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APPROX. AREA OF DERBY'S 1976 REPORT + MAPS
LITTLE BUTTE
BUTTE FAULT
BLUE PLATE MINE
SCOTCHMAN MINE
ARRASTRE MINE
APEX MINE
CHUCKAWALLA MINE
PLUMMER MINE
JACKSON FAULT
GRANITE MINE
ROUND MOUNTAIN
1300
1200
1100
BURRO MINE
CORNER TOP PROSPECT
PROSPECTOR FAULT
SIDEWALL MINE
QUARTZ FAULT
STREET FAULT
FOUR CORNERS FAULT
1000
900
800
1200
1100

R. 18 W. R. 17 W.

T. 7 N.

Little Butte Mine

Butte VABM 969

JEEP TRAIL

SCOTCHMAN MINE

DUTCHMAN MINE

OLD MAID MINE

AIRSTRIP

Mine

947 908 966 946 1000 1032 1035 1196 1200 1523 1430 1396 1104

1 12 13 14 18 17 19 20 23 24

.07 — PPM MERCURY
only values >.05 shown

← INSIDE LOW OF MERCURY HALO, <.05 ppm Hg

GENERALIZED OUTLINE OF THE DUTCHMAN PLATE, BOUNDED BY THE DUTCHMAN LOW-ANGLE FAULT

MERCURY GEOCHEMICAL MAP
BOUSE AREA
PLOMOSA MINING DISTRICT

LA PAZ COUNTY, ARIZONA

1000' 0 1000'
Scale in Feet

PREPARED FOR: PACIFIC COAST MINES, INC.	CORN & AHERN CONSULTING GEOLOGISTS TUCSON, ARIZONA
PREPARED BY: CORN & AHERN	
DATE: APRIL 1984	PLATE II

R. 18 W. R. 17 W.

T. 7 N.

SCOTCHMAN MINE

DUTCHMAN MINE

OLD MAID MINE

Little Butte Mine

Mine

TRAIL

JEEP TRAIL

AIRSTRIP

Tv

290 PPM (except where shown otherwise) FLUORINE

GENERALIZED OUTLINE OF THE DUTCHMAN PLATE, BOUNDED BY THE DUTCHMAN LOW-ANGLE FAULT

AREA OF ANOMALOUS FLUORINE SHOWING HOST LITHOLOGY

FLUORINE GEOCHEMICAL MAP
BOUSE AREA
PLOMOSA MINING DISTRICT
LA PAZ COUNTY, ARIZONA

1000' 0 1000'
Scale in Feet

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PREPARED BY: CORN & AHERN	
DATE: APRIL 1984	PLATE 10

R. 18 W. R. 17 W.

T. 7 N.

160 —— PPM COPPER, >50 ppm
84 —— PPM MOLYBDENUM, >10 ppm

GENERALIZED OUTLINE OF THE DUTCHMAN PLATE, BOUNDED BY THE DUTCHMAN LOW-ANGLE FAULT

(Tar) AREA OF ANOMALOUS MOLYBDENUM SHOWING HOST LITHOLOGY

COPPER and MOLYBDENUM GEOCHEMICAL MAP BOUSE AREA PLOMOSA MINING DISTRICT

LA PAZ COUNTY, ARIZONA

1000' 0 1000'
Scale in Feet

PREPARED FOR: PACIFIC COAST MINES, INC.	CORN & AHERN CONSULTING GEOLOGISTS TUCSON, ARIZONA
PREPARED BY: CORN & AHERN	
DATE: APRIL 1984	PLATE 9

R. 18 W. R. 17 W.

T. 7 N.

SCOTCHMAN MINE

DUTCHMAN MINE

OLD MAID MINE

Little Butte Mine

Butte VABM 969

JEEP TRAIL

AIRSTRIP

ONLY SAMPLE SITES WITH BARIUM RATIOS

4.5 — >(< 2.0) RATIO OF BARIUM (TOTAL) / BARIUM (ACID SOLUBLE)

GENERALIZED OUTLINE OF THE DUTCHMAN PLATE, BOUNDED BY THE DUTCHMAN LOW-ANGLE FAULT

BARIUM RATIO
BOUSE AREA
PLOMOSA MINING DISTRICT
LA PAZ COUNTY, ARIZONA

1000' 0 1000'
Scale in Feet

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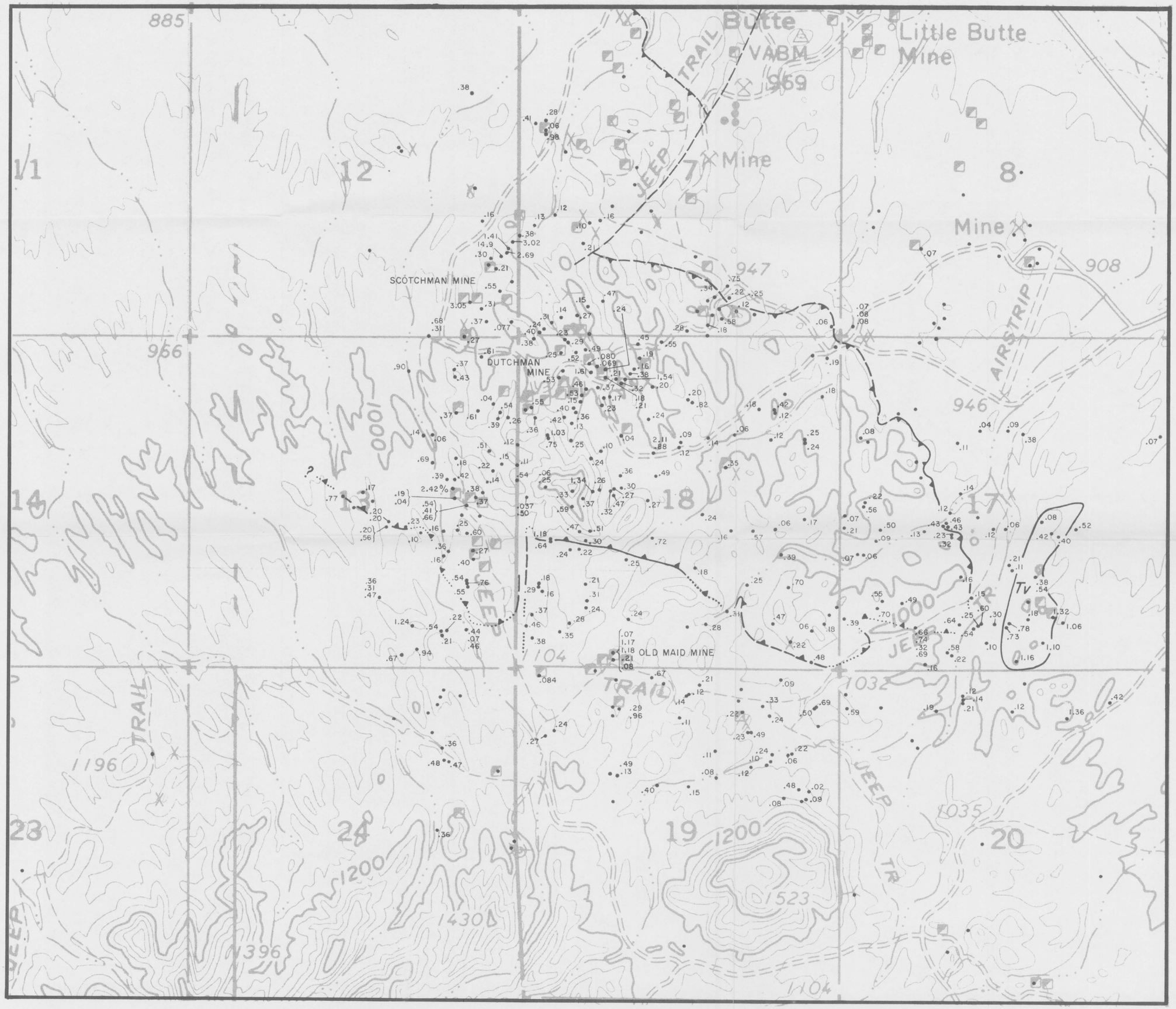
PREPARED BY: CORN & AHERN	
DATE: APRIL 1984	PLATE 8

R. 18 W. R. 17 W.

T. 7 N.



.18 PERCENT TOTAL BARIUM

GENERALIZED OUTLINE OF THE DUTCHMAN PLATE, BOUNDED BY THE DUTCHMAN LOW-ANGLE FAULT

(Tv) AREA OF ANOMALOUS TOTAL BARIUM SHOWING HOST LITHOLOGY

TOTAL BARIUM
BOUSE AREA
PLOMOSA MINING DISTRICT

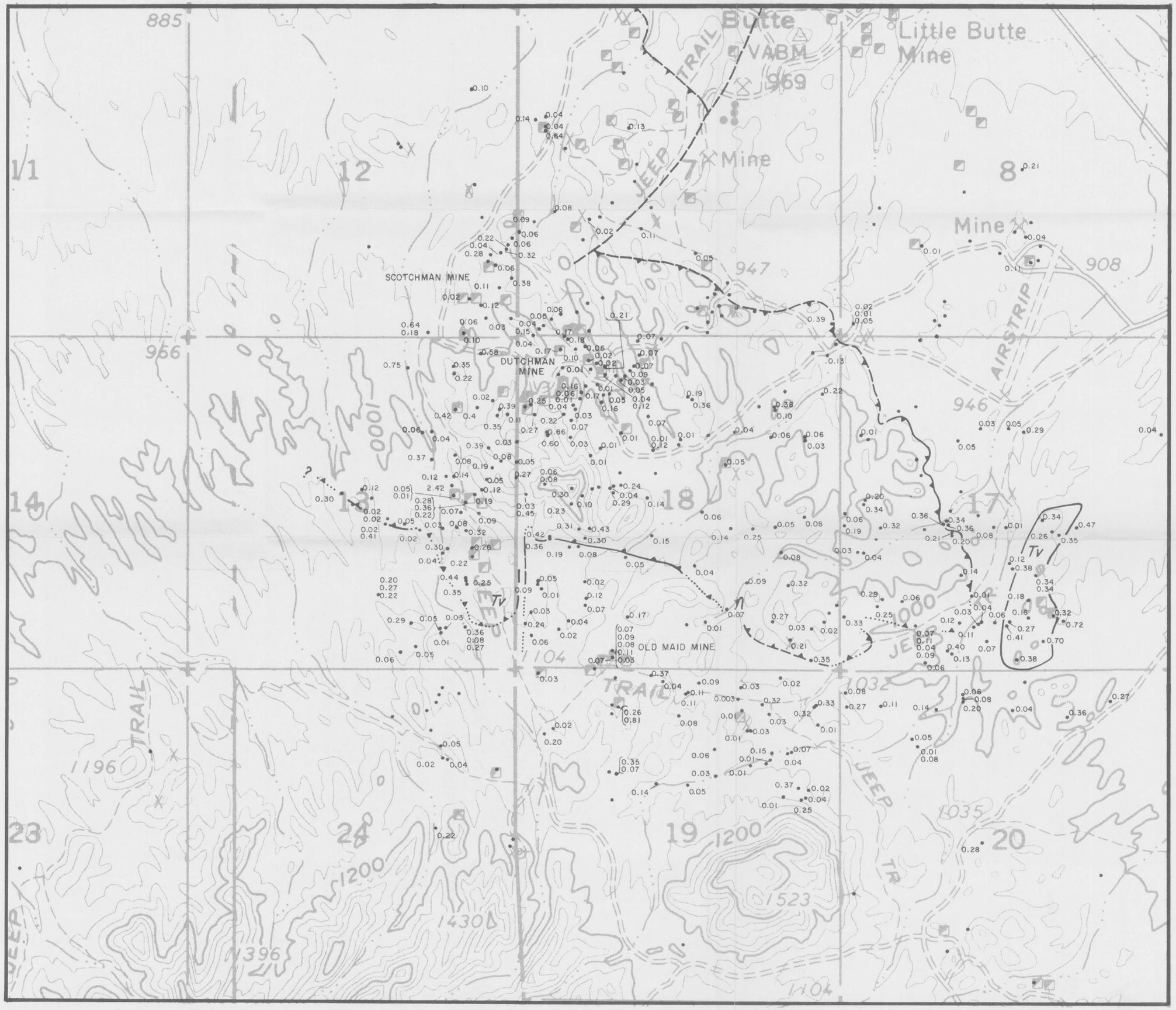
LA PAZ COUNTY, ARIZONA

1000' 0 1000'
Scale in Feet

PREPARED FOR: PACIFIC COAST MINES, INC.	CORN & AHERN CONSULTING GEOLOGISTS TUCSON, ARIZONA
PREPARED BY: CORN & AHERN	
DATE: APRIL 1984	PLATE 7

R. 18 W. R. 17 W.

T. 7 N.



0.27 PERCENT ACID SOLUBLE BARIUM

GENERALIZED OUTLINE OF THE DUTCHMAN PLATE, BOUNDED BY THE DUTCHMAN LOW-ANGLE FAULT

(Tv) AREA OF ANOMALOUS ACID SOLUBLE BARIUM SHOWING HOST LITHOLOGY

ACID SOLUBLE BARIUM
BOUSE AREA
PLOMOSA MINING DISTRICT

LA PAZ COUNTY, ARIZONA

1000' 0 1000'
Scale in Feet

PREPARED FOR: PACIFIC COAST MINES, INC.	CORN & AHERN CONSULTING GEOLOGISTS TUCSON, ARIZONA
PREPARED BY: CORN & AHERN	
DATE: APRIL 1984	PLATE 6

R. 18 W. R. 17 W.

T. 7 N.

Little Butte Mine

Butte VABM 969

TRAIL

JEEP TR

Mine

SCOTCHMAN MINE

DUTCHMAN MINE

OLD MAID MINE

AIRSTRIP

Tar

885 966 947 908 946 1000 1032 1035 1104 1196 1200 1430 1396 1523

1 12 7 8 13 18 17 14 23 24 19 20

20 — PPM ARSENIC, only values > 10 ppm shown

GENERALIZED OUTLINE OF THE DUTCHMAN PLATE, BOUNDED BY THE DUTCHMAN LOW-ANGLE FAULT

Tar — APPROXIMATE AREA OF Tar LITHOLOGIC UNIT WITH ANOMALOUS ARSENIC VALUES

ARSENIC GEOCHEMICAL MAP
BOUSE AREA
PLOMOSA MINING DISTRICT
LA PAZ COUNTY, ARIZONA

1000' 0 1000'
Scale in Feet

PREPARED FOR: PACIFIC COAST MINES, INC.	CORN & AHERN CONSULTING GEOLOGISTS TUCSON, ARIZONA
PREPARED BY: CORN & AHERN	
DATE: APRIL 1984	PLATE 5

R. 18 W. R. 17 W.

T. 7 N.

Butte
Little Butte Mine
VABM 969
JEEP TRAIL
Mine
8 .21 (BX)
Mine
947
908
AIRSTRIP
946
SCOTCHMAN MINE
Tv
DUTCHMAN MINE
Tgbr
1000
966
885
1196
1200
1430
1396
1523
1035
1104
1032
OLD MAID MINE
JEEP TRAIL
1000 TR
1200
1200
TRAIL
JEEP TR
1 2 13 14 18 17 24 19 20 23

22.05 —— PPM GOLD, > (<.02) ppm
8.0 —— PPM SILVER, > 5.0 ppm

GENERALIZED OUTLINE OF THE DUTCHMAN PLATE, BOUNDED BY THE DUTCHMAN LOW-ANGLE FAULT

(Tv) AREA OF >.20 PPM GOLD SHOWING HOST LITHOLOGY

(V) ISOLATED SAMPLE WITH >.20 PPM GOLD SHOWING TYPE OF OCCURRENCE:
V = quartz vein
F = fault, shear or fracture zone
BX = breccia or micro veinlets

GOLD and SILVER GEOCHEMICAL MAP BOUSE AREA PLOMOSA MINING DISTRICT

LA PAZ COUNTY, ARIZONA

1000' 0 1000'
Scale in Feet

PREPARED FOR: PACIFIC COAST MINES, INC.	CORN & AHERN CONSULTING GEOLOGISTS TUCSON, ARIZONA
PREPARED BY: CORN & AHERN	
DATE: APRIL 1984	PLATE 4

R.18 W. R.17 W.

T. 7 N.

SCOTCHMAN MINE

DUTCHMAN MINE

OLD MAID MINE

Little Butte Mine

Mine

VABM 969

SAMPLE NUMBER
ROCK CHIP
SAMPLE LOCATION 2457

GENERALIZED OUTLINE OF THE DUTCHMAN PLATE, BOUNDED BY THE DUTCHMAN LOW-ANGLE FAULT

SAMPLE LOCATION MAP
BOUSE AREA
PLOMOSA MINING DISTRICT

LA PAZ COUNTY, ARIZONA

1000' 0 1000'
Scale in Feet

PREPARED FOR: PACIFIC COAST MINES, INC.	CORN & AHERN CONSULTING GEOLOGISTS TUCSON, ARIZONA
PREPARED BY: CORN & AHERN	
DATE: APRIL 1984	PLATE 3

R. 18 W.

T. 7 N.

66	65	64	63	62	61	60	59	58	57	56	55	54	53	
51	49	47	45	43	41	39	37	35	33	31	29	27	25	
52	50	48	46	44	42	40	38	36	34	32	30	28	26	167
23	21	19	17	15	13	11	9	7	5	3	1			
24	22	20	18	16	14	12	10	8	6	4	2			
76	75	74	73	72	71	70	69	68					135	136
101	99	97	95	93	91	89	87	85	83	81	79	77	103	104
102	100	98	96	94	92	90	88	86	84	82	80	78		

PCMI

12

13

67

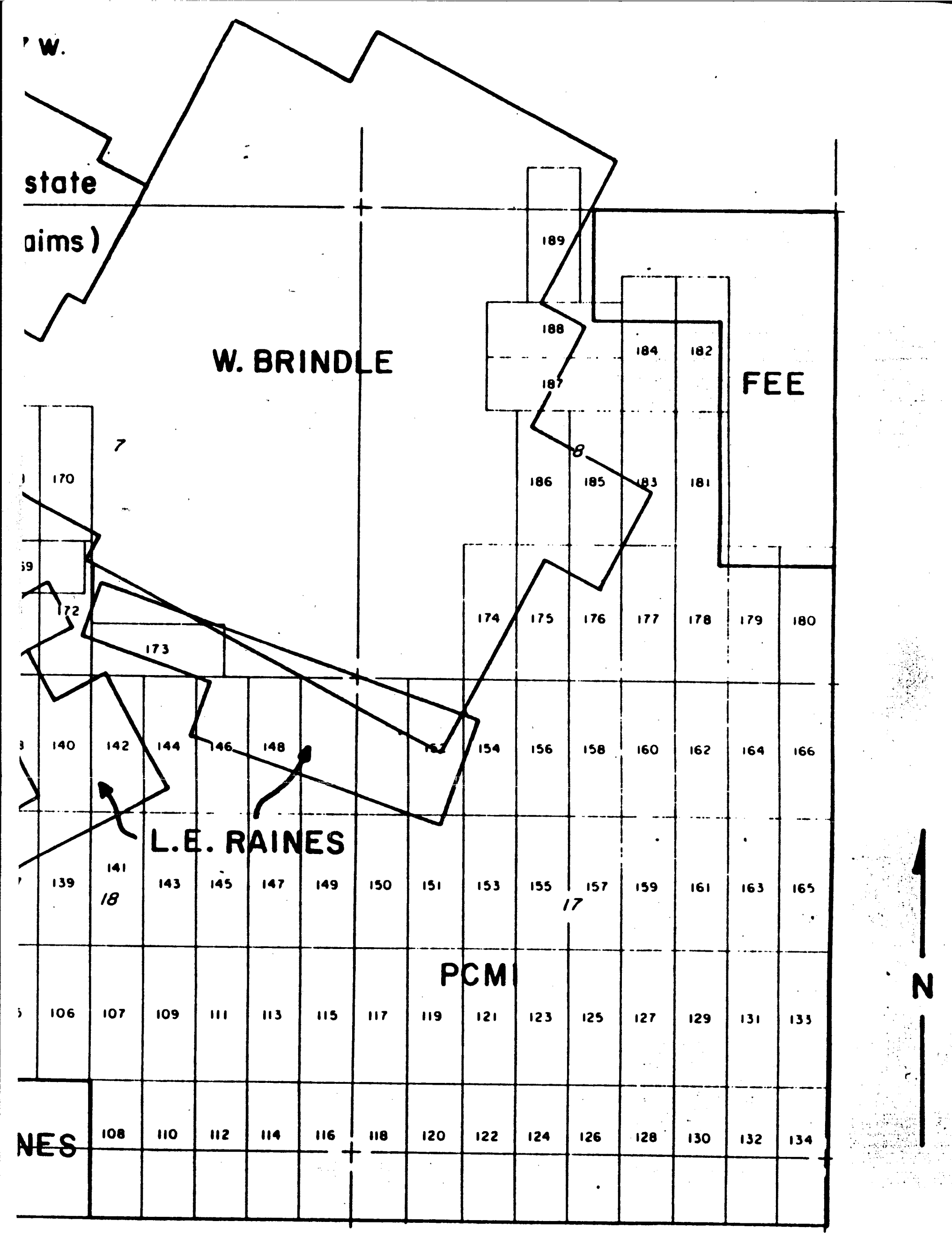
190

191

STOUT
(Paten

S. SMITH
(Patente
Clain

L.E.R



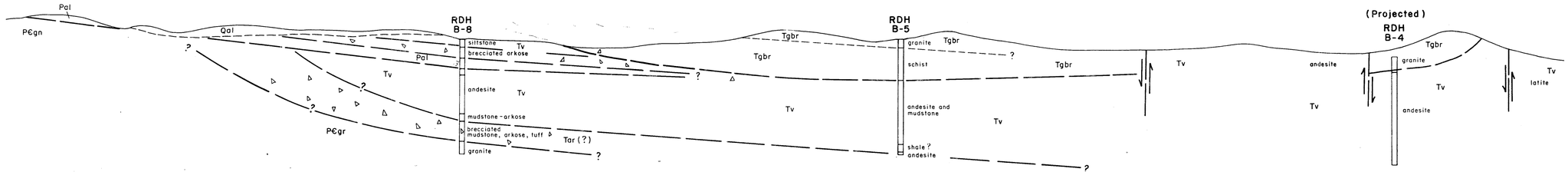
LAND MAP OF THE BOUSE AREA

Wash
Tenmile Well
Well
Gravel Pit
Sixmile Well
AND SANTA FE
CACTUS PLAIN
Bouse
Little Butte
VABM 969
Little Butte Mine
Mine
BM 872
BM 923
BM 1055
BM 1105
BM 1128
VABM Lamosa 1904
Four Peaks
Ore Mill
Well
Cem.
BM 942
Airstrip
Bouse
TRAIL
JEEP TR
JEEP
AIRSTRIP
OLD RAILROAD GRADE
SWANSEA RD
RANEGRAS ROAD
QUARTZSITE
Wash
PLOMOSA PLAIN
Merriweather block
Reese block
VICKSBURG 20 MI.
HOPE (JUNC. U.S. 60 & 70) 23 MI.
(UTTING) 3251 IV
T. 8 N.
T. 7 N.
T. 7 N.
T. 6 N.
3765
3764
3763
3762
3761
55'
3756
3754
3753
3751
3750
3749
3748

D

Looking Northwest

D'



PREPARED FOR: PACIFIC COAST MINES, INC.	*CORN & AHERN CONSULTING GEOLOGISTS TUCSON, ARIZONA*
PREPARED BY: CORN & AHERN	To accompany June 1985 report Drilling Results and Recommendations, Bouse Prospect
DATE: JUNE 1985	PLATE 3

CROSS SECTION THROUGH RDHs B-8 AND B-5
BOUSE PROSPECT
LA PAZ COUNTY, ARIZONA
1" = 200', H=V

HOLE NO. B-1 PROSPECT Bouse COUNTY La Paz STATE Arizona

CLAIM Pat claim S. Smith SECTION SE/NW/NW 18 T. 7N R. 17W COLLAR COORDS.

ELEVATION 995' HOLE SIZE 5 3/8 in. CORE SIZE Air-Hammer HOLE ANGLE Vertical

SPUDDED 11-26-84 COMPLETED 11-27-84 DRILLER B. Talbot LOGGED BY R.M. Corn

TOTAL DEPTH 640'

DRILL HOLE DESCRIPTIVE LOG

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
0-50	50	GOOD	B1 0-5	0.14			Tv 0-50 volcanic breccia	Dark red, med to fgr. volcanic breccia? with	Argillic-hematitic - some silicification suggested but	MnOx & specularite noted as well as earthy hematite.
			B1 5-10	0.03						
		RECOV	B1 10-15	0.50			Mudstone cement	chips of latite in a hematitic	may be primary-oxidized hematitic chlorite?	10-20 Vuggy & druzy qtz vlts. are indicated by chips.
			B1 15-20	< 0.02				mudstone matrix. Most of material is sandsize chips	Vuggy qtz veinlets Former chlorite is pervasively	20-30 Druzy vlts with qtz, barite, specularite & earthy hematite after
			B1 20-25	< 0.02				of mudstone, often show slip surfaces and slicken sides.	stained and/or replaced by hematite. Some remnant	previous sulfides.
			B1 25-30	< 0.02				Some chips of andesite and basalt noted.	magnetite indicated.	30-50 Chips indicate that qtz-barite hematite vlts are numerous
			B1 30-35	0.23					Hematitic-argillic-	Some small mudst frags cemented by vuggy quartz.
			B1 35-40	0.21					chloritic alteration	
			B1 40-45	< 0.02						
			B1 45-50	0.05						
50-100	50	"	B1 50-55	0.27			50-125 Conglomerate arkose and volcanic breccia?	Mottled red-brown & white mixed chips of mudstone	Granite & arkose chips are bleached with less intense	50- Less vuggy qtz vlts but orange-red limonite after pyrite & chalcopyrite noted
			B1 55-60	0.36				granite, latite and arkose.	hematite & chlorite. Chlorite	on fracture surfaces. Little or no
			B1 60-65	0.21				Some chips are of porphyritic rocks, latite & qtz.	& hematite commonly coat. all fracture surfaces.	specularite noted.
			B1 65-70	0.16				latite porphyry.		
			B1 70-75	< 0.02						
			B1 75-80	< 0.02						
			B1 80-85	< 0.02					Magnetite grains in rock	Minor MnOx on fractures.
			B1 85-90	< 0.02				Proportion of chips from volcanic and subvolcanic	have been altered to hematite or martite and are non-	Red-orange limonite after sulfides occurs on fracture surfaces and as thin clay-rich
			B1 90-95	< 0.02				rocks and granite increases with depth.	magnetic.	seams. Generally closely associated with chlorite-rich selvages.
			B1 95-100	< 0.02						
										Complete oxidation
100-125	25	"	B1 100-105	< 0.02			Conglomerate or	Coarse chips are entirely qtz latite? por & granite w/	Hematitic-argillic chloritic alteration.	Some chips of altered qtz latite? porphyry exhibit hematitic limonite after very fine-gr
			B1 105-110	< 0.02			volcanic breccia	red-brown surface stain. finer-grained material is	Hematite & chlorite are localized in fine-grained	disseminated sulfides.
			B1 110-115	0.05				dark red-brown sandsize breccia or conglom. matrix.	matrix material. Qtz & feldsp commonly are shattered & cut	Voids lined with druzy qtz crystals noted.
			B1 115-120	< 0.02					by chlorite-hematite seams.	
			B1 120-125	< 0.02						

(1) ASSAYS by U.S. BORAX RESEARCH CORPORATION, ANAHEIM, CA.

