austerlitz vicinity	T241 - T276	N312801	W1111604	20.7	A	E695
Tumacacori	Tres Amigos Lead	T728 - T735	N312452	W1111452	20.7	A	E697
Tumacacori	Ostrich	T197 - T202	N312933	W1111837	20.7	A	E699
Tumacacori	Cramer	T611 - T615	N312517	W1111407	20.7	A	E701
Tumacacori	Margarita Mine Group	T399 - T418	N312640	W1111520	20.7	A	E703
Tumacacori	Horn Gold	T320, T321	N312705	W1111621	20.7	A	E705
Tumacacori	Grubstake	T675 - T687	N312443	W1111522	20.7	A	E707
Tumacacori	Oro Fino	T702 - T704	N312419	W1111503	20.7	A	E709
Tumacacori	Tres Amigos	T622 - T674	N312457	W1111501	20.7	A	E711
Tumacacori	Smuggler	T570 - T580	N312506	W1111505	20.7	A	E713
Tumacacori	San Juan	T656 - T658	N312504	W1111503	20.7	A	E715
Tumacacori	Sorrel Top	T659 - T661	N312501	W1111508	20.7	A	E717
Tumacacori	Andrews	T278 - T291	N312745	W1111552	20.7	A	E719
Tumacacori	Missouri	T315 - T318	N312708	W1111738	20.7	A	E721
Tumacacori	Lucky Shot Mine Group	T473 - T483	N312647	W1111433	20.7	A	E723
Tumacacori	Rubiana Mine Group	T331 - T337	N312922	W1111526	20.7	A	E725
Tumacacori	Penasco and vicinity	T880 - T899	N312251	W1110924	20.7	A	E727
Tumacacori	Conejo and vicinity	T107 - T115	N313223	W1112003	20.7	A	E729
Tumacacori	Sunset and vicinity	T822 - T842	N312231	W1110551	20.7	A	E731
Tumacacori	Big Steve	T843 - T845	N312230	W1110525	20.7	A	E733
Tumacacori	St. Patrick	T786 - T815	N312231	W1110557	20.7	A	E735
Tumacacori	White Oaks	T846 - T855	N312230	W1110508	20.7	A	E737
Tumacacori	Dos Amigos	T709 - T720	N312500	W1111433	20.7	A	E739
Tumacacori	Last Chance	T353 - T359	N312709	W1111439	20.7	A	E741
Tumacacori	Brown Bird Mine Group	T343 - T347	N312710	W1111524	20.7	A	E743
Tumacacori	Black Peak	T373 - T377	N312643	W1111730	20.7	A	E745
Tumacacori	Brick	T297 - T328	N312745	W1111514	20.7	A	E747
Tumacacori	Morning	T776 - T783	N312237	W1110532	17.3	B	E749
Tumacacori	Unnamed workings	T589 - T598	N312537	W1111424	15.6	B	E751
Tumacacori	Unnamed adit	T691, T692	N312437	W1111509	15.6	B	E753
Tumacacori	Unnamed adit	T324	N312736	W1111550	15.6	B	E755
Tumacacori	Unnamed workings	T636 - T648	N312443	W1111530	15.6	B	E757
Tumacacori	Goldsmith	T140 - T145	N313150	W1112024	15.6	B	E759
Tumacacori	Unnamed workings	T696 - T701	N312426	W1111508	15.6	B	E761
Tumacacori	Deer	T49 -T66	N313239	W1112040	15.6	B	E763
Tumacacori	Silver Top Prospects	T360 - T372	N312659	W1111408	15.6	B	E765
Tumacacori	Unnamed adit	T426 - T436	N312632	W1111521	15.6	B	E767
Tumacacori	Unnamed workings	T170 - T174	N313016	W1111937	15.6	B	E769
Tumacacori	Unnamed adit	T445 - T449	N312621	W1111518	15.6	B	E771
Tumacacori	Arizona Blue Fire Opal	T904 - T908	N312923	W1111013	13.0	B	E773
Tumacacori	Diablo Claims	T927 - T932	N313809	W1110809	13.0	B	E775
Tumacacori	Unnamed adit	T351, T352	N312734	W1111440	12.4	B	E777
Tumacacori	Unnamed working	T739 - T741	N312444	W1111449	12.4	B	E779
Tumacacori	Unnamed workings	T122 - T128	N313201	W1112042	12.4	B	E781
Tumacacori	Brouse and vicinity	T29 - T33	N313142	W1112416	12.4	B	E783

								page
Tumacacori	Arrieta vicinity	T9-13,16,17	N313032	W1112449	12.4	B		E785
Tumacacori	Unnamed workings	T934 - T939	N313313	W1110505	12.4	B		E 787
Tumacacori	Unnamed adit	T768, T769	N312239	W1110552	12.4	B		E 789
Tumacacori	Unnamed workings	T743 - T749	N312411	W1111546	12.4	B		E 791
Tumacacori	Black Copper Queen	T623 - T628	N312454	W1111559	12.4	B		E 793
Tumacacori	Unnamed adit	T708	N312509	W1111434	12.4	B		E 795
Tumacacori	Unnamed workings	T725 - T727	N312457	W1111446	12.4	B		E 797
Tumacacori	Unnamed adit	T705 - T707	N312501	W1111452	12.4	B		E 799
Tumacacori	Unnamed workings	T576 - T578	N312508	W1111455	12.4	B		E 801
Tumacacori	Unnamed adit	T629 - T631	N312453	W1111547	12.4	B		E 803
Tumacacori	Unnamed workings	T652	N312503	W1111528	12.4	B		E 805
Tumacacori	Unnamed workings	T616 - T618	N312506	W1111548	12.4	B		E 807
Tumacacori	Unnamed working	T633 - T635	N312451	W1111542	12.4	B		E 809
Tumacacori	Unnamed workings	T689, T690	N312436	W1111527	12.4	B		E 811
Tumacacori	Stymie Owl Group	T1 - T3	N312654	W1112536	12.4	B		E 813
Tumacacori	Unnamed workings	T283 - T288	N312755	W1111536	12.4	B		E 815
Tumacacori	Unnamed workings	T292 - T294	N312752	W1111534	12.4	B		E 817
Tumacacori	Unnamed workings	T866 - T869	N312148	W1110823	12.4	B		E 819
Tumacacori	Unnamed adit	T235	N312814	W1111655	12.4	B		E 821
Tumacacori	Unnamed workings	T876, T877	N312332	W1110837	12.4	B		E 823
Tumacacori	Unnamed workings	T878, T879	N322315	W1110829	12.4	B		E 825
Tumacacori	Jarillas	T161 - T165	N313020	W1112036	12.4	B		E 827
Tumacacori	Easter Mine Group	T18 - T28	N313053	W1112400	12.4	B		E 829
Tumacacori	Unnamed workings	T34 - T44	N313251	W1112339	12.4	B		E 831
Tumacacori	Unnamed workings	T555 - T557	N312527	W1111527	12.4	B		E 833
Tumacacori	Hole-in-the-Rock	T154 - T158	N313133	W1112032	12.4	B		E 835
Tumacacori	Contact	T135, T136	N313158	W1112020	12.4	B		E 837
Tumacacori	Unnamed workings	T583 - T588	N312530	W1111430	12.4	B		E 839
Tumacacori	Unnamed workings	T721 - T724	N312506	W1111415	12.4	B		E 841
Tumacacori	Unnamed workings	T559 - T569	N312518	W1111524	12.4	B		E 843
Tumacacori	Unnamed working	T175 - T180	N313016	W1111937	12.4	B		E 845
Tumacacori	Unnamed workings	T859 - T861	N312225	W1110730	12.4	B		E 847
Tumacacori	Unnamed workings	T856, T857	N312209	W1110709	12.4	B		E 849
Tumacacori	Unnamed working	T909 - T926	N313357	W1111149	12.4	B		E 851
Tumacacori	Unnamed shaft	T862	N312208	W1110738	12.4	B		E 853
Tumacacori	Unnamed workings	T940 - T942	N313132	W1110644	10.4	B		E 855
Tumacacori	Unnamed workings	T873, T874	N312334	W1110812	10.4	B		E 857
Tumacacori	Unnamed workings	T750, T751	N312406	W1111500	10.4	B		E 859
Tumacacori	Unnamed outcrop	T735 - T738	N312447	W1112449	10.4	B		E 861
Tumacacori	Unnamed prospects	T772 - T774	N312240	W1110541	10.4	B		E 863
Tumacacori	Loma de Manganese	T322	N312714	W1111504	10.4	B		E 865
Tumacacori	Unnamed working	T758	N312331	W1111528	10.4	B		E 867
Tumacacori	Unnamed prospect	T784	N312204	W1110627	10.4	B		E 869
Tumacacori	Unnamed working	T632	N312450	W1111546	10.4	B		E 871
Tumacacori	Unnamed working	T650	N312458	W1111529	10.4	B		E 873
Tumacacori	Unnamed prospect	T349	N312729	W1111450	08.6	B		E 875
Tumacacori	Unnamed shaft	T46, T47	N313259	W1112035	08.6	B		E 877
Tumacacori	Unnamed working	T742	N312434	W1111449	08.6	B		E 879
Tumacacori	Argonaut Reefs	T378	N312640	W1111630	08.6	B		E 881
Tumacacori	Unnamed working	T693, T694	N312437	W1111502	08.6	B		E 883

E683

							page
Tumacacori	Unnamed workings	T695	N312435	W1111457	08.6	B	E 885
Tumacacori	Unnamed workings	T761, T762	N312242	W1110619	08.6	B	E 887
Tumacacori	Unnamed working	T949	N312004	W1110328	08.6	B	E 889
Tumacacori	Unnamed outcrop	T944	N312440	W1110346	07.2	B	E 891
Tumacacori	Unnamed outcrop	T575	N312519	W1111459	07.2	B	E 893
Tumacacori	Unnamed outcrop	T946	N311951	W1110313	07.2	B	E 895
Tumacacori	Unnamed workings	T437, T438	N312621	W1111524	05.2	C	E 897
Tumacacori	Unnamed shafts	T211, T212	N312919	W1111904	02.1	C	E 899
Tumacacori	Unnamed workings	T395	N312652	W1111519	02.1	C	E 901
Tumacacori	Unnamed adit	T181 - T185	N313008	W1111920	02.1	C	E 903
Tumacacori	Unnamed shaft	T169	N313015	W1111940	01.7	C	E 905
Tumacacori	Unnamed working	T654	N312506	W1111518	01.4	C	E 907

E684

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Blue Ribbon & Gold Hill Group

Alternate Name: St. Christopher

MASDB MILS Table Sequence number: 0040230040

Date of Report: 12/31/93 Sample number(s): T223 - T229

LOCATION DATA

State: Az County: Santa Cruz Township: 22S Range: 10E Section: 26

Latitude: N 31 28 35 Longitude: W 111 17 14 Elevation (ft): 4190

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill __ Unknown X

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

Type and number of workings: (indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft 25 Glory Hole __ Small Pit or Trench (< 10 ft) 3

Large Pit (> 10 ft) __ Quarry __ Placer __ Building X Machinery X

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile X Subsidence __

Other _____

CONDITION OF SITE AND/OR FEATURE

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other open shafts

SIZE OF FEATURE (ft)

Length 10 x Width 5 x Height 40

EC85

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) Y

Location of Machinery:

Inside Building X Outside Building X No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other assorted

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E686

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes X Tramways __ Bags __ Scrap Metal X

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
2 E = Milling Method (Table E-5).
1.7 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = ~~[illegible]~~ 41.5

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
2 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 93.3

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Oro Blanco

Alternate Name: —

MASDB MILS Table Sequence number: 004023.0023

Date of Report: 12/27/93 Sample number(s): T 599 - T 608

LOCATION DATA

State: AZ County: Santa Cruz Township: 23S Range: 11E Section: 17

Latitude: N 31 25 14 Longitude: W 111 14 41 Elevation (ft): 3820

7.5' or 15' Quadrangle Map Name: Ruby Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic ✓ Cadmium ✓ Copper ✓ Lead ✓ Mercury X Zinc ✓ Other Au

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer X Prospect __ Dredging __ Processing Plant X Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E687

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only X Heap Leach __

Leach X CIP __ Cyanidation __ Stamp __ Flotation __

post 1day test lot Jig Plant __ Retort __ No Mill __ Unknown X

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

Type and number of workings: (indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft 4 Glory Hole __ Small Pit or Trench (< 10 ft) 1

Large Pit (> 10 ft) 1 Quarry __ Placer X Building X Machinery X

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile X Subsidence __

Other _____

CONDITION OF SITE AND/OR FEATURE

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other deep shafts

SIZE OF FEATURE (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream X River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) Y

Location of Machinery:

Inside Building __ Outside Building X No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher X Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other dozer

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) ~~Y~~ N

If present, give type and location ~~[illegible]~~

ACCESS

Access is by:

Maintained Road ~~X~~ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) Y

OTHER

Are any of the following other features present?:

Drums or Tanks X Headframes X Tramways __ Bags __ Scrap Metal X

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other generator

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 ~~2~~ A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2 ~~1.5~~ B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
2 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = ~~[illegible]~~ 41.5

Human Hazard (HH):

8 ~~7.2~~ A = Commodity (Table E-1, Human column).
2 ~~1.5~~ B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
2 E = Milling Method (Table E-5).
1.82 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = ~~[illegible]~~ 93.3

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is ~~B~~A.