CORN & AHERN

HOLE NO. B-1 PROSPECT Bouse COUNTY La Paz STATE Arizona

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
125-150	25	GOOD	B1 125-130	< 0.02			Conglomerate	Mixed chips of fgr. dk red brown matrix and med.	Hematitic-argillic-chloritic alteration.	Minor specularite noted in thin seams & sparse vuggy qtz veinlets.
		RECOV	B1 130-135	0.11				grained pink gray bleached granite & quartz latite	Some porphyry chips exhibit voids where feldspar phenos	Red-orange hematic limonite after vfg dissem sulfides noted. Most
			B1 135-140	< 0.02				porphyry.	were converted to clay and leached out. Chips are cut	is closely associated with hematized chlorite in chips of fgr. matrix.
			B1 140-145	0.11				Fine-grained matrix exhibits abdt: chlorite & hematite.	by numerous thin seams of chlorite-hematite.	Complete oxidation.
			B1 145-150	< 0.02						
150-200	50	"	B1 150-155	< 0.02			Conglomerate			150 Increase in druzy qtz veinlets. Some cse calcite noted.
			B1 155-160	< 0.02						
			B1 160-165	< 0.02					160 Dark brown siderite & quartz in fine-grained	160 Thin druzy qtz-barite vlts noted.
			B1 165-170	0.03					matrix. Chlorite is not thoroughly	Scattered MnOx on seams and fractures.
			B1 170-175	0.05					oxidized and part remains grayish-green in color.	
			B1 175-185	0.08				180 - Coarse chips are dominantly volcanic		
			B1 180-185	< 0.02				material. Tuff, latite and latite porphyry & arkose.	180 Textures suggest shearing with streaks of chlorite	
			B1 185-190	< 0.02					and hematitic limonite.	Crystalline specularite noted in thin, open veinlets.
			B1 190-195	< 0.02						
			B1 195-200	< 0.02						
200-240	40	"	B1 200-205	< 0.02			Conglomerate	Fragments of schist or schistose sheared volcanics	Hematitic-argillic alteration.	Specularite noted in clots and grains in
			B1 205-210	< 0.02					Femags completely altered	arkosic material, but qtz-specularite-
			B1 210-215	< 0.02			and arkose	are abundant. Volcanics are	to chlorite.	barite veinlets are not present.
			B1 215-220	< 0.02				probably andesite-latite tuff		
			B1 220-225	< 0.02						
			B1 225-230	< 0.02						
			B1 230-235	< 0.02						
			B1 235-240	< 0.02			Phyllite	Dark gray, dense phyllite(?) consisting of vfg sericite		Complete oxidation.
240-320	80	"	B1 240-245	< 0.02			240-320 Tuffaceous sandstone and	Red to reddish brown brecciated sandstone &	Abundant pervasive earthy hematite disseminated	Scattered thin quartz-limonite-hematite veinlets. Cubic "boxes" in limonite
			B1 245-250	< 0.02			mudstone	mudstone w/some bleached sericitized tuff	through rock. Streak is bright orange-red indicating	indicate former pyrite.
			B1 250-255	< 0.02					some previous sulfides.	Vugs lined with qtz crystals and clay halos noted.
			B1 255-260	< 0.02						Quartz-crystalline specularite veinlets noted.

(1) ASSAYS by U.S. BORAX RESEARCH CORPORATION, ANAHEIM, CA.

CA CORN & AHERN

HOLE NO. B-1 PROSPECT Bouse COUNTY La Paz STATE Arizona

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (I) Au	PPM (I) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
		GOOD	B1 260-265	< 0.02			Tuffaceous sandstone & mudstone	Red to reddish brown brecciated sandstone and mudstone	Hematitic-argillic alteration. Pervasive earthy hematite throughout rock. Orange-red streak suggests former presence of some vfg sulfides.	Rock exhibits nodules and grains of specularite. Vugs lined with qtz crystals. Hematitic limonite after pyrite & chalcopyrite is associated with MnOx and specularite in veinlets and seams.
		RECOV	B1 265-270	< 0.02						
			B1 270-275	< 0.02						
			B1 275-280	< 0.02						
			B1 280-285	0.03						
			B1 285-290	< 0.02						
			B1 290-295	< 0.02						
			B1 295-300	< 0.02						
			B1 300-305	< 0.02			"			
			B1 305-310	< 0.02						
			B1 310-315	< 0.02						
			B1 315-320	< 0.02						
320-350	30	"	B1 320-325	0.08			320-330 Breccia?	Mixed chips of schist & basalt or lamprophyre and limestone?	Clay - chlorite and abundant calcite	Calcite and siderite occur as veinlets & replacing former plag(?) in basalt.
			B1 325-330	< 0.02					Variable hematitic staining.	
			B1 330-335	< 0.02			330-340 Limestone & calcareous arkose	Dark reddish gray limestone and calcite cemented arkose		
			B1 335-340	< 0.02						MnOx and specularite are disseminated in coarse arkose.
			B1 340-345	< 0.02			340-350 Arkose & sandstone	Cse-gr arkose and fine-gr sandstone	Calcite cement	Limited hematite but MnOx is fairly abundant.
			B1 345-350	< 0.02						
350-390	40	"	B1 350-355	< 0.02			350-380 Arkose & conglomerate	Cse gr. calcareous arkose & cngl.-gray and grayish red in color.	Clay-calcite-siderite & chlorite	MnOx common as thin seams & veinlets. White quartz pebbles noted. Chips of
			B1 355-360	< 0.02					Silicification - Opal cement noted in some frags.	black quartz are numerous but derivation can't be defined. Black quartz also
			B1 360-365	< 0.02				360- Conglomerate chips of schist, granite & volcanics, qtzite and red-gray schist.	Siderite occurs as dissem grains in arkose and in	occurs as coarse grains in matrix of clay altered red feldspars. Siderite & MnOx
			B1 365-370	< 0.02					silicified zones that contain MnOx.	occur in chalcedonic qtz vlts replacing arkosic matrix of cngl.
			B1 370-375	< 0.02					Chips of granite cut by thin qtz-carbonate-chlorite veinlets.	Black qtz & siderite noted replacing fgr reddened sandstone.
			B1 375-380	< 0.02						

(I) ASSAYS by U.S. BORAX RESEARCH CORPORATION, ANAHEIM, CA.

CA CORN & AHERN

HOLE NO. B-1 PROSPECT Bouse COUNTY La Paz STATE Arizona

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
		FAIR	B1 380-385	< 0.02			380-390 Conglomerate or breccia	Mixed chips of arkose, schist, granite. 25% of chips are altered tuff or porphyry	Clay-calcite-siderite and chlorite	Chips of qtz-vlts or pebbles commonly are broken & veined by later qtz-siderite and calcite
		RECOV.	B1 385-390	< 0.02						Black calcite noted. Thin qtz & siderite vlts cut chips of granite & porphyry.
390-400	10	"	B1 390-395	< 0.02			390-400 Quartz latite porphyry	Gray, medium-gr. porphyry with scattered rounded qtz phenocrysts in a variable aphanitic to fgr. matrix. Feldspar phenos-variable in size are 40-60% of rock. 5-15% former Femags. Quartz phenos both rounded & rectangular.	Clay-calcite-chlorite	Porphyry is cut by thin qtz and siderite vlts.
			B1 395-400	< 0.02					Magnetite grains are altered to martite or hematite.	Some hematite or limonite after sulfides associated with quartz vlts.
										Complete oxidation.
400-450	50	POOR	B1 400-410	< 0.02			400-410 Conglomerate or breccia	Mixed chips of porphyry & cse arkose with small pebbles Medium gray in color.	Calcite cement in arkose & congl.	No specularite or earthy hematite.
		RECOV.								
			B1 410-420	< 0.02			410- Breccia? Qtz latite porphyry	Most of chips are porphyry & related volcanic rocks.	Clay-calcite-chlorite some silicification and leaching of former feldspars	Chips indicate a few thin quartz veinlets
			B1 420-430	< 0.02			Qtz latite porphyry	All chips are porphyry most w/prominent rectangular phenocrysts. 10-15% former biotite phenocrysts.	Small clots of chlorite common with clay altd former feldspars. Biotite phenos are converted to chlorite. Reddish stain or discoloration of matrix but little or no hematite.	
			B1 430-440	< 0.02						Scattered seams & veinlets of siderite & MnOx
			B1 440-450	< 0.02						Chips suggest some thin qtz vlts. Voids with hematitic limonite suggest some former vfg sulfides.
450-500		POOR	B1 450-460	< 0.02			"	Medium pinkish gray porphyry w/ 40-60% phenocrysts in an aphanitic & often silicified groundmass.	Substantial silicification of matrix. Feldspar phenos converted to white clay and commonly leached out leaving voids.	
		RECOV.	B1 460-470	< 0.02						MnOx associated with silicified groundmass.
			B1 470-480	< 0.02						Disseminated yellow siderite replaces former feldspar phenos.
			B1 480-490	< 0.02						
			B1 490-500	< 0.02						

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CA CORN & AHERN

HOLE NO. B-1 PROSPECT Bouse COUNTY La Paz STATE Arizona

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
500-550	50	POOR	B1 500-510	< 0.02			Qtz latite porphyry	Mottled dark gray & white medium-gr porphyry with	Argillic-chloritic with variable silicification.	Chips indicate a few hairline druzy qtz veinlets.
		RECOV.	B1 510-520	< 0.02				40-60% phenocrysts in aphanitic matrix.	Feldspar phenocrysts commonly replaced by clay,	
			B1 520-530	< 0.02					calcite and honey yellow siderite.	
			B1 530-540	< 0.02				Matrix becomes darker with increasing depth.	Former biotite altered to chlorite.	Complete oxidation.
			B1 540-550	< 0.02						
550-600	50	POOR	B1 550-560	< 0.02			"	Similar but many chips show rounded grains & feldspar	Abundant fgr calcite silicification.	Irregular silicification of aphanitic matrix.
		RECOV.	B1 560-570	< 0.02				outlines suggestive of volcanic rather than intrusive.	Phenocrysts converted to clay.	Thin MnOx vlts noted.
			B1 570-580	< 0.02						
			B1 580-590	< 0.02				Intrusive or volcanic breccia ? - Numerous small lithic	Rock appears less altered with incr. depth.	Some vfg sulfides indicated by hematitic limonite
			B1 590-600	0.05				frags. matrix varies - granular to aphanitic.	Fresh feldspar phenocrysts noted.	Some hairline druzy qtz vlts and seams noted
600-640	40	POOR	B1 600-610	0.03			Quartz-monzonite	Mottled gray-pink porphyry as above.		
		RECOV.	B1 610-620	< 0.02			porphyry	50% of chips are nolo-crystalline with fine-gr.	610- Increased argillic alteration	Hematitic limonite after vfg dissem. sulfides
			B1 620-630	< 0.02				granular groundmass. Suggests gradation to or	variable silicification of groundmass.	Some MnOx.
			B1 630-640	< 0.02				fragments of quartz monz porphyry.	All mica converted to sericite or chlorite.	Cuttings suggest increased hematite stain & specularite veinlets.
										Most could be exotics from brecciated zone above.
640 is T.D.										

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CORN & AHERN

HOLE NO. B-2 PROSPECT Bouse COUNTY La Paz STATE Arizona

S. Smith NE/NW/NW

CLAIM Pat.Claim SECTION 18 T. 7N R. 17W COLLAR COORDS. _____

ELEVATION 990' HOLE SIZE 5 3/8 CORE SIZE Air-Hammer HOLE ANGLE Vertical

SPUDDED 11-27-84 COMPLETED 11-28-84 DRILLER B. Talbot LOGGED BY R.M. Corn

Stevens & Harris

TOTAL DEPTH 500'

DRILL HOLE DESCRIPTIVE LOG

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
0-10	10	GOOD	B-2 0-10	< 0.02			Alluvium	Hematite stained mixed rock fragments		
		RECOV.								
10-50	40		B2 10-20	< 0.02			Mudstone & arkose	Dark red-brown hematite-stained mudstone, fgr sandstone and arkose	Hematitic-argillic alteration	Minor hematitic limonite after former vgf sulfides.
										Chips indicate thin vuggy quartz veinlets. and thin quartz-specularite veinlets.
			B2 20-30	< 0.02			" "		Hematite stained chlorite or sericite is prominent.	
			B2 30-40	< 0.02			30-40 Mudstone arkose & conglomerate	Mixed rock types with chips of granite & quartz latite porphyry	Thin druzy and vuggy quartz veinlets.	
										Complete oxidation.
			B2 40-50	< 0.02			40-120 Brecciated arkose & conglomerate	Angular fragments & pebbles in mudstone or rock flour matrix		
										Little or no quartz veinlets or limonite after sulfides
50-120	70	"	B2 50-60	< 0.02				Chips suggest shattered & pulverized granite with qtz frags in sheared or pulverized matrix	Most feldspars are bleached and converted to clays.	Scattered specularite veinlets
			B2 60-70	< 0.02						
			B2 70-80	< 0.02						Minor red-orange limonite after vfg sulfides.
			B2 80-90	< 0.02						Minor disseminated specularite.
			B2 90-100	< 0.02					Fine-grained chlorite has been stained by earthy hematite.	
			B2 100-110	< 0.02			Brecciated Conglomerate and arkose	Chips of granitic material are dominant.	Chlorite is prominent and varies from vfg to med. gr. crystals.	Crystalline specularite noted both in vuggy vlts and thin seams
			B2 110-120	< 0.02						Limonite after vfg sulfides occurs in chips with abdt. chlorite.
									chlorite is abdt in matrix of cngl. and in shattered zones.	
120-150	30	"	B2 120-130	< 0.02			Brecciated mudstone and arkose	Deep-red intensely hematized and chloritized fine-gr mudstone and arkose	Pervasive hematite-argillic-chlorite type alteration	120-140 Numerous thin vuggy qtz and vuggy specularite chlorite veinlets are indicated by chips. Hematitic limonite after vfg sulfides is common. Maghemite-magnetic specularite noted in chip of vuggy quartz veinlet.
			B2 130-140	< 0.02						

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CORN & AHERN

HOLE NO. B-2 PROSPECT Bouse COUNTY La Paz STATE Arizona

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
		GOOD	B2 140-150	< 0.02			Brecciated arkose and mudstone	Dark red, med to cse grained intensely altered arkose and mudstone cut by numerous thin vuggy quartz and quartz-specularite vlts.	Hematitic-argillic chloritic alteration	Numerous chips from vuggy quartz-specularite-clay veinlets and abundant
		RECOV.							Chlorite is relatively coarse and is hematite stained.	cse chlorite and specularite veinlets Red-orange limonite after chpy commin
									Mudstone and arkose matrix completely altered to chlorite.	in chloritic veinlets.
150-200			B2 150-160	< 0.02						150-160 Less intense veining
			B2 160-170	< 0.02			" "			Abundant dissem earthy hematite
			B2 170-180	< 0.02						180 Chips from barite-specularite vlts noted
			B2 180-190	< 0.02						Vuggy qtz-specularite and barite occur both in veinlets and as irregular
			B2 190-200	< 0.02						replacements.
									Reddish hematitic-limonite may be derived	Variable disseminated red-orange limonite after chalcopyrite
200-250	50	"	B2 200-210	< 0.02			" "	" "	from siderite	Banded chalcedonic qtz noted coating specularite veinlets.
			B2 210-220	< 0.02						
			B2 220-230	< 0.02						Dissem specularite & barite are common. Minor magnetite noted.
			B2 230-240	< 0.02					230 Light tan carbonate? slight effervescence after	
			B2 240-250	< 0.02					powder - siderite or Fe dolomite replaces matrix	Complete oxidation
									of arkose.	
250-300	50	"	B2 250-260	< 0.02			" "	" "		MnOx noted in chalcedonic quartz veinlet
			B2 260-270	< 0.02						
			B2 270-280	0.25						Scattered vuggy quartz veinlets
										Hematitic limonite after chpy
			B2 280-290	< 0.02					Abundant siderite indicated	noted in barite-specularite veinlets. Chips of black quartz noted.
										Quartz-clay barite veinlets are abundant.
			B2 290-300	< 0.02						Hematitic limonite after chpy.
									Med. to cse chlorite in	Numerous vuggy qtz veinlets and indicated specularite veinlets.
300-340	40	"	B2 300-310	< 0.02			" "	" "	matrix of brecciated arkose and mudstone	
			B2 310-320	< 0.02					Some chips of white bleached clay-qtz.	
			B2 320-330	0.28					Qtz pebbles & grains have been shattered & recrystal-	20-30% of chips are quartz-specularite veinlets.
			B2 330-340	< 0.02					lized.	

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HOLE NO. B-2 PROSPECT Bouse COUNTY La Paz STATE Arizona

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
340-390	50'	GOOD	B2 340-350	< 0.02			Conglomerate	Mottled white, red & dark gray chips of varied rock types. Chips include quartz-ls, granite & schist arkose and mudstone	Arkose and mudstone exhibit clay and chlorite alteration.	Some vuggy quartz MnOx seams noted
		RECOV								
		350-on	B2 350-360	< 0.02						350 Numerous chips of vuggy qtz-specularite veinlets
		injecting water &							Intense hematite-chlorite-	chips of banded botryoidal chalcedonic quarts
		some foam	B2 360-370	0.11					clay alteration	Prominent quartz-barite-specularite veinlets indicated
			B2 370-380	0.05			370-380 Arkose	Chips are dominantly dark red gray med. to cse-grained arkose.		Some maghemite noted - cse crystalline-hematite
			B2 380-390	0.03			380-390 Conglomerate	Variable rock types	Chips of tuff? or porphyry exhibit intense white clay alteration	Increased MnOx and recrystallized quartz
390-450	60	FAIR	B2 390-400	< 0.02			390 Latite and qtz latite	Latite-qtz latite porphyry speckled reddish gray	Hematitic-argillic-chloritic alteration	Very few qtz-specularite veinlets indicated
		RECOV.						med. grained porphyritic rock with 5 to 15% qtz	Former ferromags completely altered to hematite stained	Fine grains of disseminated specularite
			B2 400-410	< 0.02				phenocrysts and 25-30% each former feldspar &	chlorite. Former feldspars are altered to clays and	Crystal faces suggest some fine-grained disseminated barite or
								ferro-mag phenocrysts chloritic altered Femags	matrix to clay and/or chalcedonic silica	other sulfate.
			B2 410-420	< 0.02				are leached & voids lined by chlorite are common	Blue-green celadonite?	Chips indicate scattered coarse glossy quartz veinlets.
			B2 420-430	< 0.02					noted	
			B2 430-440	< 0.02						Complete oxidation
			B2 440-450	< 0.02						
450-500	50	POOR	B2 450-460	< 0.02			" "	Mixed gray and red-brown stained chips similar to above		Thin hairline qtz veinlets noted seams of chlorite and former
		RECOV.	B2 460-470	< 0.02						siderite? noted
			B2 470-480	< 0.02						
			B2 480-490	< 0.02						Chips indicate rock is cut by scattered thin seams of finely
			B2 490-500	< 0.02						brecciated quartz and chlorite.
500 is end of hole.										

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CORN & AHERN

HOLE NO. B-3 PROSPECT Bouse COUNTY La Paz STATE Arizona

S. Smith SW/SW/SW

CLAIM Pat.Claim SECTION 7 T. 7N R. 17W COLLAR COORDS.

ELEVATION 970' HOLE SIZE 5 3/8 CORE SIZE Air-Hammer HOLE ANGLE Vertical

SPUDDED 11-28-84 COMPLETED 11-29-84 DRILLER B. Talbot LOGGED BY R.M. Corn

Stevens & Harris

TOTAL DEPTH 420'

DRILL HOLE DESCRIPTIVE LOG

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
0-10	10	GOOD	B3 0-10	< 0.02			Alluvium	Mixed chips of quartz & silicified rock units		
		RECOV.								
10-50	40		B3 10-20	< 0.02			Brecciated granite (?) or quartz latite	Pink-gray med-grained granitic rock with micro-brecciated texture	Hematitic-argillic chloritic alteration	Rock is cut by scattered seams of hematite-siderite? and chlorite
			B3 20-30	< 0.02						
			B3 30-40	< 0.02						There are no qtz or qtz barite-
			B3 40-50	< 0.02					Chlorite occurs as scattered thin seams and in seams of microbrecciated material.	specularite veinlets.
50-100	50	"	B3 50-60	< 0.02				Increased micro-brecciation and hematite-chlorite seams below 50 feet.		Complete oxidation
			B3 60-70	< 0.02						
			B3 70-80	< 0.02						
			B3 80-90	< 0.02						
			B3 90-100	< 0.02						
100-160	60	"	B3 100-110	< 0.02						
			B3 110-120	< 0.02						Minor hematitic limonite after fgr chpy noted in seams of chlorite and chloritic breccia.
			B3 120-130	< 0.02						
			B3 130-140	< 0.02			Brecciated arkose & conglomerate	Chips are dominantly granite & fine-med grained arkosic sand		Druzy qtz crystals noted with chlorite in seams and veinlets.
			B3 140-150	< 0.02						
			B3 150-160	< 0.02						150-160 Scattered qtz-chlorite specularite veinlets
160-200	40	"	B3 160-170	< 0.02			160-290 ~~Arkose~~ ?	Dark red intensely altered arkose and mudstone	Intense hematite-chlorite-siderite alteration.	160 Numerous thin vuggy quartz-chlorite and specularite veinlets.
			B3 170-180	< 0.02				Chips are coated and stained by hematite.		Abundant siderite. Some vfg limonite after former chalcopyrite is indicated.
			B3 180-190	< 0.02						
			B3 190-200	< 0.02						

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CORN & AHERN

HOLE NO. B-3 PROSPECT Bouse COUNTY: La Paz STATE Arizona

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
200-250	50	GOOD	B3 200-210	< 0.02			Brecciated arkose	Dark brownish red intensely altered arkose and mudstone(?)	Intense chlorite, hematite and siderite alteration	Scattered thin druzy and vuggy qtz - specularite veinlets.
		RECOV.	B3 210-220	< 0.02					Fgr matrix of arkose	Chips indicate some veinlets of specularite, druzy quartz and MnOx.
			B3 220-230	0.03					is completely converted to	Vfg hematitic limonite after sulfides disseminated in arkose
			B3 230-240	0.17					chlorite.	
			B3 240-250	0.09						
250-290	40	"	B3 250-260	0.06						
			B3 260-270	0.12			Arkose and mudstone			
			B3 270-280	0.05			270 Brecciated mudstone & cngl.			270 Numerous chips of quartz and qtz specularite
			B3 280-290	< 0.02						qtz is from recrystallized qtz pebbles and from vuggy and druzy veinlets
							290-300 Mixed arkose and			280 Numerous chips of cse xilline, specularite. Druzy amethystine qtz
290-350	60	"	B3 290-300	< 0.02			latite breccia	Grey and reddish chips of shattered arkose and latite - latite por	Hematitic-argillic chloritic alteration.	noted. Some MnOx in qtz veinlets.
			B3 300-310	< 0.02			300-310 Latite quartz latite	Gray-red speckled	Feldspar phenos are altered to white clay, former ferro-	In porphyry there are no qtz veinlets but groundmass exhibits variable
							porphyry	porphyritic rock	mags to chlorite and ground- mass exhibits variable	silicificaton.
			B3 310-320	< 0.02			310-360 Mixed granite & porphyry		silicification.	
			B3 320-330	< 0.02						
			B3 330-340	< 0.02						330-340 Scattered quartz and quartz-specularite veinlets.
			B3 340-350	< 0.02						
350-420	70	"	B3 350-360	< 0.02					Siderite noted replacing feldspar phenocrysts	
			B3 360-370	< 0.02			360 Latite porphyry		Generally phenos are altered to clay or	
		FAIR	B3 370-380	< 0.02			370 Fault		leached away	370 Specularite veinlets noted
		RECOV.	B3 380-390	< 0.02						Groundmass of porphyry is silicified with a few hairline quartz seams
			B3 390-400	< 0.02			Latite porphyry			Disseminated specularite.
			B3 400-410	< 0.02						
			B3 410-420	< 0.02						
420 is end of hole.										

(1) ASSAYS by U.S. BORAX RESEARCH CORPORATION, ANAHEIM, CA.

CORN & AHERN

HOLE NO. B-4 PROSPECT Bouse COUNTY La Paz STATE Arizona

CLAIM LAP 190 SECTION SE12. T. 7N R. 17W COLLAR COORDS. SE/SE

ELEVATION 970 HOLE SIZE 5 3/8 CORE SIZE Air Hammer HOLE ANGLE Vertical

SPUDDED 11-29-84 COMPLETED 11-29-84 DRILLER B. Talbot, Stevens & Harris LOGGED BY Russell M. Corn

TOTAL DEPTH 400'

DRILL HOLE DESCRIPTIVE LOG

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
0-10	10	GOOD	B44 0-10	< 0.02			Alluvium	Caliche cemented. Alluvium; mixed frags. of granite, schist & qtz.		
		RECOV.								
10-60	50		B-4 10-20	< 0.02			Fanglomerate	Mixed chips of granite schist, qtzite, LS & altered latite. Porphyry in an altered hematitic matrix.	Fine matrix of fngl. exhibits chlorite, hematite & siderite alteration.	Some chips of quartz and specularite
			B-4 20-30	< 0.02						Thin calcite veinlets are common. Magnetite prominent in some chips.
			B-4 30-40	< 0.02						Qtz & qtz crystals in vugs and thin veinlets.
										Prominent druzy qtz - minor specularite veinlets.
			B-4 40-50	< 0.02				Matrix varies from silt to coarse sand size.	Chips of silic. porphyry suggest that fngl. post-dates	
			B-4 50-60	0.05					intense alteration of porphyry	
60-120	60	"	B-4 60-70	< 0.02			Andesite and	Dark red-brown altered	Intense siderite alteration.	Dissem. fine-gr. specularite
			B-4 70-80	< 0.02			andesitic mudstone	fine-med gr. granular rock, composed predominantly of	Variable medium to cse-gr chlorite.	crystalline calcite seams and scattered thin vuggy and druzy qtz veinlets.
			B-4 80-90	< 0.02				siderite and minor specularite		Veinlets show central qtz-exterior specularite.
			B-4 90-100	< 0.02						100-120 Numerous vuggy qtz veinlets.
			B-4 100-110	< 0.02						
			B-4 110-120	< 0.02						
120-160	40	"	B-4 120-130	< 0.02			Andesite?	120-140 Speckled gray-black med. gr. rock consisting of	Siderite-calcite alteration	Abundant dissem. specularite.
			B-4 130-140	< 0.02				dark siderite & specularite in a gray matrix of calcite.	Calcite occurs as elongate laths. after plagioclase.	
			B-4 140-150	< 0.02				140-150 Red brown with abdt siderite similar to rock		
								above 120.		
			B-4 150-160	< 0.02				150-160 Mixed siderite and calcite altered andesite.		
160-200	40	"	B-4 160-170	< 0.02			Andesite	Red brown intensely sideritized andesite	Intense siderite alteration.	Scattered quartz and fgr specularite veinlets.
			B-4 170-180	< 0.02				" "	Plagioclase altered to calcite and clays.	
			B-4 180-190	< 0.02					Intense siderite chlorite and hematitic alteration.	Abundant disseminated specularite Scattered thin vuggy qtz and specularite
			B-4 190-200	< 0.02					" "	veinlets. MnOx noted adjacent to veinlets.

(1) ASSAYS by U.S. BORAX RESEARCH CORPORATION, ANAHEIM, CA.

CA CORN & AHERN

HOLE NO. B-4 PROSPECT Bouse COUNTY La Paz STATE Arizona

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
200-250	50	GOOD	B-4 200-210	0.02			Andesite	Red-brown intensely sideritized andesite	Intense siderite chlorite and hematitic alteration	Abundant disseminated specularite scattered thin vuggy quartz and specularite veinlets. MnOx noted adjacent to veinlets.
		RECOV.	B-4 210-220	0.02						
			B-4 220-230	0.02						
			B-4 230-240	0.02						
			B-4 240-250	0.02						
250-300	50	"	B-4 250-260	0.02			"	" "	Plagioclase laths are completely converted to clay	Chip from veinlet of quartz; sericite and limonite after chalcopyrite noted.
			B-4 260-270	0.02				Andesite exhibits extreme variation in grain size with plag laths varying from .01 inch to .25 inch in length.		Types of veinlets indicated by chips include 1) Vuggy quartz
			B-4 270-280	0.02						2) Quartz-specularite
			B-4 280-290	0.02						3) Specularite-chlorite 4) Quartz-specularite & limonite after former pyrite & chpy. Complete Oxidation
			B-4 290-300	0.02						
	INJECTING WATER & FOAM BELOW 300'									300- Increased MnOx. Crystalline pyrolusite noted as seams and veinlets.
300-370	70	FAIR	B-4 300-310	0.02			Andesite			
		RECOV.	B-4 310-320	0.02				Dark gray-green granular rock - grains of former femags	Argillic alteration	Numerous seams and veinlets of calcite
			B-4 320-330	0.02				femags in feldspar matrix altered to clays.	Siderite chlorite, and hematite	Some hematitic limonite after vfg. sulfides- minor remnant magnetite.
			B-4 330-340	0.02				Chips indicate variable brecciation with calcite cement.		
			B-4 340-350	0.02					Calcite	340- Abundant calcite in erratic seams and as dissem. crystals in rock
			B-4 350-360	0.02						
			B-4 360-370	0.02						
370-400	30	VERY POOR	B-4 370-380	0.02			Andesite	Red-brown, intensely sideritized andesite.	Coarse chlorite is fairly abundant	Abundant vuggy quartz seams.
		RECOV.	B-4 380-390	0.02					Dominant alteration	Substantial MnOx.
			B-4 390-400	0.02					Products are siderite clay, chlorite and hematite	Complete Oxidation
400 is TD.										

(1) ASSAYS by U.S. BORAX RESEARCH CORPORATION, ANAHEIM, CA.

CORN & AHERN

HOLE NO. B-5 PROSPECT Bouse COUNTY La Paz STATE Arizona

CLAIM LAP 2 SECTION SE/NE 13 T. 7N R. 18W COLLAR COORDS.

ELEVATION 1030' HOLE SIZE 5 3/8 CORE SIZE Air Hammer HOLE ANGLE Vertical

SPUDDED 11-30-84 COMPLETED 11-30-84 DRILLER B. Talbot LOGGED BY Russell M. Corn

Stevens & Harris

TOTAL DEPTH 420'

DRILL HOLE DESCRIPTIVE LOG

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
0-40	40	GOOD	B-5 0-10	< 0.02			Fanglomerate Granite Breccia	Coarse boulders & cobbles of granite in an unsorted matrix	Siderite, clay and hematite	Abundant quartz, both as seams, veinlets and irreg. filling in breccia matrix.
		RECOV.	B-5 10-20	0.03				Chips are red-brown ~~siderite and hematitic~~ granite - variable grain size	Fine-grained matrix converted to clay, siderite and chlorite.	Specularite occurs in thin veinlets.
			B-5 20-30	< 0.02						Quartz is fractured and exhibits "fracture cleavage."
			B-5 30-40	0.03			30-40 Fanglomerate Breccia Schist	and abundant quartz.		
40-100	60	"	B-5 40-50	< 0.02			Fanglomerate Breccia	Chips are dominantly grains and pebbles of red-gray	Sericite in schist is stained pink to red but has not been altered.	Specularite noted replacing matrix of schist breccia.
			B-5 50-60	< 0.02			Schist	sericite schist in fine-grained siderite altered muddy matrix.		In schist breccia, there are few indicated quartz veinlets, but specularite-siderite veinlets are abundant.
			B-5 60-70	< 0.02						Some schist frags show abdt limonite pseudomorphs after cubic pyrite in a bleached sericitic background. No indication of pyrite in fanglomerate matrix.
			B-5 70-80	< 0.02						
			B-5 80-90	< 0.02			"			
			B-5 90-100	< 0.02						Minor red-orange limonite after vfg sulfides assoc. with specularite seams and in bleached sericitic schist. Chips of barite noted.
100-150	50	"	B-5 100-110	0.03			"			
			B-5 110-120	< 0.02						Crystalline calcite is prominent.
			B-5 120-130	< 0.02			120-130 Fngl. Breccia Granite	Chips of cse gr qtz-rich granite predominate.	Former femags converted to chlorite and siderite.	Chips indicate numerous qtz and barite veinlets.
			B-5 130-140	< 0.02			130-140 Fngl. Breccia Schist	Most of chips are red-brown fgr breccia matrix consisting	K-feldspar partly altered to white clay.	Thin druzy qtz-fluorite veinlets noted in breccia matrix.
			B-5 140-150	< 0.02				of irreg cse sand & larger grains of schist & qtz in fgr. mud.?		Crystalline limonite or lepidocrosite noted as radiating sheafs of xls.
150-210	60	"	B-5 150-160	< 0.02			Fngl. Breccia Schist and andesite			150-160 Prominent qtz veinlets. Abundant siderite, specularite and MnOx.
			B-5 160-170	< 0.02				160- Dark andesite dominant in grains and pebbles.	Intense siderite-calcite alteration.	
			B-5 170-180	< 0.02			170 - Andesite or Lamprophyre			Chips indicate thin limonite veinlets and some vfg. former sulfides are indicated by reddish hematitic limonite.
			B-5 180-190	< 0.02				Fine-med. gr. crystalline rock. 30-40% former ferromags & 60% plag.	Plagioclase converted to clay and calcite.	
			B-5 190-200	< 0.02						
			B-5 200-210	< 0.02						

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CORN & AHERN

HOLE NO. B-5 PROSPECT Bouse COUNTY La Paz STATE Arizona

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
210-260	50	GOOD	B-5 210-220	< 0.02			Andesite	Med. gr. dark brown-brownish black intensely altered rock composed of plag and 20-40% former Femags.	Siderite-clay-calcite alteration. Femags altd to siderite. Plag is converted to clay and calcite. Rock is dominantly carbonate coarse chlorite common adjacent to qtz veinlets	Specularite is both disseminated and in thin veinlets. Chips indicate some thin druzy qtz veinlets as well. Chalcedony with MnOx noted as breccia filling. Remnant magnetite-maghemite is fairly common.
		RECOV.	B-5 220-230	< 0.02						
			B-5 230-240	< 0.02						
			B-5 240-250	< 0.02						
			B-5 250-260	< 0.02						
260-320	60	"	B-5 260-270	< 0.02			"	Andesite exhibits variable shearing and brecciation.		Banded white chalcedony noted.
			B-5 270-280	< 0.02					Abundant calcite disseminated through rock.	Hematitic limonite noted as coatings and in voids in veinlets.
			B-5 280-290	< 0.02						Numerous calcite seams and veinlets.
			B-5 290-300	< 0.02						Chips of fine-gr. qtz-calcite veinlets w/MnOx and hematitic limonite voids lined with fgr limonite are common.
			B-5 300-310	< 0.02						
			B-5 310-320	< 0.02						
320-380	60	"	B-5 320-330	< 0.02			"			
			B-5 330-340	< 0.02						Numerous thin calcite veinlets. Relatively few qtz and specularite veinlets.
			B-5 340-350	< 0.02						
			B-5 350-360	< 0.02						
			B-5 360-370	< 0.02						
			B-5 370-380	< 0.02						
380-420	40	"	B-5 380-390	< 0.02			Breccia	380-410 Fine gr. breccia matrix. Red to red-brown mixture of fine grains. Andesite, schist and siltst.? in fgr. micaceous matrix.	Siderite-chlorite alteration.	380-410 Breccia lacks any veinlets or recognizable qtz, specularite, limonite or MnOx.
			B-5 390-400	< 0.02						
			B-5 400-410	< 0.02						
			B-5 410-420	0.05			410-420 Andesite	Andesite similar to above.	Andesite exhibits abundant blue-green clay. Plag commonly replaced by yellowish siderite.	
420 is T.D.										

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HOLE NO. B-6 PROSPECT Bouse COUNTY La Paz STATE Arizona

CLAIM LAP#28 SECTION 12 NE/SE T. 7N R. 18W COLLAR COORDS.

ELEVATION 950 HOLE SIZE 5 3/8 CORE SIZE Air Hammer HOLE ANGLE Verticle

SPUDDED 11/30/84 COMPLETED 12/1/84 DRILLER B. Talbot Stevens & Harris LOGGED BY R. Corn

TOTAL DEPTH 260

DRILL HOLE DESCRIPTIVE LOG

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
0 -10			B6A 0-10	<.02			Alluvium	Mixed chips of andesite, granite, and arkose		Barite chips noted
10- 60	50	Poor	B6A 10- 20	<.02			Siltstone	Red-brown silicified Siltstone	Clay-siderite-hematite alteration	Scattered thin veinlets of quartz, chlorite, specularite and MnOx.
			" 20- 30	<.02						
			" 30- 40	<.02						
			" 40- 50	<.02						
Hole abandoned-lost circulation--moved to B-6 on outcrop on ridge B-6 samples start at 50 feet.										
50-100	50	Poor	B6 50- 60	<.02			Siltstone	Red-brown siltstone	Clay-siderite alteration	chips of barite are common. veinlets of druzy quartz and barite noted.
			" 60- 70	<.02						
			" 70- 80	<.02						MnOx is prominent in thin druzy quartz veinlets
			" 80- 90	<.02						
			" 90-100	<.02						
100-150	50	Poor	B6 100-110	<.02			Siltstone	Red-brown siltstone and minor fine grained sandstone	Clay-siderite alteration	Siltstone exhibits hematite and MnOx stain
			" 110-120	<.02					some thin siliceous bands silica replacement noted	
			" 120-130	<.02						Chips of barite and thin calcite seams noted
			" 130-140	<.02						130-140 siderite-chlorite-MnOx replacement of thin beds in siltstone unit.
			" 140-150	<.02						Abundant barite and scattered thin vuggy quartz veinlets.

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CORN & AHERN

HOLE NO. B-6 PROSPECT Bouse COUNTY La Paz STATE Arizona

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
150-200	50	Poor	B6 150-160	<.02			Siltstone	Red-brown to dark gray siltstone and very fine grained sandstone	Clay-Siderite alteration	Rock is cut by scattered barite and calcite veinlets.
			" 160-170	<.02						Veinlets and seams of chlorite and siderite noted as well as thin
			" 170-180	<.02						veinlets of druzy quartz
			" 180-190	<.02						MnOx and siderite are disseminated as very fine grains through rock
			" 190-200	<.02						often localized adjacent to veinlets
200-260	60	Poor	B6 200-210	<.02			" "	" " "	Intensity of alteration amount of siderite etc.-	Scattered thin druzy quartz veinlets
			" 210-220	<.02					increases with increasing depth	
			" 220-230	<.02						
			" 230-240	<.02						
		Very	" 240-250	<.02						
		Poor Recovery	" 250-260	<.02				20% of chips are of clay altered sandstone and gouge		240- Increase in crystalline calcite
							260-fault			
260 is TD.		Lost circulation-Hole abandoned								

(1) ASSAYS by U.S. BORAX RESEARCH CORPORATION, ANAHEIM, CA.

CORN & AHERN

HOLE NO. B-7 PROSPECT Bouse COUNTY La Paz STATE Arizona

CLAIM Lap 67 SECTION 13 SW/NE T. 7N R. 18W COLLAR COORDS.

ELEVATION 1020 HOLE SIZE 5 3/8 CORE SIZE Air Hammer HOLE ANGLE Verticle

SPUDDED 12/1/84 COMPLETED 12/1/84 DRILLER B. Talbot Stevens & Harris LOGGED BY R. Corn

TOTAL DEPTH 580'

DRILL HOLE DESCRIPTIVE LOG

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
0 - 50	50	Good	B-7 0 - 10	< .02			Arkose &	Greyish-red, fine-medium grained arkose with	Clay-siderite	Limonitic chips indicate thin veinlets of chlorite, siderite and
		Recovery	" 10 - 20	< .02			Conglomerate	chips of medium grained granite.	hematite, chlorite(?) noted as light yellow-	associated MnOx
			" 20 - 30	< .02				Mixed range of grain size indicates	green soft micaceous material in veinlets	Minor MnOx as coatings and thin seams
			" 30 - 40	< .02				conglomerate rock has been sheared and has a		
			" 40 - 50	< .02				Schistose character.		
50-100	50	Good	B-7 50- 60	< .02			50-60 Siltstone	Medium gray siltstone		Chips of brecciated siltstone are common. Breccia is cemented by
			" 60- 70	< .02			60-80 Arkose	Sheared Arkose as above		siderite. Minor maghemite noted.
			" 70- 80	< .02						few minerals other than siderite have been introduced.
			" 80- 90	< .02			80-100 Siltstone	Medium gray siltstone	Clay-siderite alteration	
			" 90-100	< .02						
100-140	40	Good	B-7 100-110	< .02			Brecciated Arkose and Mudstone	Red-brown intensely sideritized Brecciated	Intense siderite alteration	abundant limonite and limonitic hematite as coatings, thin seams, and
								Arkose or andesitic mudstone. Rock has been		veinlets
			" 110-120	< .02				sheared and brecciated and grains are only	Feldspars converted to white clays	scattered thin druzy qtz veinlets. some qtz-chlorite veinlets contain
			" 120-130	< .02				partly recognizable.		hematitic limonite after former sulfides. 130-140 chalcedonic qtz
			" 130-140	< .02			Arkose, mudstone and latite porphyry	Recognizable latite por 20% of chips		vnlts. are prominent. see (7)
140-200	60	Good	B-7 140-150	< .02			Volcanic Breccia and agglomerate	Red-gray chips of mixed latite, andesite and	Clay-siderite-chlorite alteration	Chips of chalcedonic quartz are common
			" 150-160	< .02				granite in mixed fine grained sandy matrix		Minor druzy qtz vlts.
			" 160-170	< .02						
			" 170-180	< .02						
			" 180-190	< .02				180-dominantly arkosic matrix material.		
			" 190-200	< .02						

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CORN & AHERN

HOLE NO. B-7 PROSPECT Bouse COUNTY La Paz STATE Arizona

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
200-250	50	Good	B-7 200-210	< .02			Volcanic Breccia	Mixed Chips of latite, latite porphyry andesite and granite in an arkosic and muddy matrix	Clay-siderite-chlorite alteration	chips of chalcedonic quartz show associated limonitic hematite.
			" 210-220	< .02			and agglomerate			Limonite and MnOx in scattered seams and veinlets.
			" 220-230	< .02					Former FeMags are completely converted to clay, hematite and MnOx	Some disseminated MnOx
			" 230-240	< .02						
			" 240-250	< .02						
250-300	50	Good	B-7 250-260	< .02			Volcanic Breccia		Chips of porphyry exhibit variable silicification that may predate chlorite siderite alteration	
			" 260-270	< .02			and Agglomerate			
			" 270-280	< .02						
			" 280-290	< .02						
			" 290-300	< .02						
300-330	30	Good	B-7 300-310	< .02			Latite	Light-grey orange porphyritic rock with feldspar-minor qtz phenos in aphanitic matrix	Intense argillic alteration	Increased limonite in thin veinlets and as coatings on chips
			" 310-320	< .02						
			" 320-330	< .02						
330-380	50	Good	B-7 330-340	< .02			335-380 quartzite	Purplish-gray fine grain schistose, micaceous quartzite. May be Mesozoic or Paleozoic quartzite	340-350	Limonite-MnOx seams and veinlets
			" 340-350	< .02					30-50% of chips are bleached white with coarse clots of hematite	
			" 350-360	< .02						
			" 360-370	< .02						
			" 370-380	< .02						
380-410	30	Good	B-7 380-390	< .02			Conglomerate ? or	Mixed chips of quartzite white schist, latite and arkose		390- Increase siderite and MnOx both disseminated and in thin veinlets
			" 390-400	< .02			Breccia			some thin druzy qtz veinlets with minor associated limonitic voids after pyrite
			" 400-410	< .02						

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HOLE NO. B-7 PROSPECT Bouse COUNTY La Paz STATE Arizona PAGE 3 OF 3

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg	ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
410-460	50	Good	B-7 410-420	< .02		Quartzite	Mixed purplish-gray and limonite stained fine-grained quartzite and arkosic quartzite. Many chips exhibit fg. mica and a schistose character.	Clay-chlorite-siderite alteration	Limonite, siderite and MnOx occur both as disseminated grains and in thin veinlets
			" 420-430	< .02					
			" 430-440	< .02					
			" 440-450	< .02					Complete oxidation
			" 450-460	< .02					
460-500	40	Good	B-7 460-470	< .02		Latite Breccia	Mixed fragments of latite and quartzlatic porphyry in a fine grained arkosic matrix	Siderite and "fluffy" limonite after siderite are common.	numerous thin seams and veinlets of quarts and limonite
			" 470-480	< .02					
			" 480-490	< .02					
			" 490-500	< .02					
500-550	50	Good	B-7 500-510	< .02		Quartz latite porphyry	Gray medium grained porphyritic rock. with quartz and feldspar phenocrysts in an aphanitic ground mass		Disseminated MnOx
			" 510-520	< .02					thin limonite and MnOx veinlets are common
			" 520-530	< .02					
			" 530-540	< .02					
			" 540-550	< .02					
550-580	30	Good	B-7 550-560	< .02		" "	" " "		
			" 560-570	< .02					
			" 570-580	< .02					
580 is TD									

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HOLE NO. B-8 PROSPECT Bouse COUNTY La Paz STATE Arizona

CLAIM LAP 61 SECTION 13 NE/SE T. 7N R. 18W COLLAR COORDS.

ELEVATION 1040 HOLE SIZE 5 3/8 CORE SIZE Air Hammer HOLE ANGLE verticle

SPUDDED 12/2/84 COMPLETED 12/2/84 DRILLER B. Talbot Stevens & Harris LOGGED BY R. Corn

TOTAL DEPTH 420'

DRILL HOLE DESCRIPTIVE LOG

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
0- 50	50	Good	B8 0- 10	< .02			Arkose	Gray-pink fine grain arkose and arkosic	Clay chlorite siderite alteration	Limonite-MnOx seams and veinlets are common
			" 10-20	< .02				sandstone		
			" 20- 30	< .02						
			" 30- 40	< .02			30-Quartz latite porphyry	pinkish grey medium grain porhyritic leuco granite	Yellow and yellow green calcite seams are	Minor limonite-MnOx in granite
			" 40- 50	< .02				or quartz latite por. rock is sheared and has a	abundant	
								slight schistose characte		
50- 90	40	Good	B8 50 -60	< .02			Quartz latite(?)	increased bleaching	Biotite is completely converted to specularite	
			" 60- 70	< .02			porphyry	effects with increasing depth		
			" 70- 80	< .02					Feldspars are converted to white clay and talc?	
			" 80- 90	< .02						
90-130	40	Good	B8 90-100	< .02			90-110 quartz latite porphyry	mixed chips of fine grain porphyry as above and		
			" 100-110	< .02			and Tuff	white clay after fine grain feldspar-rich rock		
			" 110-120	< .02			110-130 Tuff and arkosic quartzite	Mixed chips of white clay and dark arkosic qtzite		
			" 120-130	< .02			Fault			
130-180	50	Good	B8 130-140	< .02			130-140 breccia			130-140 abundant siderite, limonite and MnOx
			" 140-150	< .02			140 Arkose	purplish-gray fine grain arkose impregnated by		chalcedony seams and veinlets noted
			" 150-160	< .02				variable amounts of siderite and MnOx		variable disseminated siderite and MnOx
			" 160-170	< .02						
			" 170-180	< .02						

(1) ASSAYS by U.S. BORAX RESEARCH CORPORATION, ANAHEIM, CA.

CORN & AHERN

HOLE NO. B-8 PROSPECT Bouse COUNTY La Paz STATE Arizona

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (I) Au	PPM (I) Hg	ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
180-250	70	Good	B8 180-190	< .02		Arkose	Purple gray fine grain arkose and andesitic		Disseminated siderite and MnOx
			" 190-200	< .02			mudstone derived largely from volcanic debris	Clay-chlorite-siderite	Rock is cut by thin seams of calcite
			" 200-210	< .02				Hematite-calcite alteration	
			" 210-220	< .02				Blue-green clays noted	several chips of jasper noted
			" 220-230	< .02				Abundant calcite	230-250 Abundant limonite, siderite and MnOx
			" 230-240	< .02		Andesitic sandstone and mudstone	dominantly andesitic pebbles and debris		
			" 240-250	< .02					
250-300	50	Good	B8 250-260	< .02					
			" 260-270	< .02					
			" 270-280	< .02		Arkose	Purple-gray fine-medium grain arkose		
			" 280-290	< .02					
			" 290-300	< .02					
300-330	30	Good	B8 300-310	< .02		Arkose	Chips of arkose and light green clay from tuff or pumice fragment	Abundant calcite	
			" 310-320	< .02					
			" 320-330	< .02					
330-360	30	Good	B8 330-340	< .02		Arkose	Chips of arkose and light green clay from tuff or pumice fragment	Abundant calcite	330-360 increased content of limonite, siderite and MnOx
			" 340-350	< .02					
			" 350-360	< .02		Fault			
360-420	60	Good	B8 360-370	< .02		360-370 tuff(?)-Breccia(?)	white and pink clay altd former tuff?	Abundant calcite	
			" 370-380	< .02		370- Fault Granite	Mixed chips of tuff, arkose and sheared granite		
			" 380-390	< .02			Green-gray, coarse grain quartz rich granite	Clay-chlorite alteration	
			" 390-400	< .02					
			" 400-410	< .02					
			" 410-420	< .02					410-420 One chip of granite contains dissem. grains of pyrite-rest are oxidized with limonite and siderite
420 is TD									

(I) ASSAYS by U.S. BORAX RESEARCH CORPORATION, ANAHEIM, CA.

CORN & AHERN

HOLE NO. B-9 PROSPECT Bouse COUNTY La Paz STATE Arizona

CLAIM LAP#6 SECTION 13 (NW/NE) T. 7N R. 18W COLLAR COORDS.

ELEVATION 990' HOLE SIZE 5 3/8 CORE SIZE Air/Rotary HOLE ANGLE Vertical

SPUDDED 12/1/84 COMPLETED 12/2/84 DRILLER B. Talbot (Stevens & Harris) LOGGED BY R Corn

TOTAL DEPTH 460'

DRILL HOLE DESCRIPTIVE LOG

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
0- 60	60	Good	B9 0- 10	< .02			Alluvium	Caliche cemented gravels chips are mixed chloritic gneiss and volcanics		
			" 10- 20	< .02						
			" 20- 30	< .02						
			" 30- 40	< .02						
			" 40- 50	< .02						
			" 50- 60	< .02						
60-110	50	Good	" 60- 70	< .02			Fangl. Breccia	Mixed chips of andesite, siltstone, and granite in fine grain sideritezed matrix	Chlorite-Clay-siderite	
			" 70- 80	< .02					Calcareous-may be old caliche zone	Chips indicate scattered thin quartz-limonite-barite veinlets.
			" 80- 90	< .02				Andesite chips are dominant	Alteration effects are weak	
			" 90-100	< .02						Crystalline calcite seams noted.
			" 100-110	< .02						
							Fault			
110-140	30	Good	B9 110-120	< .02			Latite porphyry	Reddish-gray thoroughly altered porphyritic rock with former feldspar and hnbld phenos in aphanitic ground mass	Pervasive clay-chlorite-siderite alteration	Scattered seams and veinlets of limonite and MnOx
			" 120-130	< .02						
			" 130-140	< .02						Disseminated MnOx
140-180	40	Good	B9 140-150	< .02			Latite porphyry	May be volcanic breccia as indicated by variation in grain size and chips of limonitic and chloritic matrix. chips are latite por. and quartz latite por.	140-160 intense clay-chlorite-siderite alteration	Abundant limonite and MnOx seams and veinlets of chlorite-MnOx and specularite
			" 150-160	< .02						
			" 160-170	< .02						
			" 170 180	< .02						less limonite and MnOx below 170'

(1) ASSAYS by U.S. BORAX RESEARCH CORPORATION, ANAHEIM, CA.

CORN & AHERN

HOLE NO. B-9 PROSPECT Bouse COUNTY LaPaz STATE Arizona

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg	ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
180-250	70	Good	B9 180-190	<.02		Latite-Quartz Latite porphyry Breccia	Chips are all porphyritic volcanic or intrusive rocks of variable grain size but similar composition and character.	Clay-chlorite-siderite alteration	MnOx and hematitic limonite common, both disseminated and in thin veinlets
			" 190-200	<.02					
			" 200-210	<.02				Some chips show leached feldspar phenos and	
			" 210-220	<.02				silicified groundmass	210-250 limonite, MnOx and hematite are less abundant and occur in
			" 220-230	<.02					scattered seams and veinlets
			" 230-240	<.02					
			" 240-250	<.02					
250-300	50	Good	B9 250-260	<.02		" "	Chips are quartz latite porphyry	Intense clay-chlorite siderite alteration	Limonite-siderite-MnOx veinlets are common.
			" 260-270	<.02			Grey to reddish-gray w with .05-.10 inch		Hematitic limonite occurs in voids white clay-sericite altered feldspar
			" 270-280	<.02			phenocyrsts in an aphanitic matrix	clay/sericite altered feldspar phenos are	phenos. siderite is relatively abundant
			" 280-290	<.02				commonly leached away with fine grain quartz	
			" 290-300	<.02				around periphery	
300-340	40	Good	B9 300-310	<.02		" "	" " "	" "	
			" 310-320	<.02					
			" 320-330	<.02					
			" 330-340	<.02					
340-370	30	Poor	B9 340-350	<.02		" "	" " "	" "	340-370-Increased limonite stain on chips
			" 350-360	<.02				Feldspar phenocrysts are replaced by yellow	Suggestion of an increase in fracturing
			" 360-370	<.02				siderite	
Inject at 370'						370' Fault?			

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CORN & AHERN

HOLE NO. B-9 PROSPECT Bouse COUNTY La Paz STATE Arizona

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg.		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
370-440	70	Poor	B9 370-380	<.02			Latite Porphyry	Red and gray fine grain porphyritic rock with 25% former feldspar phenocrysts and 25% femags biotite and bornbleude in light grey aphanitic groundmass	Pervasive clay-chlorite-siderite alteration Former Femags are converted to chlorite. Feldspar phenocrysts are replaced by clay and siderite groundmass appears to have been silicified	Seams and veinlets of limonite-siderite-MnOx are common
			" 380-390	<.02						
			" 390-400	<.02						
			" 400-410	<.02						
			" 410-420	<.02						
			" 420-430	<.02						
			" 430-440	<.02						
							440-Fault			
440-460	20	Poor	B9 440-450	<.02			Andesite	Dark Brown-black fine grained breccia matrix and brecciated andesite? Matrix is sand size grains and a few pebbles in sheared silt sized material	Intense chlorite-siderite alteration	Numerous thin seams and veinlets of vuggy and druzy quartz
			" 450-460	<.02			Breccia			
460 is TD										

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CORN & AHERN

HOLE NO. B-10 PROSPECT Bouse COUNTY La Paz STATE Arizona

CLAIM LAP#31 SECTION 12 (NW/SE/NE) T. 7N R. 18W COLLAR COORDS.

ELEVATION 920 HOLE SIZE 5 3/8 CORE SIZE Air/Rotary HOLE ANGLE Vertical

SPUDDED 12/3/84 COMPLETED 12/4/84 DRILLER B. Talbot, Stevens & Harris LOGGED BY R. Corn

TOTAL DEPTH 460'

DRILL HOLE DESCRIPTIVE LOG

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
0- 30	30	Good	B10 0- 10	< .02			Alluvium			
			" 10- 20	< .02						
			" 20- 30	< .02						
30- 80	50	Good	B10 30- 40	< .02			Arkose	Red-gray, medium grain arkose with grains latite? or former volcanic in muddy matrix	Clay-Siderite Alteration	Siderite and minor hematite disseminated through rock
			" 40- 50	.0					Clay is after former feldspars and commonly is white, soft, and "soapy" in appearance	
			" 50- 60	< .02						
			" 60- 70	< .02				Chips of latite porphyry indicate conglomerate zones		
			" 70- 80	< .02						70- Barite and thin veinlets of specularite noted.
80-130	50	Good	B10 80- 90	< .02			Arkose	Coarse quartz grain and granitic debris are dominant in arkose		
			" 90-100	< .02					Prominant chlorite noted associated with clays and siderite	Chips indicate scattered thin druzy-vuggy quartz veinlets with limonite after former sulfides
			" 100-110	< .02						
			" 110-120	< .02						
			" 120-130	< .02						Complete Oxidation
130-190	60	Good	B10 130-140	< .02			Arkose	Coarse Quartz grain and granitic debris are dominant in arkose	Prominant chlorite noted associated with clays and siderite	
			" 140-150	< .02						Increase in MnOx as dissem. grains and thin veinlets
			" 150-160	< .02						Quartz-specularite veinlets are common
			" 160-170	< .02						Some barite chips noted.
			" 170-180	< .02						
			" 180-190	< .02						

(1) ASSAYS by U.S. BORAX RESEARCH CORPORATION, ANAHEIM, CA.