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[1]Within a table, take only the highest value as the total value for that table.

E688

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: ~~B Payoff and/or Silver Crown~~ & vicinity

Alternate Name: _____

MASDB MILS Table Sequence number: 0040190537

Date of Report: 12/31/93 Sample number(s): T116-T121

LOCATION DATA

State: Az County: Pima Township: 22S Range: 10E Section: 5

Latitude: N 31 32 19 Longitude: W 111 20 58 Elevation (ft): 4200

7.5' or 15' Quadrangle Map Name: Arivaca Scale: 24000

Mining or Mineral District: Arivaca

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury __ Zinc __ Other Ag

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant X Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E686

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill __ Unknown X

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide X Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

Type and number of workings: (indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft 2 Glory Hole __ Small Pit or Trench (< 10 ft) 2

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

CONDITION OF SITE AND/OR FEATURE

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other deep shaft

SIZE OF FEATURE (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
2 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 41.5

Human Hazard (HH):

8 A = Commodity (Table E-1, Human column).
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
2 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 82.9

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

[1]Within a table, take only the highest value as the total value for that table.

E690

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Ajax (and vicinity)

Alternate Name: _____

MASDB MILS Table Sequence number: 0040190089

Date of Report: 12/31/93 Sample number(s): T67- T106

LOCATION DATA

State: Az County: Pima Township: 22S Range: 10E Section: 5

Latitude: N 31°32'28" Longitude: W111°20'16" Elevation (ft): 3960

7.5' or 15' Quadrangle Map Name: Arivaca Scale: 24000

Mining or Mineral District: Arivaca

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury X Zinc __ Other Ag

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E691

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill __ Unknown X

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite X

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

Type and number of workings: (indicate with an X or 1, 2, etc.)

Adit 8 Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) 26

Large Pit (> 10 ft) 10 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

CONDITION OF SITE AND/OR FEATURE

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other open shafts, stopes, deep cuts

SIZE OF FEATURE (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing X Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown X Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color unknown

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road X 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E692

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
2 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 41.5

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
2 E = Milling Method (Table E-5).
2 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 103.7

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Idaho Mine Group

Alternate Name: Arizona Mine Group

MASDB MILS Table Sequence number: 0040230227

Date of Report: 12/31/93 Sample number(s): T301-T314

LOCATION DATA

State: Az County: Santa Cruz Township: 22S Range: 11E Section: 32

Latitude: N31 27 53 Longitude: W 111 14 28 Elevation (ft): 4200

7.5' or 15' Quadrangle Map Name: Ruby Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium X Copper X Lead X Mercury X Zinc X Other Ag

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E693

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite X

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide X Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 4 Decline __ Shaft 3 Glory Hole __ Small Pit or Trench (< 10 ft) 7

Large Pit (> 10 ft) 2 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed X Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded X Intact __ Subsided __

Foundation X Prone to Wind Erosion __ Other deep shafts

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake X Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road X 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) X

E694

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
2 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 51.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Austerlitz (vicinity)

Alternate Name: _____

MASDB MILS Table Sequence number: 0040230032

Date of Report: 12/31/93 Sample number(s): T241-T276

LOCATION DATA

State: Az County: Santa Cruz Township: 22S Range: 10E Section: 36

Latitude: N 31 28 00 Longitude: W 111 16 04 Elevation (ft): 4350

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead __ Mercury X Zinc __ Other Ag

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E695

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 6 Decline __ Shaft 3 Glory Hole 1 Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) 19 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings X

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation X Prone to Wind Erosion __ Other deep shaft.

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) Y

If water is present, how does it occur?:

Standing X Filled __ Partly Filled __ Flowing X Intermittent X

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color unknown

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road X 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E696

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal X

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
2 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 51.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Tres Amigos Lead

Alternate Name: _____

MASDB MILS Table Sequence number: 004023 0085

Date of Report: 12/31/93 Sample number(s): T728-T735

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 20

Latitude: N31 24 52 Longitude: W111 14 52 Elevation (ft): 3800

7.5' or 15' Quadrangle Map Name: Ruby Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead X Mercury X Zinc __ Other Ag

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location X

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E697

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) 2 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other deep shaft

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing X Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color unknown

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) Y

E698

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Ostrich

Alternate Name: Skunk

MASDB MILS Table Sequence number: 004023 0075

Date of Report: 12/31/93 Sample number(s): T197-T202

LOCATION DATA

State: Az County: Santa Cruz Township: 22S Range: 10E Section: 22

Latitude: N31 29 33 Longitude: W111 18 37 Elevation (ft): 4420

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: _____

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E699

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

Type and number of workings: (indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) 1 Quarry __ Placer __ Building __ Machinery X

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other hoist

CONDITION OF SITE AND/OR FEATURE

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry __ Partly Caved X Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed X Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other deep shaft

SIZE OF FEATURE (ft)

Length 50 x Width 20 x Height 60

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) Y

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location X

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other hoist

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E700

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Cramer

Alternate Name: Cramer Gold

MASDB MILS Table Sequence number: 004023 0050

Date of Report: 12/31/93 Sample number(s): T611-T615

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 17

Latitude: N31 25 17 Longitude: W111 14 07 Elevation (ft): 3850

7.5' or 15' Quadrangle Map Name: Ruby Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ___

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E701

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

Type and number of workings: (indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft X Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery X

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

CONDITION OF SITE AND/OR FEATURE

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

SIZE OF FEATURE (ft)

Length ____ x Width ____ x Height ____

E702

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) Y

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other engine

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) Y

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal X

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6	A =	Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2	B =	Status (Table E-2).
1.2	C =	Type (Table E-3).
1.2	D =	Size (Table E-4).
1	E =	Milling Method (Table E-5).
1.2	F =	Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7

Human Hazard (HH):

9	A =	Commodity (Table E-1, Human column).
2	B =	Status (Table E-2).
1.2	C =	Type (Table E-3).
1.2	D =	Size (Table E-4).
1	E =	Milling Method (Table E-5).
1.8	F =	Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Margarita Mine Group

Alternate Name: _____

MASDB MILS Table Sequence number: 004023 0067

Date of Report: 12/31/93 Sample number(s): T399-T418

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 7

Latitude: N31 26 40 Longitude: W111 15 20 Elevation (ft): 4300

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other Au

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E703

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit X Decline __ Shaft X Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) X Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile X Subsidence X

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed X Partly Collapsed X Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided X

Foundation __ Prone to Wind Erosion __ Other winze

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond X Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing X Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green X Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color unknown

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E204

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other drill holes

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.3 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Horn Gold

Alternate Name: Arizona Group

MASDB MILS Table Sequence number: 0041023 0225

Date of Report: 12/31/93 Sample number(s): T320, T321

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 10E Section: 1

Latitude: N31 27 05 Longitude: W111 16 20 Elevation (ft): 4400

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other Ag

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E705

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) 1 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing X Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color unknown

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E706

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____.

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Grubstake

Alternate Name: Scribner

MASDB MILS Table Sequence number: 004023 0056

Date of Report: 12/31/93 Sample number(s): T675-T687

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 19

Latitude: N3124 43 Longitude: W111 15 22 Elevation (ft): 3920

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other Ag

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E707

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft 2 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved X Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other ~~do.~~ open stope, wire

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) Y

If water is present, how does it occur?:

Standing X Filled __ Partly Filled __ Flowing X Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color unknown

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E708

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2B = Status (Table E-2).
1.2C = Type (Table E-3).
1.2D = Size (Table E-4).
1E = Milling Method (Table E-5).
1.2F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7

Human Hazard (HH):

9A = Commodity (Table E-1, Human column).
2B = Status (Table E-2).
1.2C = Type (Table E-3).
1.2D = Size (Table E-4).
1E = Milling Method (Table E-5).
1.8F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Oro Fino

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T702 - T704

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 19

Latitude: N31 24 19 Longitude: W111 15 03 Elevation (ft): 3720

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other Ag

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E709

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite X

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) 2

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E710

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Tres Amigos

Alternate Name: White Gold #3

MASDB MILS Table Sequence number: 004023 0084

Date of Report: 12/31/93 Sample number(s): T662 - T674

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 19

Latitude: N 31 24 57 Longitude: W 111 15 01 Elevation (ft): 3820

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other Au

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E711

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline 1 Shaft 2 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing X

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation X Prone to Wind Erosion __ Other deep shaft

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing X Filled __ Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color Unknown

MACHINERY

Is machinery present at the site? (y/n) Y

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location X

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other Scrap

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) Y

E712

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal X

Trestles __ Wooden Structures X Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other scrap materials

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Smuggler

Alternate Name: Gold Case

MASDB MILS Table Sequence number: 0041023 0081

Date of Report: 12/31/93 Sample number(s): T570-T580

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 18

Latitude: N31 25 06 Longitude: W111 15 05 Elevation (ft): 4050

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other Ag

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E713

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 3 Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing X

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation X Prone to Wind Erosion __ Other deep shaft

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) Y

E714

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures X Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: San Juan

Alternate Name: Moore shaft

MASDB MILS Table Sequence number: 004023 0079

Date of Report: 12/31/93 Sample number(s): T656 - T658

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 19

Latitude: N 312504 Longitude: W 111 15 03 Elevation (ft): 3920

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other Ag

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E715

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) 2

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other deep shaft

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) Y

E716

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Sorrel Top

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T659-T661

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 19

Latitude: N312501 Longitude: W1115 08 Elevation (ft): 4160

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other Au

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E717

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile 1 Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing X

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other deep shaft

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) Y

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes X Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures X Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

[1]Within a table, take only the highest value as the total value for that table.

E 718

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Andrews

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T278 - T291, ~~T324~~

LOCATION DATA

State: Az County: Santa Cruz Township: 22S Range: 11E Section: 31

Latitude: N312745 Longitude: W111152 Elevation (ft): 4680

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead X Mercury X Zinc X Other ____

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E719

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) 3 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile 1 Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other deep shaft

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing X Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color unknown

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E 720

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2 ~~1.5~~ B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
2 ~~1.5~~ B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Missouri

Alternate Name: _____

MASDB MILS Table Sequence number: 0040230286

Date of Report: 12/31/93 Sample number(s): T315 - T318

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 10E Section: 2

Latitude: N312708 Longitude: W111 17 38 Elevation (ft): 4640

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E721

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) 1

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other deep shaft

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E722

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Lucky Shot Mine Group

Alternate Name: Hill Top

MASDB MILS Table Sequence number: 004 023 0065

Date of Report: 12/31/93 Sample number(s): T473 - T483

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 8

Latitude: N 31 26 47 Longitude: W111 14 33 Elevation (ft): 4280

7.5' or 15' Quadrangle Map Name: Ruby Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium X Copper __ Lead X Mercury X Zinc X Other ____

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E723

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena X Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline __ Shaft 3 Glory Hole 1 Small Pit or Trench (< 10 ft) 3

Large Pit (> 10 ft) 1 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other deep shafts

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing X Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color unknown

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E724

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes X Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures X Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Rubiano Mine Group ~~Tumacacori workings~~

Alternate Name: _____

MASDB MILS Table Sequence number: 0040230077

Date of Report: 12/31/93 Sample number(s): T331-T337

LOCATION DATA

State: Az County: Santa Cruz Township: 23 S Range: 11 E Section: 6

Latitude: N 31 29 22 Longitude: W 111 15 26 Elevation (ft): 4400

7.5' or 15' Quadrangle Map Name: Bartlett Mtn Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium X Copper __ Lead X Mercury X Zinc X Other Ag

Status of Operation:

Past Producer X Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E725

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena X Marcasite __ Sphalerite X

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 4 Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved X Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E726

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = ~~[illegible]~~ 20.7

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = ~~[illegible]~~ 46.7

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A~~B~~.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Penasco and vicinity

Alternate Name: _____

MASDB MILS Table Sequence number: 0041023 0315

Date of Report: 12/31/93 Sample number(s): T880 - T899

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 12E Section: 31

Latitude: N31 22 51 Longitude: W111 09 24 Elevation (ft): 4500

7.5' or 15' Quadrangle Map Name: Ruby Scale: 24000

Mining or Mineral District: _____

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium X Copper X Lead X Mercury X Zinc X Other Ag

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E727

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite X

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 5 Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) 5

Large Pit (> 10 ft) 1 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other shaft, winze

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing X Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color unknown

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E728

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Conejo and Guicinito

Alternate Name: _____

MASDB MILS Table Sequence number: 0040190166

Date of Report: 12/31/93 Sample number(s): T107- T115

LOCATION DATA

State: Az County: Pima Township: 22S Range: 10E Section: 5

Latitude: N31 32 23 Longitude: W111 20 03 Elevation (ft): 3900

7.5' or 15' Quadrangle Map Name: Arivaca Scale: 24000

Mining or Mineral District: Arivaca

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury X Zinc __ Other Ag

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E729

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite X

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

Type and number of workings: (indicate with an X or 1, 2, etc.)

Adit 2 Decline __ Shaft 2 Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) 2 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

CONDITION OF SITE AND/OR FEATURE

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other shaft 220'

SIZE OF FEATURE (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing X Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color unknown

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

7730

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Sunset & vicinity

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T822-T842

LOCATION DATA

State: Az County: Santa Cruz Township: 24S Range: 12E Section: 2,3

Latitude: N 31 22 31 Longitude: W111 5 51 Elevation (ft): 4480

7.5' or 15' Quadrangle Map Name: Pajarito Peak Scale: 24000

Mining or Mineral District: Pajarito

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper __ Lead X Mercury X Zinc __ Other Ag

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E731

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

Type and number of workings: (indicate with an X or 1, 2, etc.)

Adit 3 Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) 16

Large Pit (> 10 ft) 1 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

CONDITION OF SITE AND/OR FEATURE

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed X Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other deep shaft

SIZE OF FEATURE (ft)

Length 9 x Width 5 x Height 25

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled X Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color unknown

MACHINERY

Is machinery present at the site? (y/n) ~~Y~~N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E732

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Big Steve

Alternate Name: _____

MASDB MILS Table Sequence number: 004 023 0114

Date of Report: 12/31/93 Sample number(s): T843-T845

LOCATION DATA

State: Az County: Santa Cruz Township: 24S Range: 12E Section: 2

Latitude: N 31 22 30 Longitude: W 111 5 25 Elevation (ft): 4480

7.5' or 15' Quadrangle Map Name: Pajarito Peak Scale: 24000

Mining or Mineral District: Pajarito

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper __ Lead X Mercury X Zinc __ Other ____

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E733

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

Type and number of workings: (indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) 1

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

CONDITION OF SITE AND/OR FEATURE

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved X Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

SIZE OF FEATURE (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) ~~N~~ Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake X Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E734

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: St. Patrick

Alternate Name: _____

MASDB MILS Table Sequence number: 0040230342

Date of Report: 12/31/93 Sample number(s): T786 - T815

LOCATION DATA

State: Az County: Santa Cruz Township: 24S Range: 12E Section: 3

Latitude: N31 23 31 Longitude: W111 05 57 Elevation (ft): 4100

7.5' or 15' Quadrangle Map Name: Pena Blanca Lake Scale: 24000

Mining or Mineral District: Pajarito

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper __ Lead X Mercury X Zinc __ Other Ag

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E735

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena X Marcasite __ Sphalerite X

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 4 Decline __ Shaft 4 Glory Hole __ Small Pit or Trench (< 10 ft) 2

Large Pit (> 10 ft) 2 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence X

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) y

Mark all conditions that apply:

Open to Entry X Partly Caved X Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed X Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided X

Foundation __ Prone to Wind Erosion __ Other deep shaft, vines

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake X Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled X Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color unknown

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E736

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: White Oaks

Alternate Name: Old Clark

MASDB MILS Table Sequence number: 004023040.5

Date of Report: 12/21/93 Sample number(s): T846-T855

LOCATION DATA

State: Az County: Santa Cruz Township: 24S Range: 12E Section: 2

Latitude: N°31 22 30 Longitude: W111 5 8 Elevation (ft): 4150

7.5' or 15' Quadrangle Map Name: Pajarito Peak Scale: 24000

Mining or Mineral District: Pajarito

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury X Zinc __ Other Ag

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E-737

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

Type and number of workings: (indicate with an X or 1, 2, etc.)

Adit 2 Decline 2 Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) 1

Large Pit (> 10 ft) 2 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

CONDITION OF SITE AND/OR FEATURE

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved X Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other deep shaft

SIZE OF FEATURE (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing X Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color Unknown

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E738

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tuma Cacori

Primary Name: Dos Amigos

Alternate Name: _____

MASDB MILS Table Sequence number: 0040230051

Date of Report: 12/31/93 Sample number(s): T709 - T720

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 20

Latitude: N312500 Longitude: W1111433 Elevation (ft): 3840

7.5' or 15' Quadrangle Map Name: Ruby Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other Ag

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E139

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena X Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) 1 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing X Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color unknown

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) Y

E740

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2 B = Status (Table E-2).
1.2C = Type (Table E-3).
1.2D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7

Human Hazard (HH):

9A = Commodity (Table E-1, Human column).
2 B = Status (Table E-2).
1.2C = Type (Table E-3).
1.2D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Last Chance

Alternate Name: _____

MASDB MILS Table Sequence number: 004023 0427

Date of Report: 12/31/93 Sample number(s): T353 - T359

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 14E Section: 5

Latitude: N312709 Longitude: W111 1439 Elevation (ft): 4240

7.5' or 15' Quadrangle Map Name: Ruby Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium X Copper __ Lead X Mercury X Zinc X Other ____

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E741

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena X Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 4 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) 1

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed X Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road X 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E742

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
2 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 44.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Brown Bird Mine Group

Alternate Name: Blue Wing

MASDB MILS Table Sequence number: 0040230042

Date of Report: 12/31/93 Sample number(s): T343 - T347

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 6

Latitude: N31 27 10 Longitude: W111 15 24 Elevation (ft): 4520

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium X Copper __ Lead X Mercury __ Zinc X Other Ag

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E743

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena X Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline 1 Shaft 2 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other fenced shafts

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing X Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color unknown

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E744

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7

Human Hazard (HH):

8 A = Commodity (Table E-1, Human column).
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 41.5

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Black Peak

Alternate Name: Copper Mountain

MASDB MILS Table Sequence number: 0040230037

Date of Report: 12/31/93 Sample number(s): T373 - T377

LOCATION DATA

State: AZ County: Santa Cruz Township: 23S Range: 10E Section: 11

Latitude: N31 26 43 Longitude: W111 17 30 Elevation (ft): 4520

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury __ Zinc __ Other Ag

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E745

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) 3

Large Pit (> 10 ft) 1 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing X Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color unknown

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E746

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7

Human Hazard (HH):

8 A = Commodity (Table E-1, Human column).
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 41.5

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: ~~[illegible]~~ Brick mine

Alternate Name: _____

MASDB MILS Table Sequence number: 0040230041 ~~[illegible]~~

Date of Report: 12/31/93 Sample number(s): T297-T328 ~~[illegible]~~

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 31

Latitude: N31 27 45 Longitude: W111 15 14 Elevation (ft): 4120

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other Ag

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E747

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline 1X Shaft 2 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump 1X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence X

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing X

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided X

Foundation __ Prone to Wind Erosion __ Other open shafts

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) Y

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled X Flowing X Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color clear

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road X 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E748

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes X Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures X Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7

Human Hazard (HH):

6 A = Commodity (Table E-1, Human column).
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
2 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 34.6

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Morning

Alternate Name: Morning & Evening Group

MASDB MILS Table Sequence number: 004023 0294

Date of Report: 12/31/93 Sample number(s): T 776- T 783

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 12E Section: 35

Latitude: N 31 22 37 Longitude: W 111 05 32 Elevation (ft): 4200

7.5' or 15' Quadrangle Map Name: Ruby Peña Blanca Lake Scale: 24000

Mining or Mineral District: Pajarito

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper __ Lead X Mercury __ Zinc __ Other Ag

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E749

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena X Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

Type and number of workings: (indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) 2 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

CONDITION OF SITE AND/OR FEATURE

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

SIZE OF FEATURE (ft)

Length 175 x Width 5 x Height 5

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake X Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E750

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

5 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 17.3

Human Hazard (HH):

8 A = Commodity (Table E-1, Human column).
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 41.5

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed workings

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T589-T598

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 17

Latitude: N31 25 37 Longitude: W111 14 24 Elevation (ft): 3800

7.5' or 15' Quadrangle Map Name: Ruby Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other Ag

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E751

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 3 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) ~~N~~ Y

Mark all conditions that apply:

Open to Entry X Partly Caved X Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing X Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color Unknown

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) Y

E752

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.5 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 15.6

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.5 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 35.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed adit

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T691 - T692

LOCATION DATA

State: Az County: Santa Cruz Township: 22S Range: 11E Section: 19

Latitude: N312437 Longitude: W111 1509 Elevation (ft): 3750

7.5' or 15' Quadrangle Map Name: Bartlett mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E753

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft 2 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) ~~N~~ Y

E754

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.5 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 15.6

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.5 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 35.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed adit

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T324

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 6

Latitude: N31 27 36 Longitude: W111 15 50 Elevation (ft): 4560

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E755

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry __ Partly Caved X Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E 756

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.5B = Status (Table E-2).
1.2C = Type (Table E-3).
1.2D = Size (Table E-4).
1E = Milling Method (Table E-5).
1.2F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 15.6

Human Hazard (HH):

9A = Commodity (Table E-1, Human column).
1.5B = Status (Table E-2).
1.2C = Type (Table E-3).
1.2D = Size (Table E-4).
1E = Milling Method (Table E-5).
1.8F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 35.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed workings

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T636 -T648

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 19

Latitude: N 31 24 43 Longitude: W 111 15 30 Elevation (ft): 4200

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium X Copper __ Lead X Mercury X Zinc __ Other Ag