CORN & AHERN

HOLE NO. B-10 PROSPECT Bouse COUNTY La Paz STATE Arizona

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg	ROCK TYPE	ROCK DESCRIPTION	ALTER TION	MINERALIZATION
190-270	80	Fair	B10 190-200	<.02		Arkose	Med-coarse grained gray to red gray arkose with sheared granite frags.	Clay-chlorite-siderite alteration	Scattered thin druzy quartz, MnOx and specularite veinlets.
			" 200-210	<.02					Abundant chlorite common in and near veinlets
			" 210-220	<.02			Material is dominantly granitic with coarse		Thin barite seams and veinlets indicated
			" 220-230	<.02		Fanglomerate? Breccia	quartz and feldspar.	Some dissem specularite	Brecciated milky quartz in chlorite siderite matrix
			" 230-240	<.02			Rock could be granite or granite gneiss fangl.		Seams and veinlets of chlorite-siderite and specularite are common
			" 240-250	<.02			240- chips are entirely schist and gneiss.		MnOx seams and veinlets are abundant
			" 250-260	<.02					
			" 260-270	<.02					
270-320	50	Poor	B10 270-280	<.02		Granite gneiss Breccia or fanglomerate?	Fragments are entirely gneiss	" " "	Chips indicate numerous thin seams of MnOx; Some associated Caleite
			" 280-290	<.02					
280-Inject	Foam		" 290-300	<.02					
			" 300-310	<.02					
			" 310-320	<.02					
320-360	40	Poor	B10 320-330	<.02		" "	" " "	" " "	Chips indicate numberous thin seams of MnOx
			" 330-340	<.02		Granite gneiss breccia	Chips with fine grain sideritized matrix are common		
			" 340-350	<.02			Most of material is granite gneiss		Scattered thin druzy quartz chlorite veinlets noted
			" 350-360	<.02					
									Complete Oxidation
360-410	50	Poor	B10 360-370	0.03		Breccia	Dark red-brown brecciated gneiss with intense siderite chlorite alteration.	360 Increased intensity of siderite alteration	
			" 370-380	<.02					
			" 380-390	<.02			Some chips of arkose		Seams and veinlets of siderite, chlorite and specularite are fairly abundant.
			" 390-400	<.02			latite and andesite noted		
			" 400-410	<.02					Some thin quartz veinlets noted.

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HOLE NO. B-10 PROSPECT Bouse COUNTY LaPaz STATE Arizona PAGE 3 OF 3

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
410-460	50	Poor	B10 410-420	<.02			Breccia	Dark red-brown, intensely sideritized breccia with	Intense Siderite-chlorite clay alteration	Numberous seams and veinlets of chlorite and specularite.
			" 420-430	<.02				scattered gneiss or arkose fragments dominant		Minor MnOx as coatings on chips
			" 430-440	<.02					Virtually complete red by yellow-grain chlorite	
			" 440-450	<.02				chips of white clay noted-can not determine	and siderite noted in some chips	chips of barite noted
			" 450-460	0.14				former rock type		
							460- HOLE CAVING-VERY POOR RECOVERY			
460 is TD										

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HOLE NO. B-11 PROSPECT Rouse COUNTY La Paz STATE Arizona

CLAIM IAP#34 SECTION NW/SE 12 T. 7N R. 18W COLLAR COORDS.

ELEVATION 950 HOLE SIZE 5 3/8 CORE SIZE Air Rotary HOLE ANGLE vertical

SPUDDED 12/4/84 COMPLETED 12/4/84 DRILLER B. Talbot Stevens & Harris LOGGED BY R. Corn

TOTAL DEPTH 530'

DRILL HOLE DESCRIPTIVE LOG

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
0- 50	50	Poor	B11 0- 10	<.02			Alluvium	Caliche cemented older alluvium		
			" 10- 20	<.02				Mixed chips of gneiss granite and siderite-clay altered volcanic rocks		
Drilled Wet to 110 feet.			" 20- 30	<.02						
			" 30- 40	<.02						
			" 40- 50	<.02						
50-110	60		B11 50- 60	<.02			"	" "		
			" 60-70	<.02				Percentage of altered volcanic rocks increases with increasing depth		
			" 70- 80	<.02						
			" 80- 90	<.02						
			" 90-100	<.02						
			" 100-110	<.02						
110-160	50	Drilled with air to 180' Good recov.	B11 110-120	<.02			Arkose?	Dark red-brown intensely sideritized brecciated arkose ?	Intense siderite-chlorite clay alteration	Abundant MnOx in thin seams and veinlets
			" 120-130	<.02						chips indicate numerous thin vuggy quartz veinlets and thin quartz specularite veinlets
			" 130-140	<.02				Most chips are all siderite, chlorite and FeOx stain-can't distinguish lithology	numerous quartz veinlets	
			" 140-150	<.02					" " "	Chips of barite noted
			" 150-160	<.02						
160-200	40		B11 160-170	<.02			Arkose ?	" "	" " "	Numerous thin vuggy quartz veinlets
			" 170-180	<.02						
		Drilled Wet below 180' Poor recovery	" 180-190	<.02						specularite veinlets common
			" 190-200	<.02						abundant MnOx
										some probable tenorite or melaconite
										Dense MnOx encrusts fractures in quartz veinlets, chlorite specularite and siderite are on outer selvages of quartz veinlets

(1) ASSAYS by U.S. BORAX RESEARCH CORPORATION, ANAHEIM, CA.

CORN & AHERN

HOLE NO. B-11 PROSPECT Bouse COUNTY La Paz STATE Arizona

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg	ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
200-230	30	Poor	B11 200-210	< .02		Arkose ?	Dark red-brown-black intensely sideritized	Intense siderite-clay chlorite alteration	Numerous quartz-specularite veinlets
			" 210-220	< .02			arkose or brecciated arkose		Jaspery chalcedonic quartz occurs in some veinlets
			" 220-230	< .02			Chips appear granular with fine-medium grain	numerous quartz veinlets	MnOx is abundant as seams and veinlets in fractures
							sand size particles	abundant specularite	220-230 specularite and MnOx seams and veinlets are particularly abundant
									Small pyrmidal crystals(tetrahedras) of MnOx mineral(?) noted on quartz and in vugs.
230-260	30	Fair	" 230-240	< .02		Arkose ?	Dark colored intensely sideritized arkose ?	Prominent soft yellowish clays mixed between	230-250 abundant veinlets of specularite and MnOx
			" 240-250	< .02			some chips are speckled-yellow clay and red-brown siderite	siderite grains	20-30% of cuttings are specularite-MnOx veinlets
			" 250-260	< .02					Prominent vuggy quartz-specularite veinlets.
260-300	40	Fair	B11 260-270	< 02		"	" " "	Intense siderite-clay-chlorite alteration	Numerous quartz-specularite veinlets
			" 270-280	< .02				Abundant specularite	Abundant MnOx
			" 280-290	< .02					
			" 290-300	< .02					
300-340	40	Fair	B11 300-310	< .02		"	" " "	" "	MnOx veinlets show xlline MnOx coated by dense aphanitic
			" 310-320	< .02			310-330 Chips of fine grain material suggest		material with globular and mammillary surfaces
			" 320-330	< .02			mixed mudstone? and arkose?		
			" 330-340	< .02					Calcite noted in thin seams and veinlets
340-380	40	Fair	B11 340-350	< 02		"	Dominantly granular	" "	Abundant MnOx
			" 350-360	< .02			arkosic material		Numerous vuggy xlline quartz veinlets
			" 360-370	< .02					Some barite noted
			" 370-380	0.06					Numerous quartz-specularite veinlets

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CORN & AHERN

HOLE NO. B-11 PROSPECT Bouse COUNTY La Paz STATE Arizona

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
380-410	30	Fair	B11 380-390	0.54			Arkose ? Breccia	Red to light red-brown intensely sideritized	Intense siderite-clay-chlorite-specularite	Numerous quartz-specularite veinlets
								arkose or brecciated arkose	alteration	20% or more of cuttings are veinlets
			" 390-400	0.74				Some chips of former silic volcanics		chips of barite noted
									Numerous quartz-specularite veinlets	vfg, red orange limonite indicates former sulfides.
			" 400-410	0.45				400-410 chips of silic. quartz lat. por. are	silicification of matrix evident	Very little MnOx in comparison with material above 380'
								dominant.		400-vfg red orange limonite in sites of former Femags in porphyry
410-460	50	Fair	B11 410-420	0.11			410-420 Quartz latite porphyry	Red to reddish brown intensely altered	Porphyry exhibits pervasive silicification	Numerous quartz and quartz specularite veinlets
								brecciated quartz latite porphyry	in addition to siderite chlorite alteration	vfg red-orange limonite after sulfides is common on margin of quartz veinlets and dissem. in porphyry
			" 420-430	0.06			420-430 mixed porphyry and arkose			
			" 430-440	0.18						Barite noted as thin seams and veinlets.
			" 440-450	0.06						
			" 450-460	0.12						
460-490	30	Fair	B11 460-470	0.05			Brecciated Arkose	Dark red-brown to black intensely altered	Intense siderite-chlorite clay alteration	Numerous quartz and quartz-spec. veinlets
			" 470-480	0.03				brecciated arkose	Silicification	Abundant Barite noted in thin veinlets. Like quartz barite occurs as small xls in vuggy veinlets
			" 480-490	<.02						30-50% of chips are quartz or quartz-specularite.
490-530	40	Poor	B11 490-500	<.02			" "	" " "	" "	
			" 500-510	<.02					Irregular silicification	Quartz-specularite and quartz-barite veinlets are common.
			" 510-520	<.02					Scattered cluster of small quartz crystals	
			" 520-530	<.02						
530 is T.D.										

(1) ASSAYS by U.S. BORAX RESEARCH CORPORATION, ANAHEIM, CA.

CORN & AHERN

HOLE NO. B-12 PROSPECT Bouse COUNTY LaPaz STATE Arizona

S.Smith NW/NW

CLAIM Pat. Claims SECTION 18 T. 7N R. 17W COLLAR COORDS.

ELEVATION 1010 HOLE SIZE 5 3/8 CORE SIZE Air/Rotary HOLE ANGLE Vertical

SPUDDED 12/5/84 COMPLETED 12/5/84 DRILLER B. Talbot LOGGED BY R. Corn

Stevens & Harris

TOTAL DEPTH 560'

DRILL HOLE DESCRIPTIVE LOG

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
0- 10	10	Good	B12 0- 10	< .02			Fanglomerate Breccia	Mixed chips of various rock types		
10- 50	40		" 10- 20	< .02			Brecciated Arkose (?)	Dark red brown intensely altered arkosic rock	Intense siderite-clay-chlorite alteration	Scattered quartz-specularite veinlets
			" 20- 30	< .02			or Andesitic	appears dominantly basic		Some vfg red orange limonite
			" 30- 40	< .02			Sandstone	perhaps andesitic sandstone.		
			" 40- 50	< .02						
50-100	50	Good	B12 50- 60	< .02			Andesite	Brown to red-brown medium grained intensly altered rock. Some thin laths of former plagioclase evident	" " "	Siderite occurs in seams and veinlets as well as pervasively disseminated in rock
			" 60- 70	< .02						
			" 70- 80	< .02						A few scattered thin quartz specularite veinlets are indicated
			" 80- 90	< .02						
			" 90-100	< .02						
100-150	50	Good	B12 100-110	< .02			"	" " "	Clay-Chlorite with variable amounts of siderite	
			" 110-120	< .02						No quartz veinlets or other indications of mineralization
			" 120-130	< .02						
			" 130-140	< .02						
			" 140-150	< .02						
150-200	50	Good	B12 150-160	< .02			Latite-Latite por	Light brown-tan altered latite or latite breccia	" " "	
			" 160-170	< .02					moderate alteration intensity	
			" 170-180	< .02				Chips have variable grain size and suggest cobbles in a fine grain matrix		
			" 180-190	< .02						
			" 190-200	< .02						

(1) ASSAYS by U.S. BORAX RESEARCH CORPORATION, ANAHEIM, CA.

CORN & AHERN

HOLE NO. B-12 PROSPECT Bouse COUNTY La Paz STATE Arizona

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
200-240	40	Good	B12 200-210	<.02			Latite porphyry	Gray-red to tan medium grain porphyritic rock	Clay-chlorite-siderite alteration	chips indicate a few thin calcite veinlets
			" 210-220	<.02				30% feldspar phenos 10-20% femag. phenos	Former Femags are completely converted to	
			" 220-230	< 02					chlorite. Groundmass to clay with some silicification	
			" 230-240	<.02						
240-280	40	Good	B12 240-250	<.02			" "	" " "	" "	
			" 250-260	<.02						
			" 260-270	<.02						
			" 270-280	<.02						
280-320	40	Good	B12 280-290	<.02			Fanglomerate breccia schist frags	Dark red-brown mixed chips of schist and fine grain sheared chloritic matrix	Intense chlorite-clay-siderite alteration	specularite seams noted in chips of schist
			" 290-300	<.02					Abundant siderite	MnOx noted
			" 300-310	<.02						Scattered thin quartz-specularite veinlets indicated.
			" 310-320	<.02						
320-360	40	Good	B12 320-330	<.02			Sandstone and Mudstone	light red-brown fine grain sandstone and mudstone	" "	Red orange limonite associated with chlorite seams and veinlets
			" 330-340	<.02						Chips of chalk-white chalcedony
			" 340-350	<.02						MnOx in seams and veinlets
			" 350-360	<.02			Fault	350-360 mixed chips of sandstone, clays, and porphyry		Numerous thin quartz-specularite veinlets
360-400	40	Good	B12 360-370	<.02			Breccia	Mottled light and dark gray-clay altered	Rock is completely altered to soft	Abundant caloite
			" 370-380	<.02			Arkose and Granite	arkose and granite	clay and purple earthy hematite	
			" 380-390	<.02			marble and quartzite	schistose purple marble and quartzite	Very little siderite	
			" 390-400	<.02						

(1) ASSAYS by U.S. BORAX RESEARCH CORPORATION, ANAHEIM, CA.

CORN & AHERN

HOLE NO. B-12 PROSPECT Bouse COUNTY La Paz STATE Arizona

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
400-450	50	Good	B12 400-410	<.02			Brecciated	Mixed chips of purple marble, quartzite	Alteration effects vary from chip to chip	
			" 410-420	<.02			Marble and quartzite	arkose, volcanics, and granite	suggesting alteration prior to faulting	fine grain dissem. specularite in in marble
			" 420-430	<.02				420-450 dominantly marble		
			" 430-440	<.02						
			" 440-450	<.02						
450-480	30	Poor	B12 450-450	<.02			" "	Mixed chips of marble, quartzite, arkose, granite and volcanics	chips are virtually unaltered	Chip of talc or pyroph. noted
			" 460-470	<.02						
			" 470-480	<.02						
480-510	30	Poor	B12 480-490	<.02			Brecciated	Mixed chips of white Talc quartzite and sheared-	fine grained specularite noted	
			" 490-500	<.02			quartzite, talc, and arkose	schistose rock of lineated dark quartz and	in schistose quartz-talc rock	
			" 500-510	<.02				specularite laminated with talc		
								510- dominantly chips of arkose		
510-550	40	Poor	B12 510-520	<.02			Arkose (?) or	fine grain dark gray rock made up of grains of	Rock is cut and replaced by numerous tan and	numerous siderite and calcite veinlets
			" 520-530	<.02			sandstone	specularite or dark quartz in a clay matrix	yellow calcite and and siderite seams	Chips of coarse specularite in siderite
			" 530-540	<.02					Abundant clay, including blue-green clays	MnOx noted with siderite
			" 540-550	<.02						520- chalcedonic quartz and jasper noted in sandstone as irregular replacement and veinlets.
550-560	10	Poor	B12 550-560	<.02			Arkose	Light grey-green grey medium to coarse grained Arkose	Abundant clay, calcite and siderite but little or no specularite	Chips indicate irregular seams and replacement zones of quartz and siderite
560 is TD										

(1) ASSAYS by U.S. BORAX RESEARCH CORPORATION, ANAHEIM, CA.

CORN & AHERN

HOLE NO. B-13 PROSPECT Bouse COUNTY La Paz STATE Arizona

CLAIM Lap #30 SECTION NE/SE 12 T. 7N R. 18W COLLAR COORDS.

ELEVATION 940 HOLE SIZE 5½" CORE SIZE Rev. Circ-Air HOLE ANGLE vert.

SPUDDED 2/11/86 COMPLETED 2/13/86 DRILLER Stevens & Harris, Talbot LOGGED BY M. Dennis

TOTAL DEPTH 500

DRILL HOLE DESCRIPTIVE LOG

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
0-40	40	Good	B-13 0-10	.17			Alluvium	Mixture of volcanic and tuffaceous siltstones & mudstones cemented w/ caliche		
			B-13 10-20	<.02						
			B-13 20-30	<.02						
			B-13 30-40	<.02						
40-120	80	Good	B-13 40-50	.14			Brecciated siltstone and minor arkose	Dark red-brown tuffaceous siltstone w/minor reddish arkose	Strong hematite, minor amounts of clay & sericite	
			B-13 50-60	<.02						
			B-13 60-70	.06						
			B-13 70-80	<.02						
			B-13 80-90	<.02					80-90 increasing amounts of hematite along fractures	
			B-13 90-100	<.02						
			B-13 100-110	<.02					100-110 increase in hematitic and argillic alteration	
			B-13 110-120	<.02					110-120 addition of minor chlorite	
					----------		120' Fault -------			
120-210	90	Good	B-13 120-130	<.02			Brecciated tuffaceous siltstone	Dark red-brown tuffaceous siltstone	120-130 intense argillic-chloritic & hematitic alteration, clay balls	
			B-13 130-140	<.02					locally abundant sericite	130-140 trace of specularite
			B-13 140-150	<.02						140-150 trace barite
			B-13 150-160	<.02					150-160 increase in hematite & clay on fractures	
			B-13 160-170	<.02						160-170 minor barite
			B-13 170-180	<.02						
			B-13 180-190	<.02						
			B-13 190-200	<.02					190-200 increase in hematite	180-190 trace of barite, siderite
			B-13 200-210	<.02					200-210 slight increase in chlorite	200-210 mod qtz-specularite veins
					----------		210' Fault ------			
210-260	50	Good	B-13 210-220	<.02			Brecciated siltstone and arkose?	50/50 mixture of red-brown siltstone and white arkosic sandstone	210-220 clay balls, intense chloritic and hematitic alteration of siltstone chips, arkose chips	220-230 tr. very thin hematitic veinlets in arkose, trace qtz-
			B-13 220-230	<.02						

(1) ASSAYS by U.S. BORAX RESEARCH CORPORATION, ANAHEIM, CA.

CORN & AHERN

HOLE NO. B-13 PROSPECT Bouse COUNTY La Paz STATE Arizona

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
							Brecciated siltst & arkose		variably argillically alt	-speculatite veins,
			B-13 230-240	<.02				230-240 increased intensity of brecciation		trace barite
			B-13 240-250	<.02			240-250 70% brecciated arkose		240-260 intense hematitic alt. of both sltstone & arkose	230-260 weak diss. specularite
			B-13 250-260	<.02					250-260 a few silicieous chips	
260-270	10	Good	B-13 260-265	<.02			Intermediate flow w/minor arkose	Porphyritic flow w/phenos of argillically alt. feld	clay replacing feldspars, specularite rimming or	trace fe-ox after pyrite? diss. specularite
			B-13 265-270	<.02				spar; weakly to strongly brecciated	completely replacing hlbc biotite replaced by hema-	trace qtz-specularite veins
									titic sericite	
270-280	10	Good	B-13 270-275	<.02			Mix of brecciated siltstone, flow & arkose	strongly brecciated; descriptions as above	intense hematitic alt., wk to mod-chl.alt.,minor	trace qtz-specularite veins
			B-13 275-280	<.02					argillic alt,mod to intense sericite on fractures	
280-370	90	Good	B-13 280-285	<.02			Mostly siltstone w/minor arkose,	as above	strong chloritic + hematitic + sericitic alt. of	trace barite
			B-13 285-290	<.02			trace porphyritic flow?		siltstone	
			B-13 290-295	<.02			290 all tuffaceous siltstone	brecciated, red to red brown siltstone, w/hema-	290 intense chlorite & hematite alt., strong se-	tr-specularite
			B-13 295-300	<.02				tite stain	ricite on fractures; locally siliceous	
			B-13 300-305	<.02						300-305 drusy qtz frags, tr. fluorite + barite
			B-13 305-310	<.02					305-310 Fe-Mn silicate (trace)	305-310 tr. barite
			B-13 310-315	<.02					310 strong fe-ox, chlorite minor	
			B-13 315-320	<.02					315 strong bright red hematitic alt. chloritic	
			B-13 320-325	<.02					alt. locally	320-325 tr. qtz
			B-13 325-330	<.02						
			B-13 330-335	<.02						
			B-13 335-340	<.02				335-370 extremely broken up	335-340 mod chl. & hematitic alt. pervasive	
			B-13 340-345	<.02					340-350 very clay rich (fault?)	
			B-13 345-350	<.02						
			B-13 350-355	<.02				350-355 very clay rich		trace qtz
			B-13 355-360	<.02					355-370 strong argillic & chloritic alt., very	trace barite
			B-13 360-365	<.02				large clay balls probable major fault	strong fe-ox rich clay	trace barite
			B-13 365-370	.03				clay balls, 15% arkose?		trace qtz

(1) ASSAYS by U.S. BORAX RESEARCH CORPORATION, ANAHEIM, CA.

CORN & AHERN

HOLE NO. B-13 PROSPECT Bouse COUNTY La Paz STATE Arizona

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
370-425	55	Good	B-13 370-375	<.02			brecciated granite	med. to coarse grained breccia w/angular to sub-rounded feldspar grains in fine grained silty matrix, qtz present but in small quantities, except in matrix; very finely comminuted in some chips	argillic alt. of feldspar matrix weakly to mod silicified w/pervasive fe-ox minor chloritic alt.; mod fe-ox; mod. fe-ox bearing clay coating frags	very thin siderite veinlets cutting larger feldspar clasts
			B-13 375-380	<.02						375-380 trace specularite
			B-13 380-385	<.02						380-385 minor specularite
			B-13 385-390	<.02						
			B-13 390-395	<.02						390-395 sparse specularite
			B-13 395-400	<.02				clay balls, very finely comminuted. granite w/ possible quarztose siltstone		395-410 sparse qtz veinlets, weak diss. specularite
			B-13 400-405	<.02						
			B-13 405-410	<.02						
			B-13 410-415	<.02				410-420 possible addition of 10% hematitic tuffaceous siltstone	as above but with locally strong chloritic alt.	sparse diss. specularite, thin fe-ox veinlets cutting broken feldspar grains
			B-13 415-420	<.02						
			B-13 420-425	<.02				abundant clay balls, 40% brown sericitic siltstone	extremely abundant fe-ox clay	sparse diss. spec.
425-485	60	Good	B-13 425-430	<.02			tuffaceous siltstone, weakly brecciated	brown to red brown siltstone	strong pewasive fe-ox + sericite w/locally mod. chlorite alt.	trace vugs lined w/drusy qtz, wk diss. specularite
			B-13 430-435	<.02				430-435 a few grains of subangular feldspar; may indicate granitic bxa		weak diss. specularite
			B-13 435-440	<.02				435-440 30% of the chips contain angular feldspar grains in silty sericite		
			B-13 440-445	<.02				rich matrix; 440-445 as above but w/some subangular qtz grains	very abundant fe-ox bearing clay	
			B-13 445-450	<.02				445-475 clay balls, rare feldspar grains in silty matrix		
			B-13 450-455	<.02						
			B-13 455-460	<.02						
			B-13 460-465	.06				very abund. clay balls, tr. feldspar + qtz grains in silt matrix	very abundant fe-ox clay	trace specularite
			B-13 465-470	<.02					as above	
			B-13 470-475	<.02				mod. # of chips w/feldspar ± qtz clasts		mod. specularite (disseminated)
			B-13 475-480	<.02						MnO2 stain on fractures
			B-13 480-485	<.02				clay balls, abundant angular feldspar + rounded qtz in silty matrix	strong fe-ox, sericitic alt. locally strong chlorite clay balls	trace specularite
485-500	15	Good	B-13 485-490	<.02			brecciated granite			trace specularite
			B-13 490-495	<.02						
			B-13 495-500	<.02						trace fe-ox after pyrite
			EOH							

(1) ASSAYS by U.S. BORAX RESEARCH CORPORATION, ANAHEIM, CA.

CA CORN & AHERN

HOLE NO. B-14 PROSPECT Bouse COUNTY La Paz STATE Arizona

CLAIM Lap #32 SECTION 12 NW/SE T. 7N R. 18W COLLAR COORDS.

ELEVATION 930 HOLE SIZE 5½" CORE SIZE Rev. Circ-Air. HOLE ANGLE vert.

SPUDDED 2/14/86 COMPLETED 2/15/86 DRILLER Stevens & Harris Talbot LOGGED BY M. Dennis

TOTAL DEPTH 500'

DRILL HOLE DESCRIPTIVE LOG

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
0-50	50	Good	B-14 0-10	<.02			Alluvium	Volcanic and granite frags. cemented by caliche at top of hole and locally to 40'		
			B-14 10-20	<.02						
			B-14 20-30	<.02						
			B-14 30-40	<.02						
			B-13 40-50	<.02						
50-190	140	Good	B-14 50-60	<.02			Siltstone	red-brown to grey mod-si siltstones	Strong fe-ox throughout chips	trace specularite vein
			B-14 60-70	<.02				60-70 a few rounded qtz grains	60-70 wk sericite	MnO2 on fractures
			B-14 70-80	<.02					70-80 mod. sericite	MnO2 on fractures, trace specularite
			B-14 80-90	<.02						abundant MnO2 on fractures, trace qtz vein
			B-14 90-100	.06					90-100 mod-sericite	90-100 calcite in vug MnO2 on fractures
			B-14 100-110	<.02					100-110 minor clay on fractures	wk MnO2
			B-14 110-120	<.02					110-120 slightly stronger sericite on fractures & fe-ox	Strong MnO2, wk qtz veining
			B-14 120-130	<.02						Strong MnO2, wk calcite
			B-14 130-140	.03					strong pervasive fe-ox alt. of siltstone	very strong MnO2 as fracture coatings + veins
			B-14 140-150	.03					" "	Strong MnO2 as fracture coatings
			B-14 150-160	<.02					" "	Strong MnO2, trace barite, wk calcite
			B-14 160-170	<.02					" "	Strong MnO2, trace barite
			B-14 170-180	<.02					" "	mod. MnO2, trace specularite-qtz veinlet
			B-14 180-190	<.02				180-190 trace arkosic siltstone w/qtz + feldspar, trace of micro brecciated arkose?	180-190 a little stronger fe-ox along fractures	spotty MnO2, trace qtz vein
190-210	20	Good	B-14 190-200	<.02			Mixture of intermediate flow and arkosic breccia 200-210 tr. tuffaceous siltstone	Porphyritic latite? w/ devitrified ground-mass; bxa has subangular to rounded feldspars in silty matrix	Feldspar phenos alt. to clay & fe-oxides; generally moderate-fe-ox alt. of breccia, local sericite and chlorite	Mod. MnO2 on fractures, wk diss specularite in flow
			B-14 200-210	<.02						200-210 mod. diss. specularite
210-500	290	Good	B-14 210-220	<.02			Arkosic Breccia	Angular to subround feldspar and abundant qtz in fe-ox stained silty groundmass	strong pervasive fe-ox, feldspars variably alt. to clay, silty matrix mod. siliceous	wk qtz + specularite veining
			B-14 220-230	<.02						mod. MnO2, tr. barite

(1) ASSAYS by U.S. BORAX RESEARCH CORPORATION, ANAHEIM, CA.