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E757

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 3 Decline __ Shaft 4 Glory Hole __ Small Pit or Trench (< 10 ft) 1

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other deep shafts

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing X Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color unknown

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) ~~N~~ Y

E758

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.5 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 15.6

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.5 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 35.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: ~~Holy Lodge~~ Goldsmith

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T140 - T145

LOCATION DATA

State: Az County: Pima Township: 22S Range: 10 E Section: 8

Latitude: N 31 31 50 Longitude: W 111 20 24 Elevation (ft): 3960

7.5' or 15' Quadrangle Map Name: Arivaca Scale: 24000

Mining or Mineral District: Arivaca

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E759

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

Type and number of workings: (indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) 1

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

CONDITION OF SITE AND/OR FEATURE

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

SIZE OF FEATURE (ft)

Length 5 x Width 5 x Height 160

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E760

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other Timbering

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.5 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 15.6

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.5 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 35.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed workings

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T896 - T901

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 19

Latitude: N 31 24 26 Longitude: W 111 15 08 Elevation (ft): 3766

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead X Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E761

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline __ Shaft 38 Glory Hole __ Small Pit or Trench (< 10 ft) 2

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other deep shafts

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E762

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.5 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 15.6

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.5 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 35.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Deer Mine ~~Unnamed Workings~~

Alternate Name: _____

MASDB MILS Table Sequence number: 0040190966

Date of Report: 12/31/93 Sample number(s): T49 - T66

LOCATION DATA

State: Az County: Pima Township: 22S Range: 10E Section: 5

Latitude: N 31°32'39" Longitude: W111°20'40" Elevation (ft): 3920

7.5' or 15' Quadrangle Map Name: Arivaca Scale: 24000

Mining or Mineral District: Arivaca

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium X Copper X Lead X Mercury X Zinc X Other Ag

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect X Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E763

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite X

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

Type and number of workings: (indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 6 Glory Hole __ Small Pit or Trench (< 10 ft) 3

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

CONDITION OF SITE AND/OR FEATURE

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other open shafts

SIZE OF FEATURE (ft)

Length ____ x Width ____ x Height ____

E764

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes X Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.5 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 15.6

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.5 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 35.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: ~~Unnamed workings~~ Silver Top prospects

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T360 - T372

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 5

Latitude: N31 26 59 Longitude: W111 14 08 Elevation (ft): 4160

7.5' or 15' Quadrangle Map Name: Ruby Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead __ Mercury X Zinc __ Other Ag

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E765

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline 2 Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) 1

Large Pit (> 10 ft) 2 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other stope to surface

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake X Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing X Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color unknown

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E766

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.5 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 15.6

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.5 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 35.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed adit

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T426-T436

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 7

Latitude: N 31 26 32 Longitude: W 111 15 21 Elevation (ft): 4040

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury __ Zinc __ Other Ag

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E767

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft 1 Glory Hole 1 Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved X Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other open shafts

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E768

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.5 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 15.6

Human Hazard (HH):

8 A = Commodity (Table E-1, Human column).
1.5 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 37.1

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: unnamed workings

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T170-T174

LOCATION DATA

State: AZ County: Santa Cruz Township: ~~18~~ 22 S Range: 10 E Section: 20

Latitude: N31 30 16 Longitude: W111 19 37 Elevation (ft): 4440

7.5' or 15' Quadrangle Map Name: Arivaca Scale: 24000

Mining or Mineral District: _____

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E769

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

Type and number of workings: (indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

CONDITION OF SITE AND/OR FEATURE

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other metal door

SIZE OF FEATURE (ft)

Length 200 6 x Width 5 x Height 5

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site X Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E770

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.5 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 15.6

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.5 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.4 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 27.2

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed adit

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T445-T449

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 7

Latitude: N31 26 21 Longitude: W111 15 18 Elevation (ft): 4040

7.5' or 15' Quadrangle Map Name: Bartlette MTn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury __ Zinc __ Other Ag

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E771

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1X Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other bad back

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing X Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color unknown

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E772

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.5 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 15.6

Human Hazard (HH):

5 A = Commodity (Table E-1, Human column).
1.5 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 19.4

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Arizona Blue Fire Opal

Alternate Name: Scorpio Claims

MASDB MILS Table Sequence number: 0040230103

Date of Report: 12/31/93 Sample number(s): T904-T908

LOCATION DATA

State: Az County: Santa Cruz Township: 22S Range: 10E Section: 25

Latitude: N 31 29 23 Longitude: W 111 10 13 Elevation (ft): 4250

7.5' or 15' Quadrangle Map Name: Ruby Scale: 24000

Mining or Mineral District: _____

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface X Underground __ Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E773

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) 1 Quarry __ Placer __ Building __ Machinery X

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) Y

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location X

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other hvy eqpt.

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E774

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.5 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 13.0

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.5 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 35.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Diablo Claims

Alternate Name: _____

MASDB MILS Table Sequence number: 004/023 0162

Date of Report: 12/31/93 Sample number(s): T927-T930 2

LOCATION DATA

State: Az County: Santa Cruz Township: 21S Range: 12E Section: 5

Latitude: N 31 38 09 Longitude: W111 08 09 Elevation (ft): 4040

7.5' or 15' Quadrangle Map Name: Murphy Peak Scale: 24000

Mining or Mineral District: _____

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E775

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) X1

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved X Concealed __ Partly Concealed __

Collapsed X Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E776

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.5 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 13.0

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.5 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 35.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed adit

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T351-T352

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 5

Latitude: N31 27 34 Longitude: W111 14 40 Elevation (ft): 4160

7.5' or 15' Quadrangle Map Name: Ruby Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ___

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E777

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) ~~N~~ Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other bad portal

Size of Feature (ft)

Length ___ x Width ___ x Height ___

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road X 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E778

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
2 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 31.1

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed working

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T 739 - T741

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 20

Latitude: N31 24 44 Longitude: W111 14 49 Elevation (ft): 3850

7.5' or 15' Quadrangle Map Name: Ruby Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E774

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile X Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other deep shaft

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) ~~N~~ Y

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color unknown

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) Y

E780

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: unnamed workings

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T 122 - T 128

LOCATION DATA

State: Az County: Pima Township: 22 S Range: 10 E Section: 05

Latitude: N 31 32 01 Longitude: W 111 20 42 Elevation (ft): 3960

7.5' or 15' Quadrangle Map Name: Arivaca Scale: 2400

Mining or Mineral District: Arivaca

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E781

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

Type and number of workings: (indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) 2 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

CONDITION OF SITE AND/OR FEATURE

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

SIZE OF FEATURE (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E782

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Brouse Mine & vicinity

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T29-T33

LOCATION DATA

State: AZ County: Pima Township: 22S Range: 9E Section: 10

Latitude: N31 31 42 Longitude: W111 24 16 Elevation (ft): 4140

7.5' or 15' Quadrangle Map Name: Wilbur Canyon Scale: 24000

Mining or Mineral District: Arivaca

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E783

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

Type and number of workings: (indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) 12

Large Pit (> 10 ft) 1 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

CONDITION OF SITE AND/OR FEATURE

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other deep shaft

SIZE OF FEATURE (ft)

Length 5 x Width 5 x Height 20

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other cattle well

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Arrieta Mine vicinity

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T9 - T13, T16, T17

LOCATION DATA

State: Az County: Pima Township: 22S Range: 9E Section: 15

Latitude: N31 30 32 Longitude: W111 24 49 Elevation (ft): 4200

7.5' or 15' Quadrangle Map Name: Wilbur Canyon Scale: 24000

Mining or Mineral District: Arivaca

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E785

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

Type and number of workings: (indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft 3 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) 1 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

CONDITION OF SITE AND/OR FEATURE

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation X Prone to Wind Erosion __ Other deep shaft, open stope

SIZE OF FEATURE (ft)

Length 25 x Width 5 x Height 40

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E786

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: unnamed workings

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T934-T939

LOCATION DATA

State: Az County: Santa Cruz Township: 21S Range: 12E Section: 35

Latitude: N31 33 13 Longitude: W111 05 05 Elevation (ft): 3600

7.5' or 15' Quadrangle Map Name: Tubac Scale: 2400

Mining or Mineral District: _____

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E787

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) 3

Large Pit (> 10 ft) 1 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved X Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled X Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color Unknown

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E788

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed adit

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T768, T769

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 12E Section: 34

Latitude: N 31 22 39 Longitude: W 111 5 52 Elevation (ft): 4160

7.5' or 15' Quadrangle Map Name: Pena Blanca Lake Scale: 24000

Mining or Mineral District: Pajarito

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper __ Lead X Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E789

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) 2

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake X Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E790

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed workings

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T743-T749

LOCATION DATA

State: AZ County: Santa Cruz Township: 23S Range: 11E Section: 30

Latitude: N31 24 11 Longitude: W111 15 46 Elevation (ft): 3900

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead __ Mercury X Zinc __ Other Ag

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E791

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) 1

Large Pit (> 10 ft) 1 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other deep shaft

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E792

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Black Copper Queen

Alternate Name: _____

MASDB MILS Table Sequence number: 0040~~32~~23 0118

Date of Report: 12/31/93 Sample number(s): T623 - T628

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 19

Latitude: N31 24 54 Longitude: W111 15 59 Elevation (ft): 4080

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead __ Mercury X Zinc X Other ____

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface X Underground __ Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E793

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) 1 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall 1 Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) ~~N~~ Y

E794

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed adit

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): TX08

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 17

Latitude: N31 25 09 Longitude: W111 19 34 Elevation (ft): 3800

7.5' or 15' Quadrangle Map Name: Ruby Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

E795

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) Y

E796

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed workings

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T725-T727

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 20

Latitude: N31 24 57 Longitude: W111 14 46 Elevation (ft): 3790

7.5' or 15' Quadrangle Map Name: Ruby Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E797

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) X Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) n

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) Y

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed adit

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T705-T707

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 19

Latitude: N312501 Longitude: W1111452 Elevation (ft): 3800

7.5' or 15' Quadrangle Map Name: Ruby Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E799

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) Y

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed workings

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T576 - T578

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 18

Latitude: N31 25 08 Longitude: W111 14 55 Elevation (ft): 3980

7.5' or 15' Quadrangle Map Name: Ruby Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

1087

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) 2 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other deep shaft

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) Y

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

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[1]Within a table, take only the highest value as the total value for that table.

E802

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: unnamed adit

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T629-T631

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 19

Latitude: N 31 24 53 Longitude: W 111 15 47 Elevation (ft): 4200

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E803

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) ~~N~~ Y

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

[1]Within a table, take only the highest value as the total value for that table.

E804

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed workings

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T652

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 19

Latitude: N31 25 03 Longitude: W111 15 28 Elevation (ft): 4220

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium X Copper X Lead X Mercury X Zinc X Other Ag

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 2 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) 4 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

E805

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) ~~N~~ Y

E806

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2B = Status (Table E-2).
1.2C = Type (Table E-3).
1.2D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

9A = Commodity (Table E-1, Human column).
1.2B = Status (Table E-2).
1.2C = Type (Table E-3).
1.2D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed workings

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T616 - T618

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 19

Latitude: N31 25 06 Longitude: W111 15 48 Elevation (ft): 4280

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead X Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 3 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other deep shaft

Size of Feature (ft)

Length ____ x Width ____ x Height ____

E807

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) ~~N~~ Y

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap-Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2B = Status (Table E-2).
1.2C = Type (Table E-3).
1.2D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2B = Status (Table E-2).
1.2C = Type (Table E-3).
1.2D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

[1]Within a table, take only the highest value as the total value for that table.

E808

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed working

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T633 - T635

LOCATION DATA

State: Az County: Santa ~~Fe~~ Cruz Township: 23S Range: 11E Section: 19

Latitude: N31 24 51 Longitude: W111 15 42 Elevation (ft): 4200

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead X Mercury X Zinc __ Other ___

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E809

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) n

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) n

Is water being produced from the feature? (y/n) n

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) n

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) n

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) ~~n~~ y

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed workings

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T689, T696

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 19

Latitude: N31 24 36 Longitude: W111 15 27 Elevation (ft): 4000

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead X Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide X Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) 2

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

E811

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) ~~N~~ Y

E812

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Stymie Owl Group

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T1 - T3

LOCATION DATA

State: Az County: Pima Township: 23S Range: 9E Section: 9

Latitude: N 31 26 54 Longitude: W 111 28 36 Elevation (ft): 4000

7.5' or 15' Quadrangle Map Name: Cumero Mtn. Scale: 24000

Mining or Mineral District: None

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E813

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

Type and number of workings: (indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) 1 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

CONDITION OF SITE AND/OR FEATURE

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other deep shaft

SIZE OF FEATURE (ft)

Length 8 x Width 8 x Height 20

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing X Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color unknown

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed workings

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T283 - T288

LOCATION DATA

State: Az County: Santa Cruz Township: 22S Range: 11E Section: 31

Latitude: N 31 27 55 Longitude: W111 15 36 Elevation (ft): 4500

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury X Zinc __ Other Ag

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E8 15

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) 2

Large Pit (> 10 ft) 1 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing X Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color unknown

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E86

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed workings

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T292-T294

LOCATION DATA

State: Az County: Santa Cruz Township: 22S Range: 11E Section: 31

Latitude: N 31 27 52 Longitude: W 111 15 34 Elevation (ft): 4400

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E817

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 3 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) 1 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing X Filled X Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green X Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed workings

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T866-869

LOCATION DATA

State: Az County: Santa Cruz Township: 24S Range: 12E Section: 5

Latitude: N31 21 48 Longitude: W111 08 23 Elevation (ft): unk

7.5' or 15' Quadrangle Map Name: ~~Pajarito Peak~~ Alamo Spring Scale: 24000

Mining or Mineral District: _____

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper __ Lead X Mercury X Zinc X Other Ag

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena __ Marcasite __ Sphalerite X

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) 1

Large Pit (> 10 ft) 1 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

E819

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other Spring

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

[1]Within a table, take only the highest value as the total value for that table.

0287

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: unnamed adit

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T235

LOCATION DATA

State: Az County: Santa Cruz Township: 22 S Range: 10 E Section: 36

Latitude: N 31 28 14 Longitude: W 111 16 55 Elevation (ft): 4380

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E821

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

Type and number of workings: (indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

CONDITION OF SITE AND/OR FEATURE

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

SIZE OF FEATURE (ft)

Length 90 x Width 5 x Height 5

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E822

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed Workings

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T876, T877

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 12E Section: 29

Latitude: N31 23 32 Longitude: W111 08 37 Elevation (ft): 4510

7.5' or 15' Quadrangle Map Name: Ruby Scale: 24000

Mining or Mineral District: _____

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium X Copper __ Lead X Mercury X Zinc X Other ___

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

T823

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena X Marcasite __ Sphalerite X

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) 1

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence X

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed X Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided X

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ___ x Width ___ x Height ___

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E824

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed workings

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T878-T879

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 12E Section: 32

Latitude: N32 23 15 Longitude: W111 08 29 Elevation (ft): 4400

7.5' or 15' Quadrangle Map Name: Ruby Scale: 24000

Mining or Mineral District: _____

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead X Mercury X Zinc X Other ____

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface X Underground __ Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

T825

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) 1

Large Pit (> 10 ft) 2 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

[1]Within a table, take only the highest value as the total value for that table.

E826

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Jarillas

Alternate Name: _____

MASDB MILS Table Sequence number: 0040230237

Date of Report: 12/31/93 Sample number(s): T161- T165

LOCATION DATA

State: Az County: ~~Santa Cruz~~ Santa Cruz Township: 22S Range: 10E Section: 20

Latitude: N31 30 20 Longitude: W111 20 36 Elevation (ft): 4460

7.5' or 15' Quadrangle Map Name: Arivaca Scale: 24000

Mining or Mineral District: Arivaca

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead X Mercury X Zinc X Other ____

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E827

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

Type and number of workings: (indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 2 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) 2 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

CONDITION OF SITE AND/OR FEATURE

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other deep shafts

SIZE OF FEATURE (ft)

Length 53 x Width 53 x Height 85

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E828

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Easter Mine Group

Alternate Name: _____

MASDB MILS Table Sequence number: 0040190200

Date of Report: 12/31/93 Sample number(s): T18 - T28

LOCATION DATA

State: Az County: Pima Township: 22S Range: 9E Section: 14

Latitude: N 31 30 53 Longitude: W 111 24 00 Elevation (ft): 4400

7.5' or 15' Quadrangle Map Name: Wilbur Canyon Scale: 24000

Mining or Mineral District: Arivaca

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E829

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

Type and number of workings: (indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) 6

Large Pit (> 10 ft) 2 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

CONDITION OF SITE AND/OR FEATURE

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

SIZE OF FEATURE (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E830

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: unnamed workings

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T34-T44

LOCATION DATA

State: Az County: Pima Township: 22S Range: 9E Section: 2

Latitude: N 31 32 51 Longitude: W 111 23 39 Elevation (ft): 3920

7.5' or 15' Quadrangle Map Name: Wilbur Canyon Scale: 24000

Mining or Mineral District: Arivaca

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead __ Mercury X Zinc __ Other Ag

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

T831

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

Type and number of workings: (indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

CONDITION OF SITE AND/OR FEATURE

Does the condition of the feature represent a hazard? (y/n) y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other deep shaft

SIZE OF FEATURE (ft)

Length 15 x Width 15 x Height 30

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E832

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed workings

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T555-T557

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 18

Latitude: N31 25 27 Longitude: W111 15 27 Elevation (ft): 4240

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) 2 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence X

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed X Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided X

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

833

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) Y

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Hole-in-the-Rock

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T154-T158

LOCATION DATA

State: Az County: Pima Township: 22S Range: 10E Section: 8

Latitude: N31 31 33 Longitude: W111 20 32 Elevation (ft): 3950

7.5' or 15' Quadrangle Map Name: Arivaca Scale: 24000

Mining or Mineral District: Arivaca

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ___

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E835

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

Type and number of workings: (indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft X1 Glory Hole __ Small Pit or Trench (< 10 ft) 3

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

CONDITION OF SITE AND/OR FEATURE

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other deep shaft

SIZE OF FEATURE (ft)

Length 5 x Width 5 x Height 45

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing X Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color Unknown

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E836

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Contact

Alternate Name: Old Bucket

MASDB MILS Table Sequence number: 0040190168

Date of Report: 12/31/93 Sample number(s): T135-T136

LOCATION DATA

State: Az County: Pima Township: 22S Range: 10E Section: 8

Latitude: N 313158 Longitude: W 111 20 20 Elevation (ft): 4160

7.5' or 15' Quadrangle Map Name: Arivaca Scale: 24000

Mining or Mineral District: Arivaca

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury X Zinc __ Other Ag

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide X Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

Type and number of workings: (indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

CONDITION OF SITE AND/OR FEATURE

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other deep shaft

SIZE OF FEATURE (ft)

Length 8 x Width 6 x Height 30

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color unknown

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____.

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E838

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed workings

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T583 - T588

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 17

Latitude: N31 25 30 Longitude: W111 14 30 Elevation (ft): 3880

7.5' or 15' Quadrangle Map Name: Ruby Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E839

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline __ Shaft 3 Glory Hole __ Small Pit or Trench (< 10 ft) 1

Large Pit (> 10 ft) 1 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing X Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color unknown

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) Y

E 840

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2B = Status (Table E-2).
1.2C = Type (Table E-3).
1.2D = Size (Table E-4).
1E = Milling Method (Table E-5).
1.2F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2B = Status (Table E-2).
1.2C = Type (Table E-3).
1.2D = Size (Table E-4).
1E = Milling Method (Table E-5).
1.8F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed workings

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T721 - T724

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 20

Latitude: N 31 25 06 Longitude: W 111 14 15 Elevation (ft): 3720

7.5' or 15' Quadrangle Map Name: Ruby Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other Ag

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite X

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) 1 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved X Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

E84

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing X Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color unknown

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) Y

E842

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2B = Status (Table E-2).
1.2C = Type (Table E-3).
1.2D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2B = Status (Table E-2).
1.2C = Type (Table E-3).
1.2D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed workings

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T559-T569

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 18

Latitude: N31 25 18 Longitude: W111 15 24 Elevation (ft): 4160

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other Au

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E843

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 4 Decline __ Shaft 3 Glory Hole __ Small Pit or Trench (< 10 ft) 1

Large Pit (> 10 ft) 2 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved X Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other deep shafts

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing X Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color Unknown

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) Y

E844

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: unnamed working

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): ~~T170 - T184~~ T175 - T180

LOCATION DATA

State: Az County: Santa Cruz Township: 22S Range: 10E Section: 20

Latitude: N31 30 16 Longitude: W 111 19 37 Elevation (ft): 4550

7.5' or 15' Quadrangle Map Name: Arivaca Scale: 24000

Mining or Mineral District: _____

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect X Developed Prospect __

Status Unknown __

Type of Operation:

Surface X Underground __ Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E845

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

Type and number of workings: (indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) 1 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

CONDITION OF SITE AND/OR FEATURE

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded X Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

SIZE OF FEATURE (ft)

Length 162 x Width 180 x Height 25

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site X Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.4 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 21.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed Workings

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T859-T861

LOCATION DATA

State: Az County: Santa Cruz Township: 24S Range: 12E Section: 4

Latitude: N 31 22 25 Longitude: W 111 07 30 Elevation (ft): unk

7.5' or 15' Quadrangle Map Name: Pajarito Peak Scale: 24000

Mining or Mineral District: _____

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead X Mercury X Zinc X Other Ag

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

T847

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) 2 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other deep shaft

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site X Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E848

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.4 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 21.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed workings

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T856-857

LOCATION DATA

State: Az County: Santa Cruz Township: 24S Range: 12E Section: 4

Latitude: N31 22 09 Longitude: W 111 07 09 Elevation (ft): unk

7.5' or 15' Quadrangle Map Name: Pajarito Peak Scale: 24000

Mining or Mineral District: _____

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury X Zinc X Other Ag

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) 1 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

E849

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing X Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color unknown

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site X Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.4 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 21.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed workings

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T909- T926

LOCATION DATA

State: Az County: Pima Township: 22S Range: 11E Section: 26,~~35~~

Latitude: N 31 33 57 Longitude: W111 11 49 Elevation (ft): 4000

7.5' or 15' Quadrangle Map Name: Murphy Peak Scale: 24000

Mining or Mineral District: _____

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

Type and number of workings: (indicate with an X or 1, 2, etc.)

Adit 2 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) 3

Large Pit (> 10 ft) 2 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

CONDITION OF SITE AND/OR FEATURE

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved X Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

SIZE OF FEATURE (ft)

Length ____ x Width ____ x Height ____

E851

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site X Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E852

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.4 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 21.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed shaft

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T862

LOCATION DATA

State: Az County: Santa Cruz Township: 24S Range: 12E Section: 4

Latitude: N 31 22 08 Longitude: W 111 07 38 Elevation (ft): Unk

7.5' or 15' Quadrangle Map Name: Pajarito Peak Scale: 24000

Mining or Mineral District: _____

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead X Mercury __ Zinc X Other Ag

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E853

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other deep shaft

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing X Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color unknown

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site X Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E854

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

8 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.4 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 19.4

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: unnamed workings

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T940 - T942

LOCATION DATA

State: Az County: Santa Cruz Township: 22S Range: 12E Section: 9

Latitude: N31 39 32 Longitude: W111 6 44 Elevation (ft): 4400

7.5' or 15' Quadrangle Map Name: Tubac Scale: 24000

Mining or Mineral District: _____

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E855

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) 1 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 10.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

[1]Within a table, take only the highest value as the total value for that table.