CORN & AHERN

HOLE NO. B-14 PROSPECT Bouse COUNTY La Paz STATE Arizona

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
230-500		Good	B-14 230-240	<.02			Arkose Breccia		" "	" "
			B-14 240-250	<.02					" "	" , tr. barite
			B-14 250-260	<.02			20% of chips are intermediate comp.		" "	
			B-14 260-270	<.02			porphyry Arkosic breccia	porphyry missing	as above	tr. qtz-specularite vein, mod. barite mod. MnO2
			B-14 270-280	<.02				feldspar + qtz clasts no larger than coarse sand		mod. barite
			B-14 280-290	<.02				+ well rounded	pale blue green clay alt. of feldspar	wk MnO2, tr. barite
			B-14 290-300	<.02					abundant fe-ox stained clay coating chips; feld-	wk MnO2
			B-14 300-305	<.02				breccia becoming increasingly finer grained	spars alt. to clay & sericite	abund-qtz specularite veins, tr. barite
			B-14 305-310	<.02						wk MnO2 + specularite, tr. barite
			B-14 310-315	<.02						wk MnO2, mod. barite
			B-14 315-320	.06				slightly coarser grained w/ few cse sand size feld		tr. qtz-specularite vein, wk MnO2
			B-14 320-325	<.02				spars, little or no qtz		wk MnO2
			B-14 325-330	.15						tr. barite, wk MnO2
			B-14 330-335	<.02					chips become weakly argillically altered in addi-	mod. barite
			B-14 335-340	<.02				increase in qtz abundance	tion to fe-ox sericite after biotite in	wk MnO2
			B-14 340-345	<.02					coarser grained chips, trace carbonate	mod. barite + qtz vein
			B-14 345-350	<.02						tr. qtz vein
			B-14 350-355	<.02						tr. MnO2, mod. barite & qtz vein
			B-14 355-360	<.02						tr. barite
			B-14 360-365	<.02						wk MnO2, tr. barite
			B-14 365-370	<.02					increased intensity of argillic alteration	wk MnO2
			B-14 370-375	<.02					increased fe-ox alt.	mod. barite especially along fractures, tr. qtz veinlets
			B-14 375-380	.03						tr. qtz-specularite veinlet, wk MnO2 & barite
			B-14 380-385	<.02						tr. barite, MnO2
			B-14 385-390	<.02						
			B-14 390-395	<.02				fine grained w/abundant altered mafic mins	sericite + fe-ox after biotite	tr. qtz veinlet
			B-14 395-400	<.02						tr. barite & qtz
			B-14 400-405	<.02					abundant clay coating chips	
			B-14 405-410	<.02				coarser grained, up to granule size feldspars	feldspars alt. to pale blue green clay	mod. MnO2 + barite

(1) ASSAYS by U.S. BORAX RESEARCH CORPORATION, ANAHEIM, CA.

CORN & AHERN

HOLE NO. B-14 PROSPECT Bouse COUNTY La Paz STATE Arizona PAGE 3 OF 3

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
		Good	B-14 410-415	<.02			Arkose Breccia		chips pervasively argillically alt. + fe-ox alt.	tr. barite
			B-14 415-420	<.02				abundant argically alt. feldspars	tr. secondary biotite	tr. MnO2 + barite
			B-14 420-425	<.02						mod. MnO2, tr. barite + qtz
			B-14 425-430	<.02				clay balls	as above	wk MnO2
			B-14 430-435	<.02					as above	
			B-14 435-440	<.02				abundant fe-ox rich clay very fine grained bxa	increasing intensity of argillic alt.	tr. MnO2
			B-14 440-445	<.02				"	tr. chlorite	tr. MnO2
			B-14 445-450	<.02				"	"	tr. MnO2
			B-14 450-455	<.02				"	"	
			B-14 455-460	<.02				"	"	
			B-14 460-465	<.02				"	Mod. chlorite	
			B-14 465-470	<.02				"	"	tr. qtz-specularite vn
			B-14 470-475	<.02				"	"	
			B-14 475-480	<.02				"	"	
			B-14 480-485	<.02				"	"	
			B-14 485-490	<.02				"	"	
			B-14 490-495	<.02				"	"	
			B-14 495-500	<.02				"	slight increase in fe-ox	
			EOH							

(1) ASSAYS by U.S. BORAX RESEARCH CORPORATION, ANAHEIM, CA.

CORN & AHERN

HOLE NO. B-15 PROSPECT Bouse COUNTY La Paz STATE Arizona

CLAIM Lap #35 SECTION 12 SE/NW T. 7N R. 18W COLLAR COORDS.

ELEVATION 910 HOLE SIZE 5½ CORE SIZE Rev. Circ.-Air HOLE ANGLE Vertical

SPUDDED 2/15/86 COMPLETED 2/16/86 DRILLER Stevens & Harris Talbot LOGGED BY M. Dennis

TOTAL DEPTH 500'

DRILL HOLE DESCRIPTIVE LOG

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
0-100	100	Good	B-15 0-10	<.02			Alluvium	Mix of volcanic siltstone arkosic breccia, felsic tuff and gneiss cemented locally by caliche		
			B-15 10-20	<.02						
			B-15 20-30	.06						
			B-15 30-40	<.02						
			B-15 40-50	<.02						
			B-15 50-60	<.02						
			B-15 60-70	<.02						
			B-15 70-80	<.02						
			B-15 80-90	<.02						
			B-15 90-100	<.02						
100-150	50	Good	B-15 100-110	.06			Mix of tuffaceous siltstones, arkosic breccia, rhyolitic tuff and qtz	Purple, green, white siltstones, red-brown breccia + white tuff	abundant white sticky clay coating chips, feldspars in breccia alt. to clay, wk fe-ox	Abundant qtz (vein?)
			B-15 110-120	<.02						
			B-15 120-130	<.02						
			B-15 130-140	<.02						
			B-15 140-150	<.02						
150-210	60	Good	B-15 150-160	<.02			Siltstone	Volcaniclastic silt to fg sandstone, contains clasts of intermediate comp. tuff	variable fe-ox, mod. to strong chlorite; cuttings variably coated w/white clay	tr. MnO2
			B-15 160-170	<.02						weak qtz vein
			B-15 170-180	<.02					"	
			B-15 180-190	<.02				Possibly brecciated, a few angular feldspar clasts	stronger fe-ox & chlorite	
			B-15 190-200	<.02					"	wk MnO2
			B-15 200-210	<.02				increasing feldspar abundance, some chips very siliceous	"	tr. specularite
210-240	30	210-220 poor	B-15 210-220	<.02			Breccia	fine to med-gr, mod to poorly sorted, subangular to rounded feldspar + chl-qtz schist clasts	abundant tan clay coating chips, feldspars alt. to clay, variable fe-ox	abundant qtz (vein?)
		Good	B-15 220-230	<.02						"

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CORN & AHERN

HOLE NO. B-15 PROSPECT Bouse COUNTY La Paz STATE Arizona

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg	ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
			B-15 230-240	<.02		Breccia	220-230 mix of felsic to inter. comp.porphyry,	"	" + tr. specularite
							siltstone, breccia chl schist & bull qtz.		
240-340	100	Good	B-15 240-250	<.02		Arkosic breccia	deep red-brown, cse sand to granule size feldspar	strong argillic and fe-ox alt. Feldspars commonly	wk MnO2
			B-15 250-260	<.02			in finely comminuted silty matrix. Feldspars	alt. to pale green clay	wk MnO2
			B-15 260-270	<.02			subrounded to subangular	", abundant red clay coating chips	tr. specularite, wk MnO2
			B-15 270-280	<.02			finer grained than above no larger feldspar clasts	", increase in fe-ox	tr. MnO2
			B-15 280-290	<.02				", wk to mod chl	"
			B-15 290-300	<.02				"	
			B-15 300-305	<.02				"	mod. MnO2
			B-15 305-310	<.02			a few large siltstone clasts	"	wk MnO2
			B-15 310-315	<.02			fine grained	", wk chl	tr. MnO2
			B-15 315-320	<.02				", abundant red clay	
			B-15 320-325	<.02				", increase in fe-ox	tr. MnO2
			B-15 325-330	<.02			1-2% lt green quartzose siltstone	minor amounts of yellow ", fe-ox on fractures	tr. MnO2
			B-15 330-335	<.02			~10% "	Strong fe-ox, wk chl, local silicified clasts	
			B-15 335-340	<.02			no "	"	
340-390	50	Good	B-15 340-345	<.02		Silicified Microbreccia	white-pale green-brown locally foliated, qtz &	Strong sil. & chloritization, feldspars to clay	abundant qtz veinlets
			B-15 345-350	<.02			feldspar clasts in silicified matrix, clasts	& sericite, mafics to fe-ox + sericite, wk fe-ox	tr. bull qtz vein
			B-15 350-355	<.02			generally broken: increasing more finely comminuted	on fractures.	diss. specularite
			B-15 355-360	<.02				"	tr. barite
			B-15 360-365	<.02			grey to pale greenish-grey	", wk yellow fe-ox on fractures	mod. diss specularite
			B-15 365-370	<.02				"	"
			B-15 370-375	<.02				", slight increase in fe-ox + minor chlorite	wk diss specularite
			B-15 375-380	<.02				", increase fe-ox + chl	wk qtz vein, tr. MnO2
			B-15 380-385	.03				"	tr. barite
			B-15 385-390	<.02					
390-405	15	Good	B-15 390-395	<.02		Schist breccia	qtz-chl schist w/20% siltstone chips	variable fe-ox, mod. sericite along fractures	wk diss specularite

(1) ASSAYS by U.S. BORAX RESEARCH CORPORATION, ANAHEIM, CA.

CORN & AHERN

HOLE NO. B-15 PROSPECT Bouse COUNTY La Paz STATE Arizona

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
			B-15 395-400	<.02			Schist Breccia	abundant siltstone breccia chips		
			B-15 400-405	<.02				equal proportions schist + siltstone chips		tr. MnO2 & qtz vein
405-445	40	Good	B-15 405-410	<.02			Arkosic breccia	red-brown, subangular to angular feldspars in silty matrix, -abundant qtz -chl schist	strong pervasive fe-ox, feldspars alt. to clay	
			B-15 410-415	<.02				chips and coarse grained breccia		tr. qtz vein
			B-15 415-420	<.02				dominantly quartzose breccia		tr. MnO2 + qtz vein
			B-15 420-425	<.02				Mixture of qtz-sericite chl. schist + arkose breccia.		" "
			B-15 425-430	<.02				60% schist chips	abundant sericite	
			B-15 430-435	<.02				70% fine grained arkose breccia		tr. qtz vein
			B-15 435-440	<.02				15% schist		tr. qtz vein
			B-15 440-445	<.02					abundant sericite in arkose breccia	tr. barite
445-465	20	Good	B-15 445-450	<.02			Schist breccia	90% qtz-ser + chl schist w/minor sericitic arkose	wk to mod fe-ox	tr. qtz vein & MnO2
			B-15 450-455	<.02				breccia-abundant arkose breccia chips		tr. qtz vein
			B-15 455-460	<.02					mod. fe-ox in schist	tr. qtz vein + diss specularite
			B-15 460-465	<.02						
465-475	10	Good	B-15 465-470	<.02			Arkose breccia	red-brown, subrounded to subangular feldspars in silty matrix, abundant rounded qtz; 420-475 50% schist	strong argillic alt. of feldspars, mod to str. pervasive fe-ox	tr. MnO2
			B-15 470-475	<.02						tr. MnO2
475-490	15	Good	B-15 475-480	<.02			Schist breccia	50% schist chips, some w/feldspar clast	wk to mod. fe-ox	
			B-15 480-485	.03				abundant qtz-feld breccia	strong fe-ox in arkose bxa	tr. specularite
			B-15 485-490	<.02						tr. specularite & qtz vein
490-500	10	Good	B-15 490-495	<.02			Arkose breccia	90% qtz-feld. breccia, subangular to subrounded	feldspars alt. to clay strong pervasive fe-ox	tr. qtz vein
			B-15 495-500	<.02				feldspar & qtz in silty matrix		
			EOH							

(1) ASSAYS by U.S. BORAX RESEARCH CORPORATION, ANAHEIM, CA.

CORN & AHERN

HOLE NO. B-16 PROSPECT Bouse COUNTY La Paz STATE Arizona

CLAIM Lap # 38 SECTION 12 NE/SW T. 7N R. 18W COLLAR COORDS.

ELEVATION 930 HOLE SIZE 5½" CORE SIZE Rev Circ.-Air. HOLE ANGLE Vertical

SPUDDED 2/16/86 COMPLETED 2/16/86 DRILLER Stevens & Harris Talbot LOGGED BY M. Dennis

TOTAL DEPTH 540'

DRILL HOLE DESCRIPTIVE LOG

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
0-60	60	Good	B-16 0-10	<.02			Alluvium	Volcanic + gneissic rocks weakly cemented by caliche		
			B-16 10-20	<.02				Contact w/bedrock gradational		
			B-16 20-30	<.02						
			B-16 30-40	<.02						
			B-16 40-50	<.02						
			B-16 50-60	<.02						
60-210	150	Good	B-16 60-70	<.02			Siltstone	dominantly dark red-brn. tuffaceous siltstone w/ subordinate amounts of quartzose siltstone and granite?; trace of arkosic breccia	strong pervasive fe-ox, wk silicification	wk to mod MnO2
			B-16 70-80	<.02						
			B-16 80-90	<.02						tr. qtz vein
			B-16 90-100	<.02				90-100 increasing abundance of arkose breccia + felsic tuff		
			B-16 100-110	<.02					abundant red clay coating chips	tr. MnO2
			B-16 110-120	<.02				most chips brecciated		tr. MnO2
			B-16 120-130	.03						tr. MnO2
			B-16 130-140	<.02						tr. MnO2
			B-16 140-150	<.02				Most chips brecciated, 10% arkose breccia		tr. MnO2 + qtz vein
			B-16 150-160	<.02				5% qtz-feld siltstone		mod. MnO2
			B-16 160-170	<.02				minor clay balls, most clast brecciated		tr. qtz vein
			B-16 170-180	.59					Strong sericite assoc/w specularite	mod specularite + MnO2
			B-16 180-190	<.02						tr. qtz vein, locally strong MnO2
			B-16 190-200	.03				trace rounded qtz grains	wk argillic alt.	
			B-16 200-210	<.02				strong brecciation		mod. MnO2
210-495	235	Good	B-16 210-220	<.02			Breccia	fine grained silty breccia, deep red brown, finely comminuted extremely abundant FeMn silicate	Strong pervasive fe-ox, wk argillic, local wk chlorite	wk MnO2
			B-16 220-230	<.02						very strong Mn
			B-16 230-240	<.02				(H 7) (very hard)		Strong MnO2

(1) ASSAYS by U.S. BORAX RESEARCH CORPORATION, ANAHEIM, CA.

CORN & AHERN

HOLE NO. B-16 PROSPECT Bouse COUNTY La Paz STATE Arizona

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
240-320	80	Good	B-16 240-250	<.02			Breccia		abundant red-brown clay coating chips	wk MnO2
			B-16 250-260	.06					very strong fe-ox, locally strong sericite	wk MnO2
			B-16 260-270	.15						
			B-16 270-280	<.02						
			B-16 280-290	<.02					abundant clay coating chips	tr. specularite
			B-16 290-300	<.02					locally strong sericite, strong pervasive argillic	alt.
			B-16 300-305	.09					abundant clay	tr. MnO2
			B-16 305-310	<.02						tr. barite + qtz veinlets, wk MnO2
			B-16 310-315	<.02					abundant clay	tr. barite + MnO2
			B-16 315-320	<.02				slightly coarser grain size	"	vugs lined w/drusy qtz
320-415	95	Poor	B-16 320-325	<.02			Breccia	Most of sample is brown clay, a few rounded qtz clasts in breccia chips	"	mod specularite, drusy qtz lined vugs
			B-16 325-330	<.02					", clay balls	
			B-16 330-335	<.02						tr. barite
			B-16 335-340	<.02						tr. qtz
			B-16 340-345	<.02				1-2% quartz breccia	Abundant clay	tr. barite, specularite
			B-16 345-350	<.02					"	tr. qtz vein, specularite
			B-16 350-355	<.02						
			B-16 355-360	<.02						tr. barite
			B-16 360-365	<.02						tr. barite + MnO2
			B-16 365-370	<.02					increasing degree of argillic alt.	tr. MnO2
			B-16 370-375	<.02						tr. MnO2
			B-16 375-380	<.02						tr. MnO2
			B-16 380-385	<.02					clay balls, intense argillic alt.	
			B-16 385-390	<.02						mod. MnO2
			B-16 390-395	<.02						tr. qtz. specularite vn
			B-16 395-400	<.02						mod. MnO2
			B-16 400-405	<.02						mod. MnO2 tr. barite
			B-16 405-410	.16						mod. MnO2
			B-16 410-415	.21						tr. MnO2

(1) ASSAYS by U.S. BORAX RESEARCH CORPORATION, ANAHEIM, CA.

CORN & AHERN

HOLE NO. B-16 PROSPECT Bouse COUNTY La Paz STATE Arizona

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
415-445	30		B-16 415-420	.27			Breccia			Strong MnO2
		Poor	B-16 420-425	.08					clay balls, intense argillic alt.	Mod. MnO2
			B-16 425-430	<.02						Mod. MnO2
			B-16 430-435	<.02						
			B-16 435-440	.05						
			B-16 440-445	.06						
445-540	95	Good	B-16 445-450	.78			Granite breccia	coarse grained, angular to subangular qtz & feld	wk to mod fe-ox, spotty argillic (feldspars) alt.	tr. qtz vein, tr. MnO2
			B-16 450-455	.65				spar in variably comminuted qtz rich matrix		abundant specularite-barite vn + qtz-specularite vein
			B-16 455-460	.23					matrix strongly fe-ox	abundant qtz-specularite vn, mod. MnO2
			B-16 460-465	.11					strong silicification + fe-ox in matrix, feldspar	strong qtz. veinlets, mod specularite
			B-16 465-470	.03				microbreccia occurs at clasts in granite breccia	only slightly altered	"
			B-16 470-475	.03				matrix comprises 60%		" wk specularite
			B-16 475-480	.09				matrix " 80%	mod clay coating chips	" strong MnO2, "
			B-16 480-485	<.02				" " 90%		wk qtz-specularite veinlets
			B-16 485-490	<.02					locally strong sericite	tr. barite, wk to mod qtz veinlets
			B-16 490-495	<.02						tr. qtz-specularite veinlet
			B-16 495-500	<.02						"
			B-16 500-505	<.02						mod. qtz-specularite vn
			B-16 505-510	.03				matrix comprises 98%, brown red in color	matrix-mod fe-ox, wk to mod. argillic alt.	mod. MnO2
			B-16 510-515	<.02					rare chlorite between qtz and or feldspar clasts	mod.qtz-specularite vn. wk MnO2
			B-16 515-520	<.02				matrix-40%		strong qtz-specularite vns., mod MnO2
			B-16 520-525	<.02				5% qtz-ser & chl schist chips		mod qtz-specularite veinlets, mod MnO2
			B-16 525-530	<.02					strong sericite	"
			B-16 530-535	<.02						"
			B-16 535-540	<.02				98% matrix		mod qtz-specularite veinlets
			EOH							

(1) ASSAYS by U.S. BORAX RESEARCH CORPORATION, ANAHEIM, CA.

CORN & AHERN

HOLE NO. B-18 PROSPECT Bouse COUNTY La Paz STATE Arizona

CLAIM Lap #4 SECTION SW/SE 12 T. 7N R. 18W COLLAR COORDS.

ELEVATION 975 HOLE SIZE 5¼" CORE SIZE Rev. Circ.-Air. HOLE ANGLE Vertical

SPUDDED 2/18/86 COMPLETED 2/18/86 DRILLER Stevens & Harris LOGGED BY M. Dennis

TOTAL DEPTH 600' Talbot

DRILL HOLE DESCRIPTIVE LOG

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
0-130	130	Good	B-18 0-10	<.02			Alluvium	Mixed chips of volcanic seds., granitic and gneis-		
			B-18 10-20	<.02				sic rocks weakly cemented locally by caliche		
			B-18 20-30	<.02						
			B-18 30-40	<.02						
			B-18 40-50	<.02						
			B-18 50-60	<.02						
			B-18 60-70	<.02						
			B-18 70-80	<.02						
			B-18 80-90	<.02						
			B-18 90-100	<.02						
			B-18 100-110	<.02						
			B-18 110-120	<.02						
			B-18 120-130	<.02						
130-355	225	Good	B-18 130-140	<.02			Siltstone	brown to red, well to poorly sorted, a tr. of	wk to mod fe-ox, abundant sericite as primary compo	wk MnO2
			B-18 140-150	<.02				siltstone breccia chips, abundant red clay coating	nent wk pervasive argillic alt.	
			B-18 150-160	<.02				chips	mod. to strong pervasive argillic alt.	tr. MnO2
			B-18 160-170	<.02				red, well sorted, a few brown poorly sorted chips	strong pervasive argillic alt.	tr. MnO2, tr. qtz veinlets
			B-18 170-180	<.02						mod. specularite
			B-18 180-190	<.02						strong MnO2, wk specularite
			B-18 190-200	<.02						Strong MnO2 , tr.specularite
			B-18 200-210	<.02						mod. MnO2
			B-18 210-220	<.02				10% pale pink qtz-feldspar siltstone	feldspars strongly alt. to clay	tr. specularite tr. MnO2
			B-18 220-230	<.02				1% " "		Tr. qtz vein, mod MnO2, tr. specularite
			B-18 230-240	.03				15% " "		wk MnO2
			B-18 240-250	<.02				15% " "		tr. specularite + MnO2

(1) ASSAYS by U.S. BORAX RESEARCH CORPORATION, ANAHEIM, CA.

CORN & AHERN

HOLE NO. B-18 PROSPECT Bouse COUNTY La Paz STATE Arizona

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
			B-18 250-260	<.02				30% white to pale pink qtz-feldspar siltstone	abundant white to pink clay coating chips strong	wk MnO2
			B-18 260-270	<.02				Mix of white, grey, pink and red siltstones w/2-3% silicic felsic tuff	argillic alt. of feldspar	tr. MnO2
			B-18 270-280	<.02						tr. MnO2 wk specularite
			B-18 280-290	.05				surface of chips has rough look seen in granite breccia		wk qtz-specularite vein
			B-18 290-300	<.02						mod. MnO2
			B-18 300-305	<.02						tr. qtz vein, wk MnO2
			B-18 305-310	<.02						tr. barite, wk MnO2 tr. qtz-specularite vn
			B-18 310-315	.05						tr. qtz-specularite vn
		Poor	B-18 315-320	<.02				sample almost all clay	intense argillic alt. throughout sample	tr. qtz-specularite vn
		Poor	B-18 320-325	<.02				"	"	
		Good	B-18 325-330	.05					"	
			B-18 330-335	.03				bright red, 2-3% arkosic breccia chips	strong fe-ox "	tr. qtz vn
			B-18 335-340	<.02				a few rounded sand size qtz + feldspar grains in	"	tr. MnO2
			B-18 340-345	.11				silty matrix	"	mod. MnO2 tr-qtz-specularite vn
			B-18 345-350	.06				30% arkosic breccia, rounded to subangular	"	mod. MnO2
			B-18 350-355	.03				feldspar in clayey silt matrix; tr. arkosic breccia		tr. SiO2 wk MnO2
355-400	45	Good	B-18 355-360	.12			Arkose breccia	angular to subrounded feldspar - qtz in silty matrix	strong argillic alt. of both feldspars & matrix	wk MnO2
			B-18 360-365	.14			40% siltstone			tr. MnO2
			B-18 365-370	.06			"			tr. qtz vein
			B-18 370-375	.11			20% siltstone			wk qtz vein
			B-18 375-380	1.28			"			tr. MnO2
			B-18 380-385	.34			40% siltstone			mod. qtz-specularite vein wk MnO2
			B-18 385-390	.03						wk qtz-specularite vn wk MnO2
			B-18 390-395	<.02				abundant angular qtz clasts, ghosts of alt.		tr. qtz veinlet wk MnO2
			B-18 395-400	<.02				feldspar in some chips		mod MnO2
400-430	30	Good	B-18 400-405	.03			Siltstone	brown to red-brown, mod sorted, tr. white qtz feld siltstone	weakly silicified + fe-stained	wk MnO2
			B-18 405-410	.03						wk MnO2
			B-18 410-415	<.02						tr. specularite

(1) ASSAYS by U.S. BORAX RESEARCH CORPORATION, ANAHEIM, CA.

CORN & AHERN

HOLE NO. B-18 PROSPECT Bouse COUNTY La Paz STATE Arizona PAGE 3 OF 4

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg	ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
		Fair	B-18 415-420	<.02		Siltstone	abundant clay balls	intense argillic alt.	tr. druzy qtz.
			B-18 420-425	<.02					wk MnO2
			B-18 425-430	<.02					tr. qtz-specularite vein wk MnO2
430-600	170	Good	B-18 430-435	<.02		Granite breccia	Angular qtz ± feld. in fe stained variably co-	Feldspars variably alt. to clay, matrix strongly	wk MnO2 tr. qtz-specularite vein
			B-18 435-440	<.02			mminuted matrix, abun- dant sericite schist	alt. to fe-ox + sericite	mod. qtz-specularite vn wk to mod MnO2
			B-18 440-445	<.02			chips finer grained		"
			B-18 445-450	<.02				local silicification	mod MnO2 mod qtz-specularite vn
			B-18 450-455	<.02			clasts up to 1/8" dia.	very strong sericite in matrix, locally strong	tr. drusy qtz
			B-18 455-460	<.02			"	silicification	mod. specularite tr. qtz - barite(?) vein
			B-18 460-465	<.02			"		tr. qtz-specularite, wk MnO2, mod. barite
			B-18 465-470	<.02					tr. MnO2
			B-18 470-475	<.02				spotty chlorite	wk diss. specularite
			B-18 475-480	<.02					wk MnO2, wk qtz vn
			B-18 480-485	<.02			abundant qtz.	spotty chlorite	
			B-18 485-490	<.02				abundant sericite	
			B-18 490-495	<.02					tr. qtz vein
			B-18 495-500	.03			abund. clay; chips mostly of fe-stained sericitic	mod. chlorite, strong sericite	tr. qtz vein(?)
			B-18 500-505	<.02			siltstone 10% coarse breccia chips	"	wk specularite
			B-18 505-510	<.02			95% coarse breccia chips	"	
			B-18 510-515	<.02			mod. clay	tr. chlorite, "	tr. specularite
			B-18 515-520	<.02				mod. chlorite "	tr. MnO2
			B-18 520-525	<.02				"	
			B-18 525-530	<.02			100% coarse breccia	spotty chlorite, strong sericite + fe-ox in ma-	wk qtz-specularite vn
			B-18 530-535	<.02			a few microbreccia clasts in coarse breccia	trix "	"
			B-18 535-540	<.02				spotty strong chlorite	
			B-18 540-545	<.02					tr. qtz-specularite vein
			B-18 545-550	<.02					
			B-18 550-555	<.02				tr. FeMn Silicate	tr. qtz vein

(1) ASSAYS by U.S. BORAX RESEARCH CORPORATION, ANAHEIM, CA.

CORN & AHERN

HOLE NO. B-18 PROSPECT Bouse COUNTY La Paz STATE Arizona PAGE 4 OF 4

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
		Good	B-18 555-560	<.02			Granite breccia		mod. pervasive chlorite, strong fe-ox + sericite	tr. qtz vein
			B-18 560-565	<.02						tr. qtz vein
			B-18 565-570	<.02					very strong fe-ox, sericite + locally chlorite	mod. qtz vein
			B-18 570-575	<.02				abundant qtz, may be, in part, vein	"	"
			B-18 575-580	<.02				"	"	
			B-18 580-585	<.02				70% qtz chips	strong sericite + chlorite	tr. MnO2
			B-18 585-590	<.02				40% qtz chips	" mod. fe-ox	tr. specularite
			B-18 590-595	<.02					strong sericite, spotty wk chlorite	tr. MnO2
			B-18 595-600	<.02				60% qtz chips		tr. specularite
			E.O.H.							