E856

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed workings

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T873 - T874

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 12E Section: 29

Latitude: N31 23 34 Longitude: W111 08 12 Elevation (ft): 4400

7.5' or 15' Quadrangle Map Name: Ruby Scale: 24000

Mining or Mineral District: _____

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead X Mercury __ Zinc X Other ____

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface X Underground __ Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E857

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena X Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) X Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded X Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length 30 x Width 20 x Height 20

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E 8858

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

5 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 10.4

Human Hazard (HH):

8 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 24.9

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed workings

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T750, T751

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 30

Latitude: N 31 24 06 Longitude: W111 15 00 Elevation (ft): 3680

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: _____

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium X Copper X Lead X Mercury __ Zinc X Other ____

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E857

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena X Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 2 Glory Hole __ Small Pit or Trench (< 10 ft) 1

Large Pit (> 10 ft) 1 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing X Filled X Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color unknown

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E860

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

5 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 10.4

Human Hazard (HH):

8 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 24.9

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed outcrop

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T736 - T738

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 20

Latitude: N31 24 47 Longitude: W111 24 49 Elevation (ft): 3800

7.5' or 15' Quadrangle Map Name: Ruby Scale: 24/000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect X Developed Prospect __

Status Unknown __

Type of Operation:

Surface X Underground __ Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E861

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) 2 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) Y

E862

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 10.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 23.3

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: unnamed prospects

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T772-T774

LOCATION DATA

State: Az County: Santa Cruz Township: 23 S Range: 12 E Section: 34

Latitude: N31 22 40 Longitude: W111 5 41 Elevation (ft): 4100

7.5' or 15' Quadrangle Map Name: Pena Blanca Lake Scale: 24000

Mining or Mineral District: Pajarito

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper __ Lead X Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect X Developed Prospect __

Status Unknown __

Type of Operation:

Surface X Underground __ Surface and Underground __ Mineral Location __

Placer __ Prospect X Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

T863

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) 3

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake X Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) __

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 10.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 23.3

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

E 864

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Loma de Manganese?

Alternate Name: _____

MASDB MILS Table Sequence number: 004023 0012

Date of Report: 12/31/93 Sample number(s): T322

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 10E Section: 1

Latitude: N31 27 14 Longitude: W111 15 04 Elevation (ft): 4406

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect X Developed Prospect __

Status Unknown __

Type of Operation:

Surface X Underground __ Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E865

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) X Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (Y/n) N

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing X Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color unknown

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E866

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.0 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 10.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.0 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.0 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 23.3

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: unnamed working

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T758

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 30

Latitude: N 31 23 31 Longitude: W 111 15 28 Elevation (ft): 3720

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect X Developed Prospect __

Status Unknown __

Type of Operation:

Surface X Underground __ Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E867

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length 4 x Width 4 x Height 6

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E868

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1 B = Status (Table E-2).
1.2C = Type (Table E-3).
1.2D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 10.4

Human Hazard (HH):

9A = Commodity (Table E-1, Human column).
1 B = Status (Table E-2).
1.2C = Type (Table E-3).
1.2D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 23.3

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: unnamed prospect

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T784

LOCATION DATA

State: Az County: Santa Cruz Township: 24S Range: 12E Section: 3

Latitude: N31 22 04 Longitude: W111 6 27 Elevation (ft): 4400

7.5' or 15' Quadrangle Map Name: Pajarito Peak Scale: 24000

Mining or Mineral District: Pajarito

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect X Developed Prospect __

Status Unknown __

Type of Operation:

Surface X Underground __ Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) X Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length 25 x Width 4 x Height 5

E869

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake X Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E870

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 10.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 23.3

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed working

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T632

LOCATION DATA

State: AZ County: Santa Cruz Township: 23S Range: 11E Section: 19

Latitude: N31 24 50 Longitude: W111 15 46 Elevation (ft): 4120

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium X Copper __ Lead __ Mercury X Zinc X Other ____

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect X Developed Prospect __

Status Unknown __

Type of Operation:

Surface X Underground __ Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) 1X Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

E871

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) ~~N~~ Y

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 10.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 23.3

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed working

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T650

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 19

Latitude: N31 24 58 Longitude: W111 15 29 Elevation (ft): 4190

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect X Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E873

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) ~~N~~ Y

E874

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 16.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 23.3

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed prospect

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T349

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 5

Latitude: N31 27 29 Longitude: W 111 14 50 Elevation (ft): 4080

7.5' or 15' Quadrangle Map Name: Ruby Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect X Developed Prospect __

Status Unknown __

Type of Operation:

Surface X Underground __ Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

5875

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road X 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E876

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 8.6

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
2 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 25.9

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: unnamed shaft

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T46, T47

LOCATION DATA

State: AZ County: Pima Township: 22S Range: 10E Section: 5

Latitude: N31 32 59 Longitude: W111 20 35 Elevation (ft): 3810

7.5' or 15' Quadrangle Map Name: Arivaca Scale: 24000

Mining or Mineral District: Arivaca

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper __ Lead X Mercury __ Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E877

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

Type and number of workings: (indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

CONDITION OF SITE AND/OR FEATURE

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other deep shaft

SIZE OF FEATURE (ft)

Length 10 x Width 15 x Height 25

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E878

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

5 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 8.6

Human Hazard (HH):

8 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 24.9

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed Working

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T742

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 20

Latitude: N 31 24 34 Longitude: W 111 14 49 Elevation (ft): 3800

7.5' or 15' Quadrangle Map Name: Ruby Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect X Developed Prospect __

Status Unknown __

Type of Operation:

Surface X Underground __ Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) X Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

E879

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

F880

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 8.6

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 23.3

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Argonaut Reefs

Alternate Name: _____

MASDB MILS Table Sequence number: 0040230105

Date of Report: 12/31/93 Sample number(s): T378

LOCATION DATA

State: AZ County: Santa Cruz Township: 23S Range: 10E Section: 12

Latitude: N31 26 40 Longitude: W111 16 30 Elevation (ft): 4400

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ___

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect X Developed Prospect __

Status Unknown __

Type of Operation:

Surface X Underground __ Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) X 1

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 8.6

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 23.3

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

[1]Within a table, take only the highest value as the total value for that table.

E882

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: unnamed working

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T693, T694

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 19

Latitude: N 31 24 37 Longitude: W 111 15 02 Elevation (ft): 3760

7.5' or 15' Quadrangle Map Name: Bartlett mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead X Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect X Developed Prospect __

Status Unknown __

Type of Operation:

Surface X Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit X Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) 1

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

T883

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) ~~N~~ Y

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.0 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = ~~[illegible]~~ 8.6

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.0 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = ~~[illegible]~~ 23.3

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: unnamed working

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T 695

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 19

Latitude: N 31 24 35 Longitude: W 111 14 57 Elevation (ft): _____

7.5' or 15' Quadrangle Map Name: Ruby Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect X Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground ~~X~~ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E885

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) 1 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 8.6

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 23.3

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

[1]Within a table, take only the highest value as the total value for that table.

E886

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: unnamed outcrop

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T761, T762

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 12E Section: 34

Latitude: N 31 22 42 Longitude: W 111 06 19 Elevation (ft): 4200

7.5' or 15' Quadrangle Map Name: Pena Blanca Lake Scale: 24000

Mining or Mineral District: Pajarito

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ___

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect X Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground __ Mineral Location X

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E887

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other outcrop

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake X Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1 B = Status (Table E-2).
1 C = Type (Table E-3).
1.0 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 8.6

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1 B = Status (Table E-2).
1 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 19.4

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed Working

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T949

LOCATION DATA

State: Az County: Santa Cruz Township: 24S Range: 13 E Section: 18

Latitude: N 31 20 04 Longitude: W 111 03 28 Elevation (ft): Unk

7.5' or 15' Quadrangle Map Name: Rajarito Peak Scale: 24000

Mining or Mineral District: _____

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect X Developed Prospect __

Status Unknown __

Type of Operation:

Surface X Underground __ Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

T 88 L

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site X Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E890

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 8.6

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.4 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 18.1

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed Outcrop

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/3/93 Sample number(s): T944

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 12E Section: 24

Latitude: N31 24 40 Longitude: W111 03 46 Elevation (ft): 3750

7.5' or 15' Quadrangle Map Name: Pena Blanca Lake Scale: 24000

Mining or Mineral District: _____

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect X Developed Prospect __

Status Unknown __

Type of Operation:

Surface X Underground __ Surface and Underground __ Mineral Location X

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E89

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other ____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E 892

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1 B = Status (Table E-2).
1 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 7.2

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1 B = Status (Table E-2).
1 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 19.4

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed outcrop

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T575

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 18

Latitude: N31 25 19 Longitude: W111 14 59 Elevation (ft): 3910

7.5' or 15' Quadrangle Map Name: Ruby Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect X Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground __ Mineral Location X

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E893

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) Y

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1 B = Status (Table E-2).
1 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 7.2

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1 B = Status (Table E-2).
1 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 19.4

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed outcrop

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T946

LOCATION DATA

State: Az County: Santa Cruz Township: 24S Range: 12E Section: 18

Latitude: N31 19 51 Longitude: W111 03 13 Elevation (ft): unk

7.5' or 15' Quadrangle Map Name: Pajarito Peak Scale: 24000

Mining or Mineral District: _____

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect X Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground __ Mineral Location X

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

E895

WATER

Are bodies of water found on or near the site? (y/n) Y

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream X Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site X Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E896

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1 B = Status (Table E-2).
1 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 7.2

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1 B = Status (Table E-2).
1 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.4 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 15.1

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed workings

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T437-T438

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 7

Latitude: N31 26 21 Longitude: W111 15 24 Elevation (ft): 4160

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury __ Zinc __ Other Au

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E897

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) 2 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation X Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing X Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color unknown

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

2 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.5 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 5.2

Human Hazard (HH):

2 A = Commodity (Table E-1, Human column).
1.5 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 7.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is C.

[1]Within a table, take only the highest value as the total value for that table.

T898

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed shafts

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T211, T212

LOCATION DATA

State: Az County: Santa Cruz Township: 22S Range: 10E Section: 28 29

Latitude: N 31 29 19 Longitude: W 111 19 04 Elevation (ft): 4680

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: _____

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury __ Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E899

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

Type and number of workings: (indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 2 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

CONDITION OF SITE AND/OR FEATURE

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other deep shaft

SIZE OF FEATURE (ft)

Length 15 x Width 5 x Height 35

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

1 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2B = Status (Table E-2).
1.2C = Type (Table E-3).
1.2D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 2.1

Human Hazard (HH):

1 A = Commodity (Table E-1, Human column).
1.2B = Status (Table E-2).
1.2C = Type (Table E-3).
1.2D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 3.1

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is C.

[1]Within a table, take only the highest value as the total value for that table.

E900

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed workings

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T395

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 7

Latitude: N 31 26 52 Longitude: W 111 15 19 Elevation (ft): 4350

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury __ Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E901

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) 5

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved X Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing X Filled __ Partly Filled X Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color Unknown

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E902

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

1 A =	Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B =	Status (Table E-2).
1.2 C =	Type (Table E-3).
1.2 D =	Size (Table E-4).
1 E =	Milling Method (Table E-5).
1.2 F =	Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 2.1

Human Hazard (HH):

1 A =	Commodity (Table E-1, Human column).
1.2 B =	Status (Table E-2).
1.2 C =	Type (Table E-3).
1.2 D =	Size (Table E-4).
1 E =	Milling Method (Table E-5).
1.8 F =	Access (Table 9).