(1) ASSAYS by U.S. BORAX RESEARCH CORPORATION, ANAHEIM, CA.

CORN & AHERN

HOLE NO. B-1 PROSPECT Bouse S. Smith SE/NW/NW COUNTY La Paz STATE Arizona

CLAIM Pat.Claim SECTION 18 T. 7N R. 17W COLLAR COORDS.

ELEVATION 995' HOLE SIZE 5 3/8 CORE SIZE Air Hammer HOLE ANGLE Vertical

SPUDDED 11/26/84 COMPLETED 11/27/84 DRILLER B. Talbot Stevens & Harris LOGGED BY R. Corn

TOTAL DEPTH 640

DRILL HOLE ASSAY LOG

HOLE DEPTH	INTERVAL	SAMPLE NUMBER	Au [2]	Ag [2]	As [2]	Sb [2]	Cu [2]	Mo [2]	Pb [2]	Zn [2]	Hg [1]	W [2]	F [1]	Acid Sol. Ba [1]	Total Ba % [1]	U [1]		GEOLOGY
0- 30	30	B-1 0- 30	0.09	0.8	< 2	< 2	788	9	19	48	0.08	5						Volcanic Breccia and Conglomerate
30- 70	40	B-1 30- 70	.20	1.0	< 2	< 2	514	< 5	22	54	0.08	5						
70-130	60	B-1 70-130	<.02	0.7	< 2	< 2	547	< 5	19	28	0.08	4						
130-180	50	B-1 130-180	<.02	0.7	< 2	< 2	46	< 5	19	23	0.11	4						
180-240	60	B-1 180-240	<.02	0.5	9	< 2	115	< 5	22	18	0.11	3						
240-320	80	B-1 240-320	<.02	1.2	< 2	< 2	37	< 5	24	48	0.08	4						Sandstone and Mudstone
320-350	30	B-1 320-350	<.02	1.2	< 2	< 2	63	< 5	29	39	0.16	3						Breccia and Arkose
350-390	40	B-1 350-390	<.02	1.7	34	< 2	118	13	36	16	0.13	4						Arkose and Conglomerate
390-450	60	B-1 390-450	<.02	0.2	< 2	< 2	16	< 5	22	11	0.11	3						Quartz Latite Porphyry
450-500	50	B-1 450-500	<.02	0.2	< 2	< 2	14	< 5	17	8	0.13	2						
500-550	50	B-1 500-550	<.02	< 0.2	< 2	< 2	15	< 5	14	5	0.08	3						
550-600	50	B-1 550-600	<.02	0.2	< 2	< 2	15	< 5	14	6	0.11	2						
600-640	40	B-1 600-640	<.02	0.2	< 2	< 2	13	< 5	14	6	0.11	3						
640 is TD																		

ALL VALUES IN PPM UNLESS OTHERWISE INDICATED.

ASSAYS BY
1. COPPER STATE ANALYTICAL, TUCSON.
2. U.S. BORAX RESEARCH CENTER, ANAHEIM.

CORN & AHERN

HOLE NO. B-2 PROSPECT Bouse COUNTY La Paz STATE Arizona

S. Smith NE/NW/NW

CLAIM Pat. Claim SECTION 18 T. 7N R. 17W COLLAR COORDS.

ELEVATION 990' HOLE SIZE 5 3/8 CORE SIZE Air Hammer HOLE ANGLE Vertical

SPUDDED 11/27/84 COMPLETED 11/28/84 DRILLER B. Talbot LOGGED BY R. Corn

Stevens & Harris

TOTAL DEPTH 500'

DRILL HOLE ASSAY LOG

HOLE DEPTH	INTERVAL	SAMPLE NUMBER	Au ₂	Ag ₂	As ₂	Sb ₂	Cu ₂	Mo ₂	Pb ₂	Zn ₂	Hg ₁	W ₂	F ₁	Acid Sol. Ba ₁	Total Ba % ₁	U ₁		GEOLOGY
0- 30	30	B-2 0- 30	<.02	1.2	4	<2	252	<5	22	29	0.11	6						Brecciated Mudstone, Arkose and Conglomerate
30- 70	40	B-2 30- 70	<.02	0.2	4	<2	70	<5	14	17	0.11	3						
70-120	50	B-2 70-120	<.02	0.2	2	<2	185	<5	17	16	0.08	3						
120-150	30	B-2 120-150	<.02	0.7	29	<2	343	8	26	39	0.11	4						
150-190	40	B-2 150-190	<.02	0.7	<2	<2	485	<5	24	69	0.08	3						
190-240	50	B-2 190-240	<.02	0.7	<2	<2	156	<5	29	64	0.11	4						
240-300	60	B-2 240-300	0.11	1.4	3	<2	316	6	24	46	0.13	5						
300-340	40	B-2 300-340	0.09	1.2	22	<2	900	34	26	38	0.11	12						
340-390	50	B-2 340-390	0.03	1.2	15	<2	573	24	22	30	0.11	9						
390-450	60	B-2 390-450	<.02	0.7	<5	<2	173	<2	17	18	0.08	3						Latite and Quartz Latite
450-500	50	B-2 450-500	<.02	0.7	<5	<2	827	<2	14	24	0.08	3						
500 is TD																		

ALL VALUES IN PPM UNLESS OTHERWISE INDICATED.

ASSAYS BY
1. COPPER STATE ANALYTICAL, TUCSON.
2. U.S. BORAX RESEARCH CENTER, ANAHEIM.

CORN & AHERN

HOLE NO. B-3 PROSPECT Bouse COUNTY La Paz STATE Arizona

CLAIM Pat. Claim SECTION 7 T. 7N R. 17W COLLAR COORDS. S. Smith SW/SW/SW

ELEVATION 970' HOLE SIZE 5 3/8 CORE SIZE _____ HOLE ANGLE Vertical

SPUDDED 11/28/84 COMPLETED 11/29/84 DRILLER B. Talbot Stevens & Harris LOGGED BY R. Corn

TOTAL DEPTH 420

DRILL HOLE ASSAY LOG

HOLE DEPTH	INTERVAL	SAMPLE NUMBER	Au ₂	Ag ₂	As ₂	Sb ₂	Cu ₂	Mo ₂	Pb ₂	Zn ₂	Hg ₁	W ₂	F ₁	Acid Sol. Ba ₁	Total Ba % ₁	U ₁		GEOLOGY
0- 50	50	B-3 0- 50	<.02	0.5	7	<2	111	<5	14	24	0.05	3						Brecciated Arkose, conglomerate and Quartz Latite
50-100	50	B-3 50-100	<.02	0.5	2	<2	32	<5	17	16	0.11	4						
100-160	60	B-3 100-160	<.02	0.5	2	<2	130	6	19	30	0.08	3						
160-220	60	B-3 160-220	<.02	1.4	<2	<2	1080	<5	26	74	<.05	5						Brecciated Arkose
220-270	50	B-3 220-270	0.06	1.0	11	<2	1530	14	46	49	<.05	6						
270-300	30	B-3 270-300	<.02	0.7	5	<2	166	16	22	32	0.08	7						Breccia-Arkose, Mudstone and Latite porphyry
300-360	60	B-3 300-360	<.02	0.7	<2	<2	148	<5	22	27	0.08	3						Latite Porphyry
360-420	60	B-3 360-420	<.02	0.5	<2	<2	102	<5	17	25	0.08	3						
420 is TD																		

ALL VALUES IN PPM UNLESS OTHERWISE INDICATED.

ASSAYS BY
1. COPPER STATE ANALYTICAL, TUCSON.
2. U.S. BORAX RESEARCH CENTER, ANAHEIM.

CORN & AHERN

HOLE NO. B-4 PROSPECT Bouse COUNTY La Paz STATE Arizona

CLAIM LAP 190 SECTION 12 SE/SE T. 7N R. 17W COLLAR COORDS.

ELEVATION 970 HOLE SIZE 5 3/8 CORE SIZE Air Hammer HOLE ANGLE Vertical

SPUDDED 11/29/84 COMPLETED 11/29/84 DRILLER B. Talbot LOGGED BY R. Corn
Stevens & Harris

TOTAL DEPTH 400'

DRILL HOLE ASSAY LOG

HOLE DEPTH	INTERVAL	SAMPLE NUMBER	Au ppm [2]	Ag ppm [2]	As ppm [2]	Sb ppm [2]	Cu ppm [2]	Mo ppm [2]	Pb ppm [2]	Zn ppm [2]	Hg ppm [1]	W ppm [2]	F ppm [1]	Acid Sol. Ba [1]	Total Ba % [1]	U ppm [1]		GEOLOGY
																		0-10 Alluvium
0- 60	60	B-4 0- 60	<.02	1.0	11	<2	210	<5	24	47	0.05	7						10-60 Fanglomerate
60-120	60	B-4 60-120	<.02	1.2	7	<2	168	<5	29	137	0.05	3						Andesite and Andesite Mudstone
120-160	40	B-4 120-160	<.02	1.2	<2	<2	148	<5	29	91	0.05	3						Andesite
160-200	40	B-4 160-200	<.02	1.2	<2	<2	418	<5	29	82	<0.05	3						
200-250	50	B-4 200-250	<.02	1.1	3	<2	168	<5	24	60	0.10	3						Intense Siderite Alteration Abundant Specularite, quartz specularite and vuggy quartz Veinlets
250-300	50	B-4 250-300	<.02	1.1	10	<2	179	<5	26	57	0.11	2						
300-370	70	B-4 300-370	<.02	1.0	4	<2	112	<5	26	57	0.06	3						Andesite
370-400	30	B-4 370-400	<.02	1.0	2	<2	354	<5	26	63	0.08	3						Clay-Siderite-Calcite Alteration
400 is TD																		

ALL VALUES IN PPM UNLESS OTHERWISE INDICATED.

ASSAYS BY
1. COPPER STATE ANALYTICAL, TUCSON.
2. U.S. BORAX RESEARCH CENTER, ANAHEIM.

CORN & AHERN

HOLE NO. B-5 PROSPECT Bouse COUNTY La Paz STATE Arizona

CLAIM LAP 2 SECTION 13 T. 7N R. 18W SE/NE COLLAR COORDS.

ELEVATION 1030 HOLE SIZE 5 3/8 CORE SIZE Air Hammer HOLE ANGLE Vertical

SPUDDED 11/30/84 COMPLETED 11/30/84 DRILLER B. Talbot Stevens & Harris LOGGED BY R. Corn

TOTAL DEPTH 420'

DRILL HOLE ASSAY LOG

HOLE DEPTH	INTERVAL	SAMPLE NUMBER	Au [2]	Ag [2]	As [2]	Sb [2]	Cu [2]	Mo [2]	Pb [2]	Zn [2]	Hg [1]	W [2]	F [1]	Acid Sol. Ba [1]	Total Ba % [1]	U [1]		GEOLOGY
0- 40	40	B-5 0- 40	<.02	<0.2	5	<2	189	<5	22	39	0.08	10						Fanglomerate Breccia-Granite
40-100	60	B-5 40-100	<.02	0.2	<2	<2	443	<5	26	86	<0.05	5						Fanglomerate Breccia Schist
100-150	50	B-5 100-150	0.03	0.2	<2	<2	146	<5	22	59	<0.05	6						
150-210	60	B-5 150-210	<.02	0.7	2	<2	179	6	29	81	<0.05	8						150-170-Mixed Breccia Schist and andesite 170-TD Andesite
210-260	50	B-5 210-260	<.02	0.7	<2	<2	81	<5	29	65	<0.05	<1						
260-320	60	B-5 260-320	<.02	0.7	2	<2	56	<5	31	69	<0.05	1						
320-380	60	B-5 320-380	<.02	0.7	<2	<2	21	<5	31	121	<0.05	1						
380-420	40	B-5 380-420	<.02	<0.2	8	2	12	<5	34	59	0.18	3						
420 is TD																		

ALL VALUES IN PPM UNLESS OTHERWISE INDICATED.

ASSAYS BY
1. COPPER STATE ANALYTICAL, TUCSON.
2. U.S. BORAX RESEARCH CENTER, ANAHEIM.

CORN & AHERN

HOLE NO. B-6 PROSPECT Bouse COUNTY La Paz STATE Arizona

CLAIM LAP #28 SECTION 12 NE/SE T. 7N R. 18W COLLAR COORDS.

ELEVATION 950 HOLE SIZE 5 3/8 CORE SIZE Air Hammer HOLE ANGLE Vertical

SPUDDED 11/30/84 COMPLETED 12/1/84 DRILLER B. Talbot Stevens & Harris LOGGED BY R. Corn

TOTAL DEPTH 260'

DRILL HOLE ASSAY LOG

HOLE DEPTH	INTERVAL	SAMPLE NUMBER	Au [2]	Ag [2]	As [2]	Sb [2]	Cu [2]	Mo [2]	Pb [2]	Zn [2]	Hg [1]	W [2]	F [1]	Acid Sol. Ba [1]	Total Ba % [1]	U [1]		GEOLOGY
0- 60	60	B-6A 0-60	<.02	<0.2	6	<2	84	<5	22	24	0.11	4						Siltstone
50-100	50	B-6 50-100	<.02	<0.2	<2	<2	76	<5	19	18	0.08	2						
100-150	50	B-6 100-150	<.02	<0.2	<2	<2	40	<5	17	20	0.11	2						
150-200	50	B-6 150-200	<.02	<0.2	<2	<2	43	<5	17	19	0.13	3						
200-260	60	B-6 200-260	<.02	<0.2	<2	<2	49	<5	19	18	0.08	2						
260 is TD		HOLE ABANDONED--LOST CIRCULATION																

ALL VALUES IN PPM UNLESS OTHERWISE INDICATED.

ASSAYS BY
1. COPPER STATE ANALYTICAL, TUCSON.
2. U.S. BORAX RESEARCH CENTER, ANAHEIM.

CORN & AHERN

HOLE NO. B-7 PROSPECT Bouse COUNTY La Paz STATE Arizona

CLAIM LAP 67 SECTION SW/NE 13 T. 7N R. 18W COLLAR COORDS.

ELEVATION 1020' HOLE SIZE 5 3/8 CORE SIZE HOLE ANGLE Vertical

SPUDDED 12/1/84 COMPLETED 12/1/84 DRILLER B. Talbot LOGGED BY R. Corn

TOTAL DEPTH 580

DRILL HOLE ASSAY LOG

HOLE DEPTH	INTERVAL	SAMPLE NUMBER	Au [2]	Ag [2]	As [2]	Sb [2]	Cu [2]	Mo [2]	Pb [2]	Zn [2]	Hg [1]	W [2]	F [1]	Acid Sol. Ba [1]	Total Ba % [1]	U [1]		GEOLOGY
0- 50	50	B-7 0- 50	<.02	<0.2	48	<2	38	<5	29	27	0.13	2						Arkose and Conglomerate
50-100	50	B-7 50-100	<.02	1.0	9	<2	52	<5	26	36	0.05	3						Siltstone
100-140	40	B-7 100-140	<.02	1.2	<2	<2	166	<5	22	48	0.08	4						Brecciated Arkose and mudstone. Intense siderite alteration
140-200	60	B-7 140-200	<.02	0.5	<2	<2	10	<5	17	29	0.08	2						Volcanic Breccia and conglomerate
200-250	50	B-7 200-250	<.02	0.5	<2	<2	20	<5	17	27	0.05	2						
250-300	50	B-7 250-300	<.02	0.5	<2	<2	<5	<5	12	18	0.11	2						
300-330	30	B-7 300-330	<.02	0.2	<2	<2	16	<5	12	15	0.08	3						Latite Porphyry
330-380	50	B-7 330-380	<.02	0.5	<2	<2	10	<5	17	10	0.11	5						Quartzite
380-410	30	B-7 380-410	<.02	0.2	<2	<2	<5	<5	14	12	0.11	4						Conglomerate or Breccia
410-460	50	B-7 410-460	<.02	0.5	<2	<2	<5	<5	14	9	0.11	3						Quartzite
460-500	40	B-7 460-500	<.02	0.2	<2	<2	8	<5	14	16	0.16	3						Latite Breccia
500-550	50	B-7 500-550	<.02	<0.2	<2	<2	39	<5	12	9	0.11	5						Quartz Latite Porphyry
550-580	30	B-7 550-580	<.02	0.2	<2	<2	69	<5	14	16	0.11	4						
580 is TD																		

ALL VALUES IN PPM UNLESS OTHERWISE INDICATED.

ASSAYS BY
1. COPPER STATE ANALYTICAL, TUCSON.
2. U.S. BORAX RESEARCH CENTER, ANAHEIM.

CORN & AHERN

HOLE NO. B-8 PROSPECT Bouse COUNTY La Paz STATE Arizona

CLAIM LAP 61 SECTION 13 NE/SE T. 7N R. 18W COLLAR COORDS.

ELEVATION 1040' HOLE SIZE 5 3/8 CORE SIZE HOLE ANGLE Vertical

SPUDDED 12/2/84 COMPLETED 12/2/84 DRILLER B. Talbot Stevens & Harris LOGGED BY R. Corn

TOTAL DEPTH 420'

DRILL HOLE ASSAY LOG

HOLE DEPTH	INTERVAL	SAMPLE NUMBER	Au [2]	Ag [2]	As [2]	Sb [2]	Cu [2]	Mo [2]	Pb [2]	Zn [2]	Hg [1]	W [2]	F [1]	Acid Sol. Ba [1]	Total Ba % [1]	U [1]		GEOLOGY
0- 50	50	B-8 0- 50	<.02	0.5	11	<2	<5	<5	17	12	0.11	2						Arkose and Quartz Latite Porphyry
50- 90	40	B-8 50- 90	<.02	0.2	<2	<2	<5	<5	12	12	0.08	3						Quartz Latite Porphyry
90-130	40	B-8 90-130	<.02	0.2	3	<2	<5	<5	17	12	0.08	4						Quartz Latite Porphyry Tuff and Arkose, Quartzite
130-180	50	B-8 130-180	<.02	0.7	<2	<2	28	<5	26	43	0.14	3						130' Fault Arkose
180-250	70	B-8 180-250	<.02	1.0	<2	<2	22	<5	31	39	0.11	3						
250-300	50	B-8 250-300	<.02	0.7	2	<2	.33	<5	24	22	0.08	3						
300-330	30	B-8 300-330	<.02	0.7	2	<2	28	<5	20	15	0.09	4						
330-360	30	B-8 330-360	<.02	2.3	4	<2	48	<5	54	18	0.06	3						
360-420	60	B-8 360-420	<.02	0.7	<2	<2	26	<5	17	22	0.08	6						Fault-360-370 Breccia Granite
420 is TD																		

ALL VALUES IN PPM UNLESS OTHERWISE INDICATED.

ASSAYS BY
1. COPPER STATE ANALYTICAL, TUCSON.
2. U.S. BORAX RESEARCH CENTER, ANAHEIM.

CORN & AHERN

HOLE NO. B-9 PROSPECT Bouse COUNTY La Paz STATE Arizona

CLAIM LAP 6 SECTION NW/NE 13 T. 7N R. 18W COLLAR COORDS.

ELEVATION 990' HOLE SIZE 5 3/8 CORE SIZE Air/rotary HOLE ANGLE Vertical

SPUDDED 12/1/84 COMPLETED 12/2/84 DRILLER B. Talbot Stevens & Harris LOGGED BY R. Corn

TOTAL DEPTH 460'

DRILL HOLE ASSAY LOG

HOLE DEPTH	INTERVAL	SAMPLE NUMBER	Au ppm [2]	Ag ppm [2]	As ppm [2]	Sb ppm [2]	Cu ppm [2]	Mo ppm [2]	Pb ppm [2]	Zn ppm [2]	Hg ppm [1]	W ppm [2]	F ppm [1]	Acid Sol. Ba [1]	Total Ba % [1]	U ppm [1]		GEOLOGY
0- 60	60	B-9 0- 60	<.02	0.7	2	<2	83	<5	19	23	0.08	13						Alluvium
60-110	50	B-9 60-110	<.02	1.0	11	<2	186	5	26	62	0.13	4						Fanglomerate Breccia
																		----------Fault----------
110-140	30	B-9 110-140	<.02	0.7	7	<2	68	5	14	28	0.16	3						Latite Porphyry
140-180	40	B-9 140-180	<.02	0.7	<2	<2	15	<5	17	29	0.18	2						
180-250	70	B-9 180-250	<.02	0.5	<2	<2	10	<5	17	19	0.13	2						Latite-Quartz Latite Breccia
250-300	50	B-9 250-300	<.02	0.2	<2	<2	10	<5	17	23	0.11	2						
300-340	40	B-9 300-340	<.02	0.2	<2	<2	11	<5	17	22	0.18	2						
340-370	30	B-9 340-370	<.02	0.5	<2	<2	7	<5	19	27	0.16	2						
																		----------Fault----------
370-440	70	B-9 370-440	<.02	0.5	2	<2	15	6	14	22	0.13	3						Latite Porphyry
																		----------
440-460	20	B-9 440-460	<.02	1.0	<2	<2	317	<5	29	64	0.13	6						Breccia Brecciated Andesite
460 is TD																		

ALL VALUES IN PPM UNLESS OTHERWISE INDICATED.

ASSAYS BY
1. COPPER STATE ANALYTICAL, TUCSON.
2. U.S. BORAX RESEARCH CENTER, ANAHEIM.

CA CORN & AHERN

HOLE NO. B-10 PROSPECT Bouse COUNTY La Paz STATE Arizona

CLAIM LAP 31 SECTION 12 NW/SE/NE T. 7N R. 18W COLLAR COORDS.

ELEVATION 920' HOLE SIZE 5 3/8 CORE SIZE Air/Rotary HOLE ANGLE Vertical

SPUDDED 12/3/84 COMPLETED 12/4/84 DRILLER B. Talbot LOGGED BY R. Corn
Stevens and Harris

TOTAL DEPTH 460'

DRILL HOLE ASSAY LOG

HOLE DEPTH	INTERVAL	SAMPLE NUMBER	Au ppm [2]	Ag ppm [2]	As ppm [2]	Sb ppm [2]	Cu ppm [2]	Mo ppm [2]	Pb ppm [2]	Zn ppm [2]	Hg ppm [1]	W ppm [2]	F ppm [1]	Acid Sol. Ba [1]	Total Ba % [1]	U ppm [1]		GEOLOGY
0- 30	30	B10 0- 30	<.02	0.5	8	<2	76	6	22	26	0.13	15						Alluvium
30- 80	50	B10 30- 80	<.02	0.7	10	<2	45	<5	17	25	0.16	3						
80-130	50	B10 80-130	<.02	0.7	7	<2	8	<5	19	21	0.16	3						Arkose
130-190	60	B10 130-190	<.02	1.0	15	<2	279	9	22	28	0.16	5						
190-270	80	B10 190-270	<.02	0.5	22	<2	159	11	17	30	0.11	6						Panglomerate? Breccia
270-320	50	B10 270-320	<.02	0.2	30	<2	113	18	14	22	0.11	6						
320-360	40	B10 320-360	<.02	0.5	19	<2	60	17	12	18	0.08	6						Granite Gneiss Brecaia
360-410	50	B10 360-410	<.02	1.0	21	<2	66	11	19	39	0.11	7						Greccia
410-460	50	B10 410-460	<.02	1.2	24	<2	491	7	24	78	<.05	7						
460 is TD																		TD

ALL VALUES IN PPM UNLESS OTHERWISE INDICATED.

ASSAYS BY
1. COPPER STATE ANALYTICAL, TUCSON.
2. U.S. BORAX RESEARCH CENTER, ANAHEIM.

CORN & AHERN

HOLE NO. B-11 PROSPECT Bouse COUNTY La Paz STATE Arizona

CLAIM LAP #34 SECTION 12 NW/SE T. 7N R. 18W COLLAR COORDS.

ELEVATION 950 HOLE SIZE 5 3/8 CORE SIZE Air Rotary HOLE ANGLE Vertical

SPUDDED 12/4/84 COMPLETED 12/4/84 DRILLER B. Talbot LOGGED BY R. Corn

TOTAL DEPTH 530'

DRILL HOLE ASSAY LOG

HOLE DEPTH	INTERVAL	SAMPLE NUMBER	Au. 2	Ag 2	As 2	Sb 2	Cu 2	Mo 2	Pb 2	Zn 2	Hg 1	W 2	F 1	Acid Sol. Ba 1	Total Ba % 1	U 1		GEOLOGY
0- 50	50	B11 0- 50	<.02	1.0	9	<2	145	5	22	32	<0.05	6						Alluvium
50-110	60	B11 50-110	<.02	1.0	22	<2	206	7	24	43	<0.05	7						
110-160	50	B11 110-160	<.02	1.0	78	<2	765	33	24	101	0.08	15						
160-200	40	B11 160-200	<.02	1.2	84	<2	703	28	22	87	0.06	21						Arkose ?
200-230	30	B11 200-230	<.02	1.0	86	<2	766	39	19	86	0.08	17						
230-260	30	B11 230-260	<.02	1.0	423	<2	847	137	58	138	0.08	27						
260-300	40	B11 260-300	<.02	1.0	129	<2	387	40	29	92	0.08	9						
300-340	40	B11 300-340	<.02	1.0	127	<2	111	30	46	101	0.06	8						
340-380	40	B11 340-380	<.02	1.2	149	<2	178	25	84	199	0.06	18						
380-410	30	B11 380-410	0.56	0.7	51	<2	80	10	48	117	0.06	36						Arkose-? Breccia
410-460	50	B11 410-460	0.12	1.0	38	<2	82	10	65	211	0.06	29						Quartz Latite Porphyry Porphyry and Arkose
460-490	30	B11 460-490	.03	0.5	33	<2	60	8	55	108	0.06	16						
490-530	40	B11 490-530	<.02	0.7	47	<2	48	11	55	129	<0.05	7						Brecciated Arkose
530 is TD																		TD

ALL VALUES IN PPM UNLESS OTHERWISE INDICATED.

ASSAYS BY
1. COPPER STATE ANALYTICAL, TUCSON.
2. U.S. BORAX RESEARCH CENTER, ANAHEIM.

CORN & AHERN

HOLE NO. B-12 PROSPECT Bouse COUNTY La Paz STATE Arizona

CLAIM Pat. Claim SECTION 18 T. 7N R. 17W COLLAR COORDS. S. Smith NW/NW

ELEVATION 1010 HOLE SIZE 5 3/8 CORE SIZE Air/Rotary HOLE ANGLE Vertical

SPUDDED 12/5/84 COMPLETED 12/5/84 DRILLER B. Talbot Stevens and Harris LOGGED BY R. Corn

TOTAL DEPTH 560'

DRILL HOLE ASSAY LOG

HOLE DEPTH	INTERVAL	SAMPLE NUMBER	Au [2]	Ag [2]	As [2]	Sb [2]	Cu [2]	Mo [2]	Pb [2]	Zn [2]	Hg [1]	W [2]	F [1]	Acid Sol. Ba [1]	Total Ba % [1]	U [1]		GEOLOGY
0- 50	50	B12 0- 50	<.02	1.0	5	<2	189	<5	24	42	<.05	23						Fanglomerate Breccia Brecciated Arkose or Andesitic S.S.
50-100	50	B12 50-100	<.02	0.2	<2	<2	232	<5	29	38	<.05	12						Andesite
100-150	50	B12 100-150	<.02	<0.2	<2	<2	141	<5	30	46	<.05	7						
150-200	50	B12 150-200	<.02	0.2	<2	<2	94	<5	22	24	0.06	4						Latite-Latite Porphyry
200-240	40	B12 200-240	<.02	0.2	<2	<2	47	<5	24	25	<0.05	3						
240-280	40	B12 240-280	<.02	<0.2	<2	<2	68	<5	24	33	0.06	4						
280-320	40	B12 280-320	<.02	0.2	<2	<2	246	<5	31	56	0.06	5						Fanglomerate Breccia with Schist Frags
320-360	40	B12 320-360	<.02	<0.2	<2	<2	303	<5	24	28	0.06	5						Sandstone and Mudstone
																		Fault
360-400	40	B12 360-400	<.02	0.2	7	<2	46	16	29	12	0.06	4						Arkose and Granite Breccia
400-450	50	B12 400-450	<.02	<0.2	<2	<2	31	6	26	7	0.06	8						Marble and Quartzite Some Brecciation
450-480	30	B12 450-480	<.02	0.2	<2	<2	17	<5	31	6	0.08	3						
480-510	30	B12 480-510	<.02	<0.2	<2	<2	12	<5	22	9	<.05	3						Brecciated Quartzite, Talc, and Arkose
510-550	40	B12 510-550	<.02	0.7	7	<2	61	6	43	23	<.05	4						Arkose-? or Sandstone
550-560	10	B12 550-560	<.02	0.2	2	<2	55	<5	34	9	<.05	4						Arkose
560 is TD																		TD

ALL VALUES IN PPM UNLESS OTHERWISE INDICATED.

ASSAYS BY
1. COPPER STATE ANALYTICAL, TUCSON.
2. U.S. BORAX RESEARCH CENTER, ANAHEIM.

CORN & AHERN

HOLE NO. B-13 PROSPECT Bouse COUNTY La Paz STATE Arizona

CLAIM Lap #30 SECTION NE/SE 12 T. 7N R. 18W COLLAR COORDS.

ELEVATION 940 HOLE SIZE 5½" CORE SIZE Rev. Circ. - Air. HOLE ANGLE Vertical

SPUDDED 2/11/86 COMPLETED 2/13/86 DRILLER Stevens Harris Talbot LOGGED BY M. Dennis

TOTAL DEPTH 500

DRILL HOLE ASSAY LOG

HOLE DEPTH	INTERVAL	SAMPLE NUMBER	Au ₂	Ag ₂	As ₂	Sb ₂	Cu ₂	Mo ₂	Pb ₂	Zn ₂	Hg ₁	W ₂	F ₁	Acid Sol. Ba ₁	Total Ba % ₁	U ₁		GEOLOGY
0-40	40	Individ. Samples only																Alluvium.
40-120	80	B-13 40-120	<.02	.8	10	<2	80	<5	36	35	<.05	2						Siltstone.
120-210	90	B-13 120-210	<.02	1.2	25	<2	371	8	38	80	<.05	5						Brecciated Tuffaceous Siltstone
210-275	65'	B-13 210-275	<.02	.7	20	<2	24	22	43	32	<.05	7						Breccia - Mixed Siltstone, Arkose and latite.
275-370	95	B-13 275-370	<.02	1.0	139	5	102	22	94	123	.07	8						Breccia - siltstone. Hematitic limonite, qtz-specularite-barite-barite.
370-440	70	B-13 370-440	<.02	.7	93	5	55	13	132	125	<.05	7						Brecciated granite
440-500	60	B-13 440-500	<.02	.7	94	8	54	13	144	132	<.05	8						Brecciated siltstone and granite. Minor MnOx.
500 is the End of Hole.																		

ALL VALUES IN PPM UNLESS OTHERWISE INDICATED.

ASSAYS BY
1. COPPER STATE ANALYTICAL, TUCSON.
2. U.S. BORAX RESEARCH CENTER, ANAHEIM.

CORN & AHERN

HOLE NO. B-14 PROSPECT Bouse COUNTY La Paz STATE Arizona

CLAIM Lap #32 SECTION NW/SE 12 T. 2N R. 18W COLLAR COORDS.

ELEVATION 930 HOLE SIZE 5½" CORE SIZE Rev. Circ.- Air. HOLE ANGLE Vertical

SPUDDED 2/14/86 COMPLETED 2/15/86 DRILLER Stevens Harris Talbot LOGGED BY M. Dennis

TOTAL DEPTH 500'

DRILL HOLE ASSAY LOG

HOLE DEPTH	INTERVAL	SAMPLE NUMBER	Au 2	Ag 2	As 2	Sb 2	Cu 2	Mo 2	Pb 2	Zn 2	Hg 1	W 2	F 1	Acid Sol. Ba 1	Total Ba % 1	U 1		GEOLOGY
0-50	50	Individ. samples only																Alluvium.
50-110	60	B-14 50-110	<.02	.5	8	<2	32	6	26	38	<.05	2						Siltstone MnOx.
110-190	80	B-14 110-190	<.02	.5	22	<2	72	14	22	53	<.05	4						Abundant MnOx.
190-280	90	B-14 190-280	<.02	.5	38	<2	54	13	19	60	<.05	3						Breccia - Arkose, Siltstone, latite.
280-330	50	B-14 280-330	<.02	.7	60	<2	18	16	29	87	.07	6						Brecciated Arkose.
330-430	100	B-14 330-430	<.02	.7	27	<2	54	9	26	76	<.05	6						" "
430-500	70	B-14 430-500	<.02	1.4	11	3	43	6	36	141	<.05	16						" " MnOx.-
500 is End of Hole																		

ALL VALUES IN PPM UNLESS OTHERWISE INDICATED.

ASSAYS BY
1. COPPER STATE ANALYTICAL, TUCSON.
2. U.S. BORAX RESEARCH CENTER, ANAHEIM,

CORN & AHERN

HOLE NO. B-15 PROSPECT Bouse COUNTY La Paz STATE Arizona

CLAIM Lap #35 SECTION SE/NW 12 T. 7N R. 18W COLLAR COORDS.

ELEVATION 910 HOLE SIZE 5¼ CORE SIZE Rev. Circ.-Air. HOLE ANGLE Vertical

SPUDDED 2/15/86 COMPLETED 2/16/86 DRILLER Stevens & Harris Talbot LOGGED BY M. Dennis

TOTAL DEPTH 500'

DRILL HOLE ASSAY LOG

HOLE DEPTH	INTERVAL	SAMPLE NUMBER	Au ppm 2	Ag ppm 2	As ppm 2	Sb ppm 2	Cu ppm 2	Mo ppm 2	Pb ppm 2	Zn ppm 2	Hg ppm 1	W ppm 2	F ppm 1	Acid Sol. Ba ppm 1	Total Ba % 1	U ppm 1		GEOLOGY
0-20	20	Individ. Samples only																Alluvium.
20-100	80	B-15 20-100	.03	.7	13	<2	88	<5	26	34	<.05	4						Siltstone
100-150	50	B-15 100-150	<.02	1.0	9	<2	41	5	22	43	<.05	4						Brecciated tuffaceous siltstone & tuff. & rhyolite
150-210	60	B-15 150-210	<.02	1.2	13	<2	63	6	36	118	<.05	2						Gray Siltstone
210-270	60	B-15 210-270	<.02	.7	29	<2	105	12	29	76	<.05	5						Breccia - Arkose and schist
270-340	70	B-15 270-340	<.02	1.2	90	<2	263	13	41	175	<.05	4						Brecciated siltstone and Arkose. - MnOx
340-410	70	B-15 340-410	<.02	.5	22	3	25	<5	43	61	<.05	3						Microbreccia (?) Arkose & schist barite, minor specularite
410-500	90	B-15 410-500	<.02	.5	18	2	23	6	29	67	<.05	3						Schist Breccia.
500 is End of Hole																		

ALL VALUES IN PPM UNLESS OTHERWISE INDICATED.

ASSAYS BY
1. COPPER STATE ANALYTICAL, TUCSON.
2. U.S. BORAX RESEARCH CENTER, ANAHEIM.

CORN & AHERN

HOLE NO. B-16 PROSPECT Bouse COUNTY La Paz STATE Arizona

CLAIM Lap #38 SECTION NE/SW 12 T. 7N R. 18W COLLAR COORDS.

ELEVATION 930 HOLE SIZE 5½" CORE SIZE Rev. Circ.-Air. HOLE ANGLE Vertical

SPUDDED 2/16/86 COMPLETED 2/16/86 DRILLER Stevens & Harris Talbot LOGGED BY M. Dennis

TOTAL DEPTH 540'

DRILL HOLE ASSAY LOG

HOLE DEPTH	INTERVAL	SAMPLE NUMBER	Au ppm 2	Ag ppm 2	As ppm 2	Sb ppm 2	Cu ppm 2	Mo ppm 2	Pb ppm 2	Zn ppm 2	Hg ppm 1	W ppm 2	F % 1	Acid Sol. Bo % 1	Total Bo % 1	U ppm 1		GEOLOGY
0-60	60	Individ. samples only																Alluvium
60-120	60	B-16 60-120	<.02	.7	17	<2	187	<5	19	37	<.05	4						Siltstone.
120-170	50	B-16 120-170	<.02	1.4	200	2	1250	17	29	93	.17	13						Siltstone.
170-200	30	B-16 170-200	.18	1.2	109	2	1920	23	19	90	.09	27						Breccia - Siltstone MnOx & specularite
(170-180)	10		(.59)															
200-270	70	B-16 200-270	<.02	1.4	130	2	866	60	41	139	.06	33						" "
270-350	80	B-16 270-350	<.02	1.7	109	10	239	18	96	262	<.05	19						Brecciated Siltstone MnOx & specularite
350-405	55	B-16 350-405	<.02	1.7	36	7	318	9	74	274	<.05	14						" "
405-445	40	B-16 405-445	.03	1.7	112	18	73	16	115	408	<.05	24						Breccia - Siltstone. Hematitic limonite Intense Argillic Alt.
445-465	20	B-16 445-465	.41	1.0	47	14	50	17	53	82	<.05	24						Breccia - Granite. White quartz - barite & specularite
465-510	20	B-16 465-510	<.02	1.0	33	6	42	9	48	195	<.05	24						Breccia - Granite & schist Abdt specularite
510-540	30	B-16 510-540	<.02	1.0	26	4	38	7	36	117	<.05	27						Breccia
540 is End of Hole.																		Schist-granite & latite

ALL VALUES IN PPM UNLESS OTHERWISE INDICATED.

ASSAYS BY
1. COPPER STATE ANALYTICAL, TUCSON.
2. U.S. BORAX RESEARCH CENTER, ANAHEIM.

CORN & AHERN

HOLE NO. B-17 PROSPECT Bouse COUNTY La Paz STATE Arizona

CLAIM Lap #11 SECTION SW/SE 12 T. 7N R. 18W COLLAR COORDS.

ELEVATION 950 HOLE SIZE 5½" CORE SIZE Rev. Circ.-Air HOLE ANGLE Vertical

SPUDDED 2/17/86 COMPLETED 2/17/86 DRILLER Stevens Harris Talbot LOGGED BY M. Dennis

TOTAL DEPTH 500'

DRILL HOLE ASSAY LOG

HOLE DEPTH	INTERVAL	SAMPLE NUMBER	Au ppm 2	Ag ppm 2	As ppm 2	Sb ppm 2	Cu ppm 2	Mo ppm 2	Pb ppm 2	Zn ppm 2	Hg ppm 1	W ppm 2	F ppm 1	Acid Sol. Ba ppm 1	Total Ba % 1	U ppm 1		GEOLOGY
0-110	110	Individ. samples only																Alluvium
110-160	50	B-17 110-160	<.02	1.2	31	<2	219	7	53	57	<.05	7						Siltstone
160-220	60	B-17 160-220	<.02	1.2	136	2	324	28	41	173	<.05	10						Siltstone MnOx & specularite
220-270	50	B-17 220-270	<.02	1.0	172	2	259	18	36	133	<.05	6						Siltstone - Hematitic limonite stain.
270-305	35	B-17 270-305	.03	1.4	147	3	507	15	106	160	<.05	7						Brecciated siltstone and Arkose - Hematitic limonite
305-355	50	B-17 305-355	<.02	1.2	189	3	176	19	139	89	<.05	9						" "
355-390	35	B-17 355-390	<.02	1.2	133	3	187	11	122	173	<.05	6						Siltstone Abundant MnOx. minor specularite
390-430	40	B-17 390-430	<.02	1.2	138	2	203	9	118	266	<.05	8						" "
430-500	70	B-17 430-500	<.02	1.2	142	3	310	8	122	243	.06	7						
500 is End of Hole																		

ALL VALUES IN PPM UNLESS OTHERWISE INDICATED.

ASSAYS BY
1. COPPER STATE ANALYTICAL, TUCSON.
2. U.S. BORAX RESEARCH CENTER, ANAHEIM.

CORN & AHERN

HOLE NO. B-17 PROSPECT Bouse COUNTY La Paz STATE Arizona

CLAIM lap #11 SECTION SW/SE 12 T. 7N R. 18W COLLAR COORDS.

ELEVATION 950 HOLE SIZE 5½ CORE SIZE Rev. Circ-Air. HOLE ANGLE Vertical

SPUDDED 2/17/86 COMPLETED 2/17/86 DRILLER Stevens & Harris Talbot LOGGED BY M. Dennis

TOTAL DEPTH 500'

DRILL HOLE DESCRIPTIVE LOG

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
0-160	160	Good	B-17 0-10	<.02			Alluvium	Mixture of volcanic, granite + gneiss rock chips weakly cement by caliche		
			B-17 10-20	<.02						
			B-17 20-30	<.02						
			B-17 30-40	<.02						
			B-17 40-50	<.02						
			B-17 50-60	<.02						
			B-17 60-70	<.02						
			B-17 70-80	<.02						
			B-17 80-90	<.02						
			B-17 90-100	<.02						
			B-17 100-110	<.02						
			B-17 110-120	<.02						
			B-17 120-130	<.02						
			B-17 130-140	<.02						
			B-17 140-150	.06						
			B-17 150-160	.06						
160-500	340	Good	B-17 160-170	<.02			Siltstone to very fine grained sandstone	Mix of brown to red-brown, dense siltstone and fg brecciated(?) ss mod. to weakly sorted vfg ss, may be breccia	Mod. to strong fe-ox, locally strong sericite,	wk qtz-specularite vn, mod. Mn02 mod. diss. specularite
			B-17 170-180	<.02					mod. pervasive argillic alt. abundant brown clay	Mod. Mn02
			B-17 180-190	<.02					coating chips	tr. qtz-spec. vn, wk Mn02
			B-17 190-200	<.02					A few chips silicified	abundant specularite + Mn02
			B-17 200-210	<.02						mod. Mn02, wk diss specularite
			B-17 210-220	<.02				A few white quartzose siltstones		wk Mn02
			B-17 220-230	<.02				30% yellow to orange granite? breccia (abundant angular qtz)	strong yellow to orange fe-ox	strong specularite
			B-17 230-240	<.02					strong red fe-ox	tr. barite
			B-17 240-250	<.02						strong specularite, wk Mn02

(1) ASSAYS by U.S. BORAX RESEARCH CORPORATION, ANAHEIM, CA.

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HOLE NO. B-17 PROSPECT Bouse COUNTY La Paz STATE Arizona PAGE 2 OF 3

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
			B-17 250-260	<.02			Siltstone			vug lined w/drusy qtz, wk MnO2
			B-17 260-270	<.02						tr. specularite, wk MnO2
			B-17 270-280	<.02				10% white qtzose siltstone		tr-qtz vn, wk MnO2
			B-17 280-290	.17				A few breccia chips, abundant red clay in sample	a few chips with yellow fe-ox, strong argillic alt. of feldspars in qtzose siltstones	tr. qtz ± specularite vn
			B-17 290-300	.03						mod. qtz-spec. vn, strong MnO2
			B-17 300-305	.06				chips appear brecciated but no clear breccia fragments		mod. specularite, strong MnO2
			B-17 305-310	<.02						Mod. MnO2
			B-17 310-315	<.02				coarser grained, a few cse sand size grains in silty matrix abundant clay balls	increased argillic + fe-ox alt.	tr. barite + qtz, mod specularite
			B-17 315-320	<.02						
			B-17 320-325	<.02				fine grained, abundant qtz-feld siltstones	strong argillic alt. of feldspars	tr. qtz vn
			B-17 325-330	<.02					abundant red-brown clay in sample	tr. barite
			B-17 330-335	<.02				A few chips w/angular qtz clasts		tr. qtz vn
			B-17 335-340	.05				abundant clay		wk. MnO2
			B-17 340-345	<.02				abundant qtz-feld siltstone	strong argillic alt. of feldspars	strong MnO2
			B-17 345-350	<.02						Mod. qtz vn, mod. MnO2, tr. barite
			B-17 350-355	<.02						Mod. MnO2
			B-17 355-360	.05				abundant clay balls		strong MnO2
			B-17 360-365	.09						strong MnO2, mod. barite
			B-17 365-370	.05				almost all brown brecciated? siltstone	wk to mod pervasive argillic alt.	tr. barite, mod MnO2
		Poor	B-17 370-375	<.02						tr. MnO2
		Poor	B-17 375-380	<.02				One unequivical granite breccia chip		tr. qtz vn
			B-17 380-385	<.02				dk brown in color		
			B-17 385-390	<.02				appears to be finely comminuted		
		Poor	B-17 390-395	.12						
			B-17 395-400	.03					more reddish fe-ox	tr. barite
			B-17 400-405	.06				10% chips have angular qtz clasts in silty matrix "		wk. qtz vn, strong MnO2
			B-17 405-410	<.02						Mod. MnO2 tr. qtz vein
			B-17 410-415	<.02						wk qtz-specularite vn, mod MnO2
			B-17 415-420	.05						Mod. MnO2, tr. qtz-spec. vn

(1) ASSAYS by U.S. BORAX RESEARCH CORPORATION, ANAHEIM, CA.

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HOLE NO. B-17 PROSPECT Bouse COUNTY Ia Paz STATE Arizona

HOLE DEPTH	INTERVAL	RECOVERY	SAMPLE NUMBER	PPM (1) Au	PPM (1) Hg		ROCK TYPE	ROCK DESCRIPTION	ALTERATION	MINERALIZATION
			B-17 420-425	.03			Siltstone			strong MnO2, tr. barite
			B-17 425-430	.03						tr. qtz + specularite vn, mod. MnO2
			B-17 430-435	<.02						"
			B-17 435-440	<.02						tr. qtz-spec. vein, mod. MnO2
			B-17 440-445	<.02						"
			B-17 445-450	<.02						mod. qtz-spec. veining, mod to strong MnO2
			B-17 450-455	<.02						tr. qtz vn, mod. MnO2
			B-17 455-460	<.02					minor leaching of fe-ox	tr. qtz vn
			B-17 460-465	<.02						tr. qtz + barite, wk to mod MnO2
			B-17 465-470	<.02				normal siltstone fracturing		wk MnO2
			B-17 470-475	<.02						tr. qtz vn, mod MnO2
			B-17 475-480	<.02						tr. qtz-specularite vn
			B-17 480-485	<.02						tr. qtz vn, mod. MnO2
			B-17 485-490	<.02						"
			B-17 490-495	<.02						tr. barite, wk MnO2
			B-17 495-500	<.02						tr. qtz-specularite vn, wk MnO2 tr. barite
500	is	End	of Hole							

(1) ASSAYS by U.S. BORAX RESEARCH CORPORATION, ANAHEIM, CA.

CORN & AHERN

HOLE NO. B-18 PROSPECT Bouse COUNTY La Paz STATE Arizona

CLAIM Lap #4 SECTION SW/SE 12 T. 7N R. 18W COLLAR COORDS.

ELEVATION 975 HOLE SIZE 5¼" CORE SIZE Rev. Circ.-Air. HOLE ANGLE Vert.

SPUDDED 2/18/86 COMPLETED 2/18/86 DRILLER Stevens & Harris / Talbot LOGGED BY M. Dennis

TOTAL DEPTH 600'

DRILL HOLE ASSAY LOG

HOLE DEPTH	INTERVAL	SAMPLE NUMBER	Au [2]	Ag [2]	As [2]	Sb [2]	Cu [2]	Mo [2]	Pb [2]	Zn [2]	Hg [1]	W [2]	F [1]	Acid Sol. Ba [1]	Total Ba % [1]	U [1]		GEOLOGY
0-60	60	Individ Samples only	<.02															Alluvium.
60-120	60	Individ Samples only	<.02															Caliche cemented grul. & siltstone.
120-180	60	B-18 120-180	<.02	1.4	104	<2	339	18	66	48	.22	7						Siltstone
180-220	40	B-18 180-220	<.02	1.9	213	2	1570	82	43	85	.35	23						Brecciated siltstone Abdt MnOx & spec.
220-270	50	B-18 220-270	.03	1.2	73	2	790	12	48	187	.19	6						Siltstone - intense argillic alteration
270-325	55	B-18 270-325	<.02	1.2	82	3	549	9	38	102	.27	9						Brecciated siltstone Hematitic limonite stain
325-355	30	B-18 325-355	.05	1.2	53	2	645	6	50	95	.40	7						Mixed Arkose and Siltstone.
355-385	30	B-18 355-385	.36	1.2	74	3	1400	7	79	125	.47	11						Brecciated Arkose and Siltstone -Hematitic limonite
(375-385)	(10)		(.81)															
385-430	45	B-18 385-430	<.02	1.2	55	2	906	10	101	207	.23	8						Brecciated Arkose and siltstone MnOx.
430-485	55	B-18 430-485	<.02	.5	27	<2	184	11	65	40	.15	8						Granite breccia chloritic alteration
485-520	35	B-18 485-520	.03	.5	26	2	90	9	48	99	.10	6						Mixed granite-schist breccia - hematitic lim.
520-600	80	B-18 520-600	<.02	.5	12	<2	49	8	31	32	.12	7						Granite - schist breccia -specularite & chlorite
600 is End of Hole																		

ALL VALUES IN PPM UNLESS OTHERWISE INDICATED.

ASSAYS BY
1. COPPER STATE ANALYTICAL, TUCSON.
2. U.S. BORAX RESEARCH CENTER, ANAHEIM.

CORN & AHERN

PROSPECT Bouse Project

COUNTY La Paz STATE Arizona

SAMPLE LOG

SAMPLE NUMBER	LOCATION		DESCRIPTION	RADIOACTIVE ELEMENTS			PATHFINDER ELEMENTS							BASE METALS				SULFO-SALTS		PRECIOUS METALS	
	LEGAL	GEOGRAPHIC	LITHOLOGY AND MINERALIZATION	U_3O_8	eU	eTh			W [3]	Acid Sol Ba [3]	Total Ba % [2]	F [2]	Hg [2]	Cu [3]	Mo [3]	Zn [3]	Pb [3]	As [3]	Sb [3]	Au [3]	Ag [3]
4383	NW/NW Sec. 18, T 7N, R17W	B-1 undrilled site, sample cuts	2' sheared fault zone, Mn and spec.						47				<.05	3390	7	117	18	20	< 2	0.24	1.4
4383-A	" "	" " "	30' along wall w/Mn, Fe, and matrix						7				<.05	2230	5	112	14	5	< 2	0.12	1.3
4383-B	" "	" " "	15' Tuff w/limonite and vuggy quartz veinlets						8				<.05	648	< 5	90	7	3	< 2	0.06	1.0
4383-C	" "	" " "	20' mixed Tuff 3'-5' and And. matrix						8				<.05	2170	< 5	123	14	< 2	< 2	0.48	1.2
4384	NW/NW Sec. 18, T 7N, R17W	Shaft Dump, SW Dutchman	Select-vein.-vuggy quartz, barite fluorite, minor chpy and hematite						93				<.05	2260	20	102	10	14	< 2	0.66	1.0
4385	" " "	W. Bank in wash N. of deep shaft	6' chip in red zone w/barite in Granite bx						6				<.05	718	< 5	132	10	14	< 2	0.11	1.0
4385-A	" " "	" " "	" " " "						12				<.05	354	< 5	120	12	11	< 2	0.24	1.0
4385-B	" " "	" " "	15' chip in red zone w/barite in granite bx						6				<.05	650	< 5	109	12	10	< 2	0.06	1.0
4385-C	" " "	" " "	20' chip in red zone w/barite in granite bx						22				<.05	448	6	103	12	6	< 2	<.02	1.0
4387	" " "	Val pit on east side of road	3' of sheared bx-CuOx, barite, limonite, spec., and some qtz						38				<.05	3800	8	94	17	12	< 2	0.34	1.0
4388	" " "	North of shaft	10' of silicic bleached latite bx						8				<.05	2280	< 5	97	7	3	< 2	0.03	0.7
4388-A	" " "	Adj. to S.W.	30' of red Ark and Mdst.						3				<.05	274	< 5	112	12	13	< 2	<.02	1.4
4389	" " "	Dump @ Dutchman shaft	Grab-some vuggy qutz-spec veinlets						5				.05	1430	6	124	12	5	< 2	.15	1.2
4390	" " "	Cut w. of B-1	Chip-30' in cut						2				<.05	1410	< 5	113	12	6	< 2	.04	1.2
4390-A	" " "	Poorly exposed zone near wash	Sheared zone-dominantly volc. bx.						2				<.05	739	< 5	113	12	3	< 2	.27	1.2
4391	" " "	Dump of cut in wash	Hi-grade, bleached w/vuggy qtz. and former chpy.						16				<.05	10100	< 5	111	14	10	< 2	1.38	1.2
4391-A	" " "	N. of zone in cut	10' sample of sheared material w/vuggy qtz, etc.						9				<.05	1610	< 5	114	12	18	< 2	0.07	1.0
4392	" " "	From cut, 20' w. of sehist	5' intensly sheared chl. volc. and Mdst.						34				<.05	6430	< 5	113	14	14	< 2	0.18	1.7
4392-A	" " "	10' N. of 4392	5' of grab w/1' of CuOx and spec. bx						32				<.05	5140	< 5	104	14	< 2	< 2	.57	1.7

1 VALUES IN PPM EXCEPT "TOTAL BARIUM" WHICH IS IN %.
2 COPPER STATE ANALYTICAL, TUCSON.
3 U.S. BORAX RESEARCH CENTER, ANAHEIM.