[1]HH = A x B x C x D x E x F = 3.1

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is C.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: unnamed adit

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T181-T185

LOCATION DATA

State: Az County: Santa Cruz Township: 22 S Range: 10 E Section: 20

Latitude: N 31 30 08 Longitude: W 111 19 20 Elevation (ft): 4450

7.5' or 15' Quadrangle Map Name: Arivaca Scale: 24000

Mining or Mineral District: _____

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury __ Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect X

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E903

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

Type and number of workings: (indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other stope to surface

CONDITION OF SITE AND/OR FEATURE

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other stope to surface

SIZE OF FEATURE (ft)

Length 190 x Width 5 x Height 5

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site X Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E904

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

1 A =	Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B =	Status (Table E-2).
1.2 C =	Type (Table E-3).
1.2 D =	Size (Table E-4).
1 E =	Milling Method (Table E-5).
1.2 F =	Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 2.1

Human Hazard (HH):

1 A =	Commodity (Table E-1, Human column).
1.2 B =	Status (Table E-2).
1.2 C =	Type (Table E-3).
1.2 D =	Size (Table E-4).
1 E =	Milling Method (Table E-5).
1.4 F =	Access (Table 9).

[1]HH = A x B x C x D x E x F = 2.4

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is C.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: unnamed shaft

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T169

LOCATION DATA

State: ~~Az~~ County: Santa Cruz Township: 22S Range: 9E Section: 20

Latitude: N 31 30 15 Longitude: W 111 19 40 Elevation (ft): 4580

7.5' or 15' Quadrangle Map Name: Arivaca Scale: 24000

Mining or Mineral District: None

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury __ Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect X Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

Type and number of workings: (indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

CONDITION OF SITE AND/OR FEATURE

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other deep shaft

SIZE OF FEATURE (ft)

Length 4 x Width 6 x Height 25

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing X Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color unknown

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

1 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 1.7

Human Hazard (HH):

1 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 3

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is C.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Tumacacori

Primary Name: Unnamed working

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 12/31/93 Sample number(s): T654

LOCATION DATA

State: Az County: Santa Cruz Township: 23S Range: 11E Section: 19

Latitude: N 31 25 06 Longitude: W 111 15 18 Elevation (ft): 4170

7.5' or 15' Quadrangle Map Name: Bartlett Mtn. Scale: 24000

Mining or Mineral District: Oro Blanco

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury __ Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect X Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E907

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other deepshaft

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) Y

E 908

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

[1]A =	Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
[1]B =	Status (Table E-2).
[1].2C =	Type (Table E-3).
[1].2D =	Size (Table E-4).
[1]E =	Milling Method (Table E-5).
[1]F =	Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 1.4

Human Hazard (HH):

[1]A =	Commodity (Table E-1, Human column).
[1]B =	Status (Table E-2).
[1].2C =	Type (Table E-3).
[1].2D =	Size (Table E-4).
[1]E =	Milling Method (Table E-5).
[1].8F =	Access (Table 9).

[1]HH = A x B x C x D x E x F = 2.6

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is C.

---

[1]Within a table, take only the highest value as the total value for that table.

APPENDIX E

DOCUMENTATION FOR DERIVATION OF EH AND HH VALUES

WHETSTONE

							Page
Whetstone	Chadwick	WH37-WH49	N315011	W1102154	20.7	A	E 911
Whetstone	Evening Star	WH31-WH36	N315014	W1102213	20.7	A	E 913
Whetstone	Two Peaks and vicinity	WH88-WH96	N314605	W1102542	20.7	A	E 915
Whetstone	Bluestone	WH23-WH27	N315039	W1102206	20.7	A	E 917
Whetstone	Windmill Group	WH9, WH 10	N315306	W1102316	17.3	B	E 919
Whetstone	Copper Plate	WH103	N314604	W1102744	14.4	B	E 921
Whetstone	Unnamed workings	WH2, WH3	N315221	W1102412	12.4	B	E 923
Whetstone	David Lee	WH98-WH100	N314558	W1102521	12.4	B	E 925
Whetstone	Unnamed working	WH15, WH16	N315301	W1102147	10.4	B	E 927
Whetstone	Unnamed working	WH4, WH5	N315341	W1102418	10.4	B	E 929
Whetstone	Unnamed adit	WH86, WH87	N314611	W1102523	10.4	B	E 931
Whetstone	Unnamed adit	WH85	N314612	W1102538	10.4	B	E 933
Whetstone	Unnamed working	WH102	N312302	W1102454	08.6	B	E 935
Whetstone	Unnamed working	WH1	N315445	W1102641	08.6	B	E 937
Whetstone	Unnamed working	WH105	N315258	W1102648	08.6	B	E 939
Whetstone	Unnamed workings	WH97	N314604	W1102443	07.2	B	E 941
Whetstone	Unnamed workings	WH101	N314546	W1102518	06.9	C	E 943
Whetstone	James	WH29, WH30	N315021	W1102229	05.8	C	E 945
Whetstone	Lone Star	WH52	N314957	W1102203	03.4	C	E 947

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Whetstone

Primary Name: Chadwick

Alternate Name: Houston

MASDB MILS Table Sequence number: 0040030254

Date of Report: 9/30/93 Sample number(s): WA37-WH49

LOCATION DATA

State: Az County: Cochise Township: 18S Range: 19E Section: 26

Latitude: N31 50 11 Longitude: W110 21 54 Elevation (ft): 4880

7.5' or 15' Quadrangle Map Name: McGrew Spring Scale: 24000

Mining or Mineral District: Whetstone

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other W

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft 3 Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) X Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other deep shaft

Size of Feature (ft)

Length ____ x Width ____ x Height ____

E911

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E-912

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Whetstone

Primary Name: Evening Star

Alternate Name: _____

MASDB MILS Table Sequence number: 0040030272

Date of Report: 9/30/93 Sample number(s): WH31-WH36

LOCATION DATA

State: AZ County: Cochise Township: 18S Range: 19E Section: 26

Latitude: N31 50 14 Longitude: W110 22 13 Elevation (ft): 5220

7.5' or 15' Quadrangle Map Name: McGrew Spring Scale: 24000

Mining or Mineral District: Whetstone

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other W

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E913

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 3 Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) 5

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other shaft

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing X Filled X Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color Unknown

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E914

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Whetstone

Primary Name: Two Peaks and vicinity

Alternate Name: Black Oak

MASDB MILS Table Sequence number: _____

Date of Report: 9/30/93 Sample number(s): WH88-WH96

LOCATION DATA

State: AZ County: Cochise Township: 19S Range: 19E Section: 20

Latitude: N31 46 05 Longitude: W110 25 42 Elevation (ft): 6160

7.5' or 15' Quadrangle Map Name: Apache Peak Scale: 24000

Mining or Mineral District: Whetstone

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead X Mercury X Zinc __ Other Ag

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E915

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 2 Decline __ Shaft 2 Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) X Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile X Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact X Subsided __

Foundation __ Prone to Wind Erosion __ Other deep shafts

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site __ Trail or undrivable Road X Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E916

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2B = Status (Table E-2).
1.2C = Type (Table E-3).
1.2D = Size (Table E-4).
1E = Milling Method (Table E-5).
1.2F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7

Human Hazard (HH):

9A = Commodity (Table E-1, Human column).
2B = Status (Table E-2).
1.2C = Type (Table E-3).
1.2D = Size (Table E-4).
1E = Milling Method (Table E-5).
1.2F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 31.1

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Whetstone

Primary Name: Blue stone

Alternate Name: _____

MASDB MILS Table Sequence number: —

Date of Report: 9/30/93 Sample number(s): WH23-WH27

LOCATION DATA

State: Az County: Cochise Township: 18S Range: 19E Section: 26

Latitude: N31 50 39 Longitude: W110 22 06 Elevation (ft): 5266

7.5' or 15' Quadrangle Map Name: Mc Grew Spring Scale: 24000

Mining or Mineral District: Whetstone

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other __

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 6 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved X Concealed __ Partly Concealed __

Collapsed X Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

E91

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing X Filled X Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color Unknown

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site __ Trail or undrivable Road X Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2B = Status (Table E-2).
1.2C = Type (Table E-3).
1.2D = Size (Table E-4).
1E = Milling Method (Table E-5).
1.2F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 20.7

Human Hazard (HH):

9A = Commodity (Table E-1, Human column).
2B = Status (Table E-2).
1.2C = Type (Table E-3).
1.2D = Size (Table E-4).
1E = Milling Method (Table E-5).
1.2F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 31.1

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

---

[1]Within a table, take only the highest value as the total value for that table.

E-918

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Whetstone

Primary Name: Windmill Group

Alternate Name: _____

MASDB MILS Table Sequence number: 0040030703

Date of Report: 9/30/93 Sample number(s): WH9, WH10

LOCATION DATA

State: AZ County: Cochise Township: 18S Range: 19E Section: 10

Latitude: N31 53 16 Longitude: W110 23 16 Elevation (ft): 4980

7.5' or 15' Quadrangle Map Name: Mescal Scale: 24000

Mining or Mineral District: Whetstone

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other U

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface X Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed X Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

E19

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E920

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other windmill

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 17.3

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 46.7

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

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[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Whetstone

Primary Name: Copper Plate

Alternate Name: _____

MASDB MILS Table Sequence number: 004 019 0177

Date of Report: 09/30/91 Sample number(s): WH103

LOCATION DATA

State: Az County: Pima Township: 19S Range: 18E Section: 24

Latitude: N31 46 04 Longitude: W110 27 44 Elevation (ft): 5640

7.5' or 15' Quadrangle Map Name: Apache Peak Scale: 24000

Mining or Mineral District: Whetstone

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead __ Mercury __ Zinc __ Other Si

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface X Underground __ Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E921

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) X Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N/

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E922

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

5 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 14.4

Human Hazard (HH):

5 A = Commodity (Table E-1, Human column).
.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 25.9

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Whetstone

Primary Name: Unnamed workings

Alternate Name: _____

MASDB MILS Table Sequence number: —

Date of Report: 9/30/93 Sample number(s): WH2, WH3

LOCATION DATA

State: Az County: Cochise Township: 18S Range: 19E Section: 16

Latitude: N 31 52 21 Longitude: W 110 24 12 Elevation (ft): 5580

7.5' or 15' Quadrangle Map Name: Apache Peak Scale: 24000

Mining or Mineral District: Whetstone

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium X Copper __ Lead X Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E923

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 3 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded X Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other deep shaft

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E924

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Whetstone

Primary Name: David Lee

Alternate Name: _____

MASDB MILS Table Sequence number: _____

Date of Report: 9/30/93 Sample number(s): WH98-WH100

LOCATION DATA

State: Az County: Cochise Township: 19S Range: 19S Section: 20

Latitude: N31 45 58 Longitude: W110 25 21 Elevation (ft): 5850

7.5' or 15' Quadrangle Map Name: Apache Peak Scale: 24000

Mining or Mineral District: Whetstone

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E925

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) 1

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact X Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site __ Trail or undrivable Road X Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E926

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2B = Status (Table E-2).
1.2C = Type (Table E-3).
1.2D = Size (Table E-4).
1E = Milling Method (Table E-5).
1.2F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

9A = Commodity (Table E-1, Human column).
1.2B = Status (Table E-2).
1.2C = Type (Table E-3).
1.2D = Size (Table E-4).
1E = Milling Method (Table E-5).
1.2F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 18.7

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Whetstone

Primary Name: Unnamed working

Alternate Name: _____

MASDB MILS Table Sequence number: —

Date of Report: 9/30/93 Sample number(s): WH15, WH16

LOCATION DATA

State: Az County: Cochise Township: 18S Range: 19E Section: 12

Latitude: N31 53 01 Longitude: W110 21 47 Elevation (ft): 4800

7.5' or 15' Quadrangle Map Name: Benson Scale: 24000

Mining or Mineral District: Whetstone

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E927

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other deep shaft

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) Y

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing X Filled X Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color unknown

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) Y

E928

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2B = Status (Table E-2).
1.2C = Type (Table E-3).
1.2D = Size (Table E-4).
1E = Milling Method (Table E-5).
1F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 10.4

Human Hazard (HH):

9A = Commodity (Table E-1, Human column).
1.2B = Status (Table E-2).
1.2C = Type (Table E-3).
1.2D = Size (Table E-4).
1E = Milling Method (Table E-5).
1.8F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Whetstone

Primary Name: Unnamed working

Alternate Name: _____

MASDB MILS Table Sequence number: –

Date of Report: 9/30/93 Sample number(s): WH4, WH5

LOCATION DATA

State: Az County: Cochise Township: 18S Range: 19E Section: 4

Latitude: N31 53 41 Longitude: W110 24 18 Elevation (ft): 4930

7.5' or 15' Quadrangle Map Name: Mescal Scale: 24000

Mining or Mineral District: Whetstone

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper X Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect X Developed Prospect __

Status Unknown __

Type of Operation:

Surface X Underground __ Surface and Underground __ Mineral Location X

Placer __ Prospect X Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E929

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) 1 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other shaft

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E930

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1 B = Status (Table E-2).
1.2C = Type (Table E-3).
1.2D = Size (Table E-4).
1E = Milling Method (Table E-5).
1.2F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 10.4

Human Hazard (HH):

9A = Commodity (Table E-1, Human column).
1 B = Status (Table E-2).
1.2C = Type (Table E-3).
1.2D = Size (Table E-4).
1E = Milling Method (Table E-5).
1.8F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 23.3

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Whetstone

Primary Name: Unnamed adit

Alternate Name: _____

MASDB MILS Table Sequence number: —

Date of Report: 9/30/93 Sample number(s): WH86, WH87

LOCATION DATA

State: Az County: Cochise Township: 19S Range: 19E Section: 20

Latitude: N31 46 11 Longitude: W110 25 23 Elevation (ft): 5760

7.5' or 15' Quadrangle Map Name: Apache Peak Scale: 24000

Mining or Mineral District: Whetstone

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper X Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E931

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact X Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) X

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site __ Trail or undrivable Road X Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E932

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2B = Status (Table E-2).
1.2C = Type (Table E-3).
1.2D = Size (Table E-4).
1E = Milling Method (Table E-5).
1F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 10.4

Human Hazard (HH):

9A = Commodity (Table E-1, Human column).
1.2B = Status (Table E-2).
1.2C = Type (Table E-3).
1.2D = Size (Table E-4).
1E = Milling Method (Table E-5).
1.2F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 18.7

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Whetstone

Primary Name: Unnamed adit

Alternate Name: _____

MASDB MILS Table Sequence number: —

Date of Report: 9/30/93 Sample number(s): WH 85

LOCATION DATA

State: Az County: Cochise Township: 19S Range: 19E Section: 20

Latitude: N31 46 12 Longitude: W110 25 38 Elevation (ft): 5970

7.5' or 15' Quadrangle Map Name: Apache Peak Scale: 24000

Mining or Mineral District: Whetstone

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect X Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E933

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact X Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site __ Trail or undrivable Road X Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E-34

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 10.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 15.6

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Whetstone

Primary Name: Unnamed working

Alternate Name: _____

MASDB MILS Table Sequence number: –

Date of Report: 9/30/93 Sample number(s): WH102

LOCATION DATA

State: Az County: Cochise Township: 19S Range: 19E Section: 28

Latitude: N31 23 02 Longitude: W110 24 54 Elevation (ft): 5420

7.5' or 15' Quadrangle Map Name: Apache Peak Scale: 24000

Mining or Mineral District: Whetstone

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium X Copper __ Lead X Mercury __ Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

5935

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx X

Neutralizing Host Rock:

Dolomite __ Limestone X Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other deep shaft

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E936

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

5 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 8.6

Human Hazard (HH):

8 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 24.9

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Whetstone

Primary Name: Unnamed Working

Alternate Name: _____

MASDB MILS Table Sequence number: --

Date of Report: 9/30/93 Sample number(s): WH1

LOCATION DATA

State: Az County: Cochise Township: 17S Range: 19E Section: 31

Latitude: N31 54 45 Longitude: W110 26 41 Elevation (ft): 4560

7.5' or 15' Quadrangle Map Name: Mescal Scale: 24000

Mining or Mineral District: Whetstone

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect X Developed Prospect __

Status Unknown __

Type of Operation:

Surface X Underground __ Surface and Underground __ Mineral Location __

Placer __ Prospect X Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E937

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) 1 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E538

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 8.6

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 23.3

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Whetstone

Primary Name: Unnamed working

Alternate Name: _____

MASDB MILS Table Sequence number: –

Date of Report: 9/20/93 Sample number(s): WH105

LOCATION DATA

State: Az County: Cochise Township: 18S Range: 19E Section: 7

Latitude: N31 52 58 Longitude: W110 26 48 Elevation (ft): 5200

7.5' or 15' Quadrangle Map Name: Mescal Scale: 24000

Mining or Mineral District: Whetstone

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury X Zinc __ Other ____

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect X Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E936

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone X Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 1 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site __ Trail or undrivable Road X Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E640

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 8.6

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.2 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 15.6

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Whetstone

Primary Name: Unnamed workings

Alternate Name: _____

MASDB MILS Table Sequence number: —

Date of Report: 9/30/93 Sample number(s): WH97

LOCATION DATA

State: AZ County: Cochise Township: 19S Range: 19E Section: 21

Latitude: N31 46 04 Longitude: W110 24 43 Elevation (ft): 5440

7.5' or 15' Quadrangle Map Name: Apache Peak Scale: 24000

Mining or Mineral District: Whetstone

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium X Copper __ Lead __ Mercury __ Zinc X Other ____

Status of Operation:

Past Producer __ Explored Prospect __ Raw Prospect X Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E941

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide X Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone X Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) 2

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact X Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E942

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

5 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 7.2

Human Hazard (HH):

8 A = Commodity (Table E-1, Human column).
1 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1.8 F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 20.7

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is B.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Whetstone

Primary Name: Unnamed workings

Alternate Name: _____

MASDB MILS Table Sequence number: -

Date of Report: 9/30/93 Sample number(s): WH101

LOCATION DATA

State: Az County: Cochise Township: 19S Range: 19E Section: 20

Latitude: N31 45 46 Longitude: W110 25 18 Elevation (ft): 5600

7.5' or 15' Quadrangle Map Name: Apache Peak Scale: 24000

Mining or Mineral District: Whetstone

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic X Cadmium __ Copper __ Lead __ Mercury __ Zinc __ Other ___

Status of Operation:

Past Producer __ Explored Prospect X Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E943

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone X Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) X

Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) N

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact X Subsided __

Foundation __ Prone to Wind Erosion __ Other _____

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E944

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

4 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
1.2B = Status (Table E-2).
1.2C = Type (Table E-3).
1.2D = Size (Table E-4).
1E = Milling Method (Table E-5).
1F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 6.9

Human Hazard (HH):

7A = Commodity (Table E-1, Human column).
1.2B = Status (Table E-2).
1.2C = Type (Table E-3).
1.2D = Size (Table E-4).
1E = Milling Method (Table E-5).
1.8F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 21.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is C.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Whetstone

Primary Name: James

Alternate Name: Nunnelley

MASDB MILS Table Sequence number: 004 003 0288

Date of Report: 9/30/93 Sample number(s): WH29, WH30

LOCATION DATA

State: Az County: Cochise Township: 18S Range: 19E Section: 26

Latitude: N31 50 21 Longitude: W110 22 29 Elevation (ft): 5500

7.5' or 15' Quadrangle Map Name: McGrew Spring Scale: 24000

Mining or Mineral District: Whetstone

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury __ Zinc __ Other W

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground __ Surface and Underground X Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E745

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit 1 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) 1

Large Pit (> 10 ft) 5 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed X Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other bad overhang

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site __

4WD Road > 1/2 mi from site __ Trail or undrivable Road X Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

E946

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other _____

HAZARD CALCULATIONS

Environmental Hazard (EH):

2A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2B = Status (Table E-2).
1.2C = Type (Table E-3).
1.2D = Size (Table E-4).
1E = Milling Method (Table E-5).
1F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 5.8

Human Hazard (HH):

2A = Commodity (Table E-1, Human column).
2B = Status (Table E-2).
1.2C = Type (Table E-3).
1.2D = Size (Table E-4).
1E = Milling Method (Table E-5).
1.2F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 6.9

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is C.

---

[1]Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC

Management Unit: Whetstone

Primary Name: Lone Star

Alternate Name: H & D

MASDB MILS Table Sequence number: 0040030001

Date of Report: 9/30/93 Sample number(s): WH52

LOCATION DATA

State: Az County: Cochise Township: 18S Range: 19E Section: 35

Latitude: N31 49 57 Longitude: W110 22 03 Elevation (ft): 4910

7.5' or 15' Quadrangle Map Name: McGrew Spring Scale: 24000

Mining or Mineral District: Whetstone

HISTORICAL DATA

Please mark with an X all that apply.

Elements produced and/or noted in geochemical analyses:

Arsenic __ Cadmium __ Copper __ Lead __ Mercury __ Zinc __ Other F

Status of Operation:

Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __

Status Unknown __

Type of Operation:

Surface __ Underground X Surface and Underground __ Mineral Location __

Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __

No Data __

Size based on production of ore to date:

Small (0 to 10,000 st) __ Small to Medium (10,000 to 250,000 st) X

Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

Large (over 1,000,000 st) __

E947

HISTORICAL DATA (con't)

Milling Method:

Amalgamation __ Arrastre __ Gravity __ Crusher only __ Heap Leach __

Leach __ CIP __ Cyanidation __ Stamp __ Flotation __

Jig Plant __ Retort __ No Mill X Unknown __

Acid Producing or Indicating Minerals:

Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __

Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __

Other FeOx __

Neutralizing Host Rock:

Dolomite __ Limestone __ Marble __ Micrite __ Sparite __

Other Carbonate __

TYPE AND NUMBER OF WORKINGS

(indicate with an X or 1, 2, etc.)

Adit __ Decline __ Shaft 2 Glory Hole __ Small Pit or Trench (< 10 ft) __

Large Pit (> 10 ft) 2 Quarry __ Placer __ Building __ Machinery __

Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence X

Other _____

Condition of site and/or feature

Does the condition of the feature represent a hazard? (y/n) Y

Mark all conditions that apply:

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided X

Foundation __ Prone to Wind Erosion __ Other deep shaft

Size of Feature (ft)

Length ____ x Width ____ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) N

Please mark with an X all that apply:

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Other _____

Is water present at the feature? (y/n) N

Is water being produced from the feature? (y/n) N

If water is present, how does it occur?:

Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

If water is present, what color is it?:

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

Other color_____

MACHINERY

Is machinery present at the site? (y/n) N

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) N

If present, give type and location _____

ACCESS

Access is by:

Maintained Road __ 4WD Road to < 1/2 mi of site X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

OTHER

Are any of the following other features present?:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other Scrap wood

HAZARD CALCULATIONS

Environmental Hazard (EH):

1A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2B = Status (Table E-2).
1.2C = Type (Table E-3).
1.4D = Size (Table E-4).
1E = Milling Method (Table E-5).
1F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

[1]EH = A x B x C x D x E x F = 03.4

Human Hazard (HH):

2A = Commodity (Table E-1, Human column).
2B = Status (Table E-2).
1.2C = Type (Table E-3).
1.4D = Size (Table E-4).
1E = Milling Method (Table E-5).
1.8F = Access (Table 9).

[1]HH = A x B x C x D x E x F = 12.1

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A:	EH > 20	These are priority sites.
Category B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is C.

[1]Within a table, take only the highest value as the total value for that table.

E-48