CORN & AHERN
CONSULTING GEOLOGISTS
TUCSON, ARIZONA

PROSPECT BOUSE HILLS (PLOMOSA DISTRICT)

COUNTY YUMA STATE ARIZONA

SAMPLE LOG

SAMPLE NUMBER	LOCATION		DESCRIPTION	RADIOACTIVE ELEMENTS			PATHFINDER ELEMENTS							BASE METALS				SULFO-SALTS		PRECIOUS METALS	
	LEGAL	GEOGRAPHIC	LITHOLOGY AND MINERALIZATION	U_3O_8 [2]	eU [4]	eTh [4]			W [3]	Acid Sol Ba [2]	Total Ba % [2]	F [2]	Hg [2]	Cu [3]	Mo [3]	Pb [3]	Zn [3]	As [3]	Sb [3]	Au [3]	Ag [3]
100	SW Sec 7, 7N, 17W	Smoke Hole Property.	Pegmatite with copper - specularite.	5											5	54					
101	"	"	Granite with quartz limonite veinlets.	5											7						
102	? 2S, 20W	U.S. Highway 95.	Fresh radioactive rhyolite.	6								375									
103	C W/2 Sec 18, 6N, 17W	North of Four Peaks Rd.	Anomalous limey siltstone and Tertiary sediments.	5											7	45					
104	W/2 Sec 18, 6N, 17W	East of Four Peaks.	Fe-Mn rich sediments below volcanics.	11											7	30					
105	C Sec 18, 6N, 17W	Prospect pit.	Fe-Mn silty limestone 1'4" 100K cpm.	169	125	<5						620			118	316				<.02	2.7
106	"	"	Fe-Mn silty limestone 1'4", 100K cpm. Just below # 105.	33	27	<3						470			87	78				<.02	4.1
107	"	"	2'6" silicified shale. Below #106.	69	53	11						1600			77	89				.06	8.9
108	"	250' north of #105.	Silicified mineralized shale.	69	56	<3									73	75					
109	"	"	Limestone.	73	60	12									45	103					
110	"	Dump below shaft.	Bleached hematitic granite. Tuff breccia.	6											13	51					
135	C Sec 13, 6N, 18W	Four Peaks area.	Silicated altered limestone and shale.	75								2500			72	87					
136	"	Rayvern Prospect.	Brecciated Tertiary limestone, 150 cps.	16								600			4	15				.03	9.6
137	S/2 Sec 13, 6N, 18W	Four Peaks area.	Silicated limestone with barite in fault.	71								1200			122	54					
138	"	Same as #137.	Same unit, 75' structurally higher.	9								860			4	40					
139	C W/2 Sec 13, 6N, 18W	South side, Four Peaks.	Altered rhyolite with barite quartz hematite.	13								1100			3	18					
140	W/2 Sec 13, 6N, 18W	Base of hill near Cu Fe Ba prospect shaft.	Rhyolite plug east of Cu Ba Fe mineralization.	13								1200									
142	SE Sec 13, 6N, 18W	"	Grab of silicified rhyolite breccia with barite.	5	4	10						590			4	57					
143	NW Sec 13, 6N, 18W	"	Altered rhyolite. 12K cps.	4	1	11						510			1	51				<.02	3.8
144	"	"	Altered rhyolite with FeOx. 12K cps.	6								450			1	78				<.02	4.1
145	"	"	Fluidized breccia rhyolite. 15K cps.	6								490			2	112					
146	W/2 Sec 13, 6N, 17W	East of road.	Sheared altered granite. 45K cps.	13											4	17					
147	"	100' from #146.	Chloritic sheared granite.	14											17	81					
148	NW Sec 7, 6N, 17W	Dozer cut.	Sheared granite breccia. 500K cps.	208	130	4010						460			5	15					

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PROSPECT BOUSE HILLS (PLOMOSA DISTRICT)

COUNTY YUMA STATE ARIZONA

SAMPLE LOG

SAMPLE NUMBER	LOCATION		DESCRIPTION	RADIOACTIVE ELEMENTS			PATHFINDER ELEMENTS						BASE METALS				SULFO-SALTS		PRECIOUS METALS	
	LEGAL	GEOGRAPHIC	LITHOLOGY AND MINERALIZATION	U_3O_8 [2]	eU [2]	eTh [2]	Mn [2]	W [3]	Acid Sol. Ba [2]	Total Ba % [2]	F [2]	Hg [2]	Cu [3]	Mo [3]	Pb [3]	Zn [3]	As [3]	Sb [3]	Au [3]	Ag [3]
149	NW Sec 7, 7N, 17W	Dozer cut.	Sheared granite breccia. 300K cps.	175	28	599														
150	SE Sec 20, 7N, 17W		250K cps. Sheared altered granite with hematite.								250			s 2	s <5					
151	SW Sec 20, 7N, 17W	Manganese prospect.	Rhyolite breccia with barite.	41										17	81					
174	NW Sec 18, 7N, 17W	Copper prospect.	Hematized Precambrian granite conglom.	13							690			7	54					
175	"	On road.	Chloritic silicified granite breccia.	15	< 10	< 39								5	63					
176	"	"	Chloritic silicified granite breccia. 40K cps.	14	< 10	<110								2	56					
177	"	Prospect dump.	CuOx specularite in granite breccia.	15																
178	"	Prospect.	Carbonate hematite silica in fractures. 50K cps.	72																
179	NE NW Sec 19, 7N, 17W		Bleached albatized granite near limestone.	3										4	43					
180	NE Sec 19, 7N, 17W		Altered hematite tuff below Tertiary limestone.	55							1000			20	69					
181	NW Sec 20, 7N, 17W		Tertiary siltstone and limestone with Mn Ba siderite.	37																
182	C Sec 7, 6N, 17W		Altered Tertiary conglomerate.	6							720			5	67					
191	NE Sec 12, 6N, 18W	Validation pit.	Precambrian breccia. 300K cps.	14																
194	NW Sec 19, 7N, 17W		Limonitic quartz vein.																4.18	14.7
1602	SW SE Sec 24, 7N, 17W	Outside pit, Blackbird Mine.	Limestone cobbles in andesite breccia. calcite veins, no Mn.				4200	<1	180		350	.075	41	7	140	318	57	4	.03	5.7
1603	"	"	High grade psilomene fracture fillings in brecciated andesite.				16.2%	22	890		520	.070	497	88	84	312	369	11	.03	1.5
1604	SW SE Sec 20, 7N, 16W	Mn prospect in andesite below conglomerate apron.	MnO_2 as fracture fillings in brecciated andesite. Some calcite.				16.3%	37	1100		120	.065	199	47	2240	2150	523	14	.02	2.9
1605	NW NW Sec 20, 7N, 17W	Dump, southeast side of wash.	Argillic altered welded tuff.				750	1	480		1100	.015	137	< 5	12	15	4	4	<.02	1.2
1606	"	Dozer cuts, south side of Tertiary sedimentary hill.	Select material - MnFe seams and siderite-calcite veinlets.				1.23%	8	60		1900	.085	160	84	52	48	1293	12	<.02	3.4
1607	"	"	From cuts in marl below welded tuff.				2300	2	810		1500	.100	67	22	44	24	194	5	.05	3.3

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1608	NE Sec 19, 7N, 17W	Fault in upper uranium prospect pit.	2' zone of intense hematite-Mn and silicified limestone above.				2.68%	17	100		840	.055	1260	157	45	34	373	12	.03	3.2
1609	"	Approximately 50' north of shaft.	Hematized shale and limestone with barite seams, from low radioactive show.				4200	2	30		1100	.055	959	102	49	12	695	5	<.02	3.1
1611	NE Sec 13, 6N, 17W	On hill, west of Four Peaks uranium prospect.	Brecciated siltstone and porphyry with numerous barite stringers.				425	1	180		400	.040	228	< 5	8	10	7	5	.04	1.3
1612	"	South of Four Peaks uranium prospect.	Old core. Breccia dumped on flat.				1800	1	280		150	.005	176	20	59	36	75	6	.03	4.8
1613	SW Sec 7, 7N, 17W	Road cut.	Bleached altered arkosic conglomerate with $CO_3^=$ seams, earth hematite.				112	5	1100		1200	.035	79	< 5	6	5	8	8	<.02	0.6
1614	SE NE Sec 13, 7N, 18W	Near major workings	Hammer drill hole cuttings with stain.				4400	1	1900	.37	820	.075	786	< 5	8	34	5	11	.02	0.8
1615	SE NW Sec 31, 6N, 17W		High Mn Fe Cu at top of barite vein.				1900	8	1400		8600	.095	72	13	118	116	198	21	<.02	1.4
1616	E Center Sec 12, 6N, 18W	From cut in Ts at edge of cobble bx.	Jasper with specularite-volcanics-andesites and trachytes.				224	21	370		1800	.040	163	101	16	22	79	26	<.02	0.9
1617	SE NW Sec13, 7N, 18W		Boulder breccia cut by quartz-barite veins.				305	2	1200	.38	960	.050	196	< 5	9	10	4	5	.02	1.1
1618	NW NW Sec 20, 7N, 17W	North side of hill with dozer cuts.	Red altered marl-calcite and chewed siltstone Tertiary sediments.				4200	9	1100		2200	.070	80	80	44	10	657	7	.05	3.7
1619	NW NW Sec 18, 7N, 17W	Dutchman Mine mill and shaft area.	Granite cobble cgl. w/ tourmaline, calcite & specularite. Silicified quartzite.				845	19	2100	.24	4000	.065	921	10	5	9	5	3	<.05	0.8
1621	SE NW Sec 31, 6N, 17W	On ridge 200' east of barium workings.	Grab of hematite stained conglomerate. Cut by thin barite veinlets.				470	2	1400		(18,000)	.050	99	< 5	200	88	22	8	.03	2.1
1622	NE Sec 13, 6N, 17W	From east face of Four Peaks.	Altered float-intrusive fine grained rhyolite with scattered quartz seams.				305	3	1100		490	.065	91	< 5	20	20	9	3	.02	1.4
1623	SE Sec 17, 7N, 17W	From hill with vein.	Red dark andesite-conglomerate. Thin barite veinlets. Some minor copper.				630	4	1800		2200	.045	55	< 5	20	49	3	7	.05	1.5
1624	Center Sec 8 7N, 17W	On top of hill.	Crushed reject-approximately ¼"-altered hematite limestone and tuff with some barite.				2000	6	2100		1200	.070	1387	6	20	45	7	8	.21	1.8
1625	NW NE Sec 19, 7N, 17W	On west side of bridge near north line.	Grab of breccia quartzite, shale & limestone with some calcite, siderite, and specularite above low angle fault.				1900	2	250		760	.065	85	5	49	46	7	4	.03	3.3
1626	SE NE Sec 13, 6N, 18W	Four Peaks. From outcrop east side of flat.	Vesicular andesite material. Cut by numerous closely spaced thin barite vlts.				465	3	730		(10,400)	.050	92	5	71	53	63	14	.02	1.7
1627	NE SW Sec 7, 6N, 17W		Weakly hematized andesite, cobble breccia - some barite veinlets.				450	2	1400		750	.035	75	< 5	23	19	19	8	<.02	1.3
1628	SW Sec 18, 6N, 17W	One mile southeast of Four Peaks.	Cavernous volcanic breccia - slight hematite stain - no barite.				510	2	1200		840	.035	74	< 5	29	85	28	6	.03	1.3
1629	SE SW Sec 18, 6N, 17W	300' south of old mine shaft.	Chewed limestone - recrystallized $CO_3^=$ some silicate but no				2600	7	800		820	.045	107	7	47	20	9	3	.02	4.2
1631	NW Sec 18, 7N, 17W	North of road - south side of Dutchman.	Dump of shaft in wide 50'-100' breccia - brecciated conglomerate.				282	10	1700		1000	.065	1931	< 5	8	15	1	9	.65	1.6
1632	SE NE Sec 13, 7N, 18W	From dump on ridge north of mine.	Grab of boulder breccia.				626	2	500	.14	840	.050	445	< 5	11	19	3	8	.05	1.3
1634	NW NW Sec 20, 7N, 17W	North slope of hill above dozer cut.	Altered tuff with siderite, calcite, disseminated pyrite, chlorite, no pyrite.				304	2	800		420	.030	254	< 5	11	6	19	4	.05	1.7

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1636	SE NE Sec 13, 7N, 18W	Same as #1632.	Boulder breccia with fine grained red matrix with veinlets of quartz-barite and specularite.					282	7	840	.15	1100	.025	200	<5	7	10	3	4	.03	1.6
1637	"	From short ridge (E-W) in center of basin.	Precambrian boulders and chewed matrix with quartz veinlets and hematite, slight disseminated pyrite.					.44%	10	1900	.22	960	.045	180	<5	12	5	4	3	.04	1.8
1638	SE Sec 7, 7N, 17W	South of road - south of Little Butte.	Grab of siderite altered limestone with variable specularite.					.38%	3	450		1000	.015	234	18	40	24	26	4	.03	4.3
1639	NW Sec 18, 7N, 17W	South of Dutchman - near large dump.	Sheared granite and conglomerate with specularite Ox Cu and					122	8	1500	.53	760	.045	2870	<5	12	19	24	4	.32	1.4
1640	Center Sec 20 7N, 17W	Beneath slide of gentle dip. Siltstone.	Arkosic conglomerate - cut by thin siderite veinlets with slight bleach.					.11%	3	2800		1500	.015	87	<5	15	23	15	5	.03	1.9
1641	SE NW Sec 7, 7N, 17W	Fire Hole #7 tailings.						455	8	1300		1300	.870	152	6	16	30	21	4	.70	2.0
1642	NW SE Sec 8, 7N, 17W	Airstrip dump.						892	2	410		3.8%	.050	909	<5	26	22	20	4	.04	3.1
1643	SW SE " "	"	Basement - sericitic of porphyry.					362	2	1100		1200	.040	59	<5	10	42	8	3	.04	2.0
1644	NE NW Sec 19, 7N, 17W		Silicified limestone breccia, no quartz veinlets.					.26%	8	420		450	.040	79	9	40	91	11	3	.05	3.5
1645	SW Sec. 18, 7N, 17W	Old Maid Mine.	High grade ore.					.27%	6	740		520	.015	4960	9	30	103	5	9	13.5	7.5
1646	"	Four Peaks castle.	Altered tuff.					244	10	470		400	.025	52	<5	7	13	5	4	.04	1.8
1647	"	Old Maid Mine.	Quartz on dump.					.16%	3	180		420	.035	157	<5	8	19	1	6	.20	2.6
1652	NE Sec 16, 5N, 17W	Southern Cross Mine.	Silicified volcanic breccia, hematite, and limonite after pyrite.					.28%	1	440		1000	.520	1241	<5	32500	66600	157	25	6.75	18.4
1653	SE NW Sec13, 7N, 18W	Manganese prospect.	Top of zone below post mineral tuff.					10.8%	270	2.42%		390	.030	462	65	2910	1800	1443	172	.04	1.8
1654	NE SE Sec 13, 7N, 18W	From dump of gravel. No Cu stain on dump.	Red siltstone with scattered calcite,& quartz seams, no Cu or barite.					.32%	2	900		890	.160	890	<5	30	78	3	7	.10	1.4
1658	"	From hole on west side side of Bouse Hills.	6" core - conglomerate and siltstone.					.26%	1	740		830	.030	63	<5	26	29	7	9	.02	1.3
2075	NE NW Sec 18, 7N, 17W	Dutchman Mine area at north end - 1st sample of line.	Iron stain; hematite-manganese; altered andesite.				58		3	735	.45			308	<5	11	24	35	<2	.05	1.0
2076	"	Wash area.	Andesitic agglomerate-conglomerate increase in latitic and granitic cobbles.				46		2	740	.19			264	<5	11	30	30	<2	.05	2.0
2077	"	Bottom of wash.	Similar to #2076 - lighter color, scattered veinlets of barite.				57		6	680	.16			93	<5	16	41	11	<2	.23	1.4
2078	"		Shattered andesite agglomerate-conglomerate.				46		3	890	.38			2169	9	12	24	23	<2	.09	0.5
2079	"	Top of hill - 30' on n. side Cu prospect.	Siltstone - mudstone.				19		26	290	1.54			1068	78	<5	9	13	<2	.05	1.2

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2080	NENW Sec 18, 7N, 17W	Top of hill - 100' north of Dutchman.	Andesite agglomerate - shattered, hematite stain.				56		3	515	.32			1104	<5	6	9	2	<2	.03	2.4
2081	"	North side fault ~50' north of Dutchman.	Sample across 5' of bleached hematitic andesite with hematite stringers.				48		3	400	.21			3340	<5	9	24	3	<2	5.70	0.3
2082	"	Tails at Dutchman.	Crush. ± 1/8" - 1/4" reject size tails, from old jig?				48		5	1200	.21			1792	6	8	30	12	<2	.45	1.3
2083	NW NW " " "	Cut on west side of Dutchman shaft.	Bulk sample Fe-Mn dump material.				52		10	360	.18			2094	<5	10	34	6	<1	1.02	2.3
2084	NE NW	200' SE of Dutchman shaft - old prospect.	Sheared hematized shales along northwest trending fault.				56		6	450	.17			1323	11	14	47	6	<2	.06	0.7
2085	NW NW	From prospects in bottom of wash.	Hematized brecciated conglomerate with copper and specularite.				99		81	1600	.23			21,060	7	13	11	3	<2	1.32	3.3
2086	"	Cut in bottom of wash south of Dutchman.	10' of hematized conglomerate - exposed in wall.				30		4	125	.37			7460	<5	17	8	7	<2	.14	1.8
2088	"	Bottom of N-S wash, south of road.	Weakly altered hematite and manganese stained basalt.						8	1600	.46			119	<5	16	30	3	<2	.06	1.1
2089	"	Rotary hole cuts.	Sandstone above propylitic altered basalt cut by several barite veinlets.						6	620	.53			244	<5	20	68	7	<2	.06	0.4
2090	"	Exposed in cut for rotary hole site.	Hematite altered sandstone and coarse arkosic material, some siltstone.						5	65	.15			21	5	12	24	10	<2	.05	0.8
2091	"		Precambrian granite and schist boulder breccia/conglomerate with red hematized.						9	265	.36			14	<1	8	5	5	<2	.05	0.8
2092	SW NW Sec 18, 7N, 17W	Prospect dump.	Hematitic cobble conglomerate with scattered hematite-barite veinlets.						7	680	.13			253	<5	10	24	<2	<2	.12	1.4
2093	"								7	315	.25			27	<5	18	20	3	<2	.03	1.2
2094	"		Altered hematitic basalt cut by barite veinlets; beneath Precambrian granite cobble conglomerate.						4	140	.24			52	<5	13	25	2	<2	.03	1.5
2095	"		Brecciated & silicified limestone cut by jasper & quartz-hematite veinlets.						3	60	.10			17	5	30	5	<2	<2	.03	1.9
2097	NW NW Sec 18, 7N, 17W	Dump of shaft on 15' frac. zone in gulch.	Hematite, latite, barite copper oxide. Thin quartz veinlets as well as barite.				46		12	110	1.61			1960	<5	19	23	<2	<2	1.59	<0.2
2098	"	Shaft-50' north of #2097.	Hematized latite.				48		6	185	.069			899	<5	18	14	<2	<2	.18	0.7
2099	"	Dump of shaft-east of bend in road.	Thin quartz and barite veinlets cut shattered basalt and latite breccia.				46		9	165	.080			3410	<5	10	13	<2	<2	.60	<0.2
2100	"	Hillslope 50-100' n. of #2099 and #2101.	Cuts in wash.						6	640	.49			189	<5	9	13	<2	<2	.03	0.3
2101	"	Exposed cut in wash 75-100' west of shaft.	Sheared, silicified and hematized latite conglomerate with quartz latite pebbles.						5	980	.52			331	<5	5	16	<2	<2	.06	1.3
2103	"	Trench, west of north-south wash.	Hematized basalt-specularite seams; no quartz or barite.						3	1700	.25			117	6	18	51	7	<2	.08	1.0
2104	SW SW Sec 7, 7N, 17W	From top of hill.	Altered Precambrian granite and schist cobble conglomerate with red mud matrix.						3	445	.38			52	5	7	18	21	<2	.05	0.3
2105	"	Below contact with granite cobble cgl.	Sheared basalt conglomerate? or breccia.						3	1500	.40			74	<5	18	33	21	<2	.03	0.8
2106	"		Hematitic fine grained arkose breccia with quartz veinlets.						3	350	.24			158	5	7	13	2	<2	.03	0.8

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2107	SW SW Sec 7, 7N, 17W	In bottom of wash.	Shattered hematized latite and fine grained granite cobble conglomerate.						7	510	.31			13	<5	22	98	3	<2	.03	2.0
2108	"		Hematite stained light colored quartz latite & quartz. Arkose cobble conglom.						5	600	.14			15	<5	8	19	3	<2	.06	<0.2
			Minor matrix.																		
2109	"		Hematite stain with manganese-latite-andesite conglomerate.						2		.27			9	<5	11	10	7	<2	<.02	1.5
2110	"	High and on north side of ridge.	Silicified latite-rhyolite cobble conglomerate, mostly matrix.						2		.15			8	<5	13	10	13	<2	.03	1.1
2111	"	From bottom of wash.	Silicified, hematized latite-andesite pebble conglomerate.						4		.47			18	<5	14	16	10	<2	.03	0.3
2113	"	Cut below workings on sec. line.	Altered graywacke? and limy mudstone, bedded with abundant specularite, chrysocolla.						14					2402	38	12	34	9	<2	.03	0.2
2114	NW NW Sec 18, 7N, 17W	Area of anomalous Th cut just n. of workings	Hematized quartz-rich granite cobble conglomerate.						5					429	5	<5	12	34	<2	.20	0.5
2115	SE SE Sec 12, 7N, 18W		Conglomerate with andesite and granite fragments or hematite-$CO_3^=$ and silicification.						3	1200	.31			33	<5	23	37	18	<2	<.02	1.2
2116	"		Shattered, altered hematitic basalt with specularite and limonite/hematite veinlets.						8	175	3.05			10020	<5	46	52	15	<2	.89	0.6
2117	SE SE Sec 12, 7N, 18W	In gulch bottom.	Quartz-specularite float, rounded silicified specularite, former silicified limestone?						18	600	.37			146	7	17	5	23	<2	.05	1.0
2118	"	From dump of Bicycle Wheel shaft.	Latite-quartz-latite conglomerate; hematitic stained but little specularite.						3	630	.21			261	<5	28	11	2	<2	.03	0.6
2119	"	On west side of north-trending wash.	Shattered former mudstone, now purple, with numerous thin barite seams.						2	3200	2.69			50	<5	15	20	7	<2	<.02	0.4
2121	NE SE Sec 12, 7N, 18W	100' north of where wash forks.	Altered shattered andesitic sandstone? with barite veinlets.						3	645	3.02			99	<5	31	18	7	<5	.05	0.2
2122	"		Massive mudstone, shattered and hematitic, less barite.						3	615	.38			19	<5	37	31	4	<2	.03	0.3
2123	NE SW Sec 7, 7N, 17W		Massive andesitic mudstone, red-purple, weak hematite stain, no veinlets.						2	875	.13			7	<5	29	13	5	<2	.03	0.2
2124	NE SW Sec 7, 7N, 17W		Basalt, little hematite, propylitic alteration; shattered; thin calcite seams.						1	760	.12			42	<5	26	46	8	<2	.03	1.0
2125	NE SE Sec 12, 7N, 18W	Cut on west side of road.	Blue-purple shattered mudstone with some vuggy quartz seams.						3	1500	.16			64	<5	14	16	5	<2	<.02	0.4
2126	"	Small cut west of road.	Limonite stained altered basalt. Barite veinlets, some siderite.						2					8	<5	22	12	53	<2	.03	0.4
2127	SW NE Sec 12, 7N, 18W	Pit on high hill to west.	Purple mudstone, weak hematite stain no barite or quartz veinlets.						2					5	<5	28	32	7	<2	.03	0.4
2128	"		Argillic alteration with clays; andesitic pebbles and mudstones?						2					7	<5	32	18	12	<2	.03	1.2

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PROSPECT BOUSE HILLS (PLOMOSA DISTRICT)

SAMPLE LOG

COUNTY YUMA STATE ARIZONA

SAMPLE NUMBER	LOCATION		DESCRIPTION	RADIOACTIVE ELEMENTS			PATHFINDER ELEMENTS						BASE METALS				SULFO-SALTS		PRECIOUS METALS	
	LEGAL	GEOGRAPHIC	LITHOLOGY AND MINERALIZATION	U_3O_8	eU	eTh			W[3]	Acid Sol Ba[2]	Total Ba %[2]	F[2]	Hg[2]	Cu[3]	Mo[3]	Pb[3]	Zn[3]	As[3]	Sb[3]	Au[3]	Ag[3]
2129	SE SE Sec 12, 7N, 18W	On dump of bicycle wheel headframe.	High grade; vuggy quartz-barite and minor chrysocolla and hematite; latite cobble conglomerate.						5					729	<5	20	<5	4	<2	.12	0.2
2131	NE NW Sec 18, 7N, 17W		Red hematite and manganese stained latite-rhyolite? conglomerate, mostly matrix.						3		.55			481	5	39	26	5	<2	.06	0.4
2132	SW SE Sec 7	Toe of road cut.	Highly shattered hematitic & andesitic conglomerate in sheared zone.						2		.28			15	<5	36	11	7	<2	.03	0.2
2133	SW SESec 7, 7N, 17W	Along toe of road cut.	Dense sheared and hematized andesite? with specularite and substantial MnO_2.						4		.18			251	<5	26	53	26	<2	<.02	1.0
2134	"		Limestone dips at 15°; silicified; iron stain, some cross-cutting silica seams.						11		.58			183	44	49	15	191	<2	.03	2.6
2135	"		Altered mudstone and sandstone-chlorite color-some limonite-considerable spec.						18		.25			1.53%	117	22	52	128	<2	.05	1.9
2136	SW SE Sec 7, 7N, 17W	Dozer scrapes on west side of road.	Yellowish-brown siltstone-stratigraphically below limestone, calcite seams with siderite.						5		.34			159	23	46	55	377	<2	.09	2.0
2137	"	Across fault zone between limestone and sandstone.	Altered sandstone with hematite stain, specularite, copper and chlorite.						6		.22			1629	6	46	55	73	<2	.03	2.1
2138	"	Mouth of wash-on north bank of road.	Hematite and MnO_2 stained andesitic sandstone.						7		.75			1411	<5	42	41	5	<2	.03	2.1
2139	NW SW Sec 7, 7N, 17W	East bank of wash, north of #2141.	Massive andesite siltstone and sandstone; highly sheared.						12		.16			1603	6	32	48	39	<2	.05	1.6
2141	"		Chips of sheared siltstone with much hematite and specularite, some bleaching.						7	225	.10			1565	<5	21	17	22	<2	.06	0.5
2142	"		Shattered, limonite-stained latite fanglomerate on south side thin zone of basalt.						3		.21			114	<5	12	14	4	<2	.05	0.6
2143	"	200' north of road and in wash.	Red latite conglomerate, mostly matrix with barite veinlets, no specularite or copper or manganese.						2					13	<5	22	18	8	<2	<.02	1.0
2144	NE SW Sec 7, 7N, 17W		Coarse arkosic sandstone with hematite stain and scattered thin barite veinlets.						2					6	<5	5	8	7	<2	<.02	1.3
2145	SE NE Sec 7, 7N, 17W	East bank of wash, near old road crossing.	Shattered and sheared siltstone, abundant specularite, some Cu, chlorite.						48					354	149	27	43	63	<2	.06	1.3
2146	SW NW Sec 18, 7N, 17W	From prospect pit on sheared zone.	Sheared siltstones at base of cobble conglomerate; specularite, Cu, Mn, barite.						26		1.34			3570	<5	30	9	7	<2	<.02	1.0
2147	"	From pit on lower fault.	Faults and fractures with manganese. Latite-andesite conglomerate.						10		.26			58	8	<5	42	6	<2	<.02	1.4
2148	"		Weak argillic alteration in andesite, hematite and manganese. No specularite.						2		.32			25	<5	20	5	4	<2	<.02	0.2

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PROSPECT BOUSE HILLS (PLOMOSA DISTRICT)

COUNTY YUMA STATE ARIZONA

SAMPLE LOG

SAMPLE NUMBER	LOCATION		DESCRIPTION	RADIOACTIVE ELEMENTS			PATHFINDER ELEMENTS						BASE METALS				SULFO-SALTS		PRECIOUS METALS	
	LEGAL	GEOGRAPHIC	LITHOLOGY AND MINERALIZATION	U_3O_8	eU	eTh			W [3]	Acid Sol Ba [2]	Total Ba % [2]	F [2]	Hg [2]	Cu [3]	Mo [3]	Pb [3]	Zn [3]	As [3]	Sb [3]	Au [3]	Ag [3]
2149	SENW Sec 18, 7N, 17W	At bottom of slope.	Argillic alteration, latite pebble conglomerate, fine pebbles, hematite stain.						1		.36			14	<5	13	5	<2	<10	.05	1.3
2151	SE NW Sec 18, 7N, 17W		Silicified and recrystallized limestone breccia, siderite and silica seams, iron stain.						2		.49			26	5	29	32	3	<10	.06	3.4
2152	"	Above low angle fault zone, cut on north-west side of road.	White sheared talc with red hematite; latite, andesite, arkose beneath.						2		.12			<5	<5	<5	<5	8	<10	.05	1.0
2153	NW NE Sec 18, 7N, 17W	Top of hill, west bank of road.	Massive andesitic arkose or sandstone, chlorite and specularite alteration.						5		.14			432	<5	19	101	<2	<10	.03	0.6
2154	NE NE		Hematite stained latite and conglomerate, no specularite or Mn.						2		.18			31	<5	17	30	5	<10	.03	1.8
2155	NE NE Sec 18, 7N, 17W	Old beach - below low angle fault.	Thin beds of chip pebble conglomerate interbedded with siltstone and sandstone.						3					10	<5	21	20	8	<10	.03	0.5
2156	"		Thin bedded limy shale - cut by calcite & siderite veinlets, tan to faint pink.						3					144	7	26	22	16	<10	.03	2.5
2157	NE NE Sec 18, 7N, 17W	North of road junction.	Altered massive sandstone and sandy beds below limy shale & limestone.						4					45	8	22	9	13	<10	.05	1.7
2158	NW SW Sec 8	Just north of bedded massive arkose.	Altered, bleached and sericitized Precambrian granite with pyrite and specularite veinlets.						7					437	7	12	8	93	<10	.29	0.2
2159	NW SW Sec 8	Bottom of wash.	Weakly altered granite, red and hematite stain with thin seams hematite and specularite.						3					39	<5	10	25	<2	<10	.03	<0.2
2161	SE SE Sec 18, 7N, 17W		Altered latite with tuff and hematitic latite between altered limestone and shale.						3					54	<5	14	16	55	<10	.05	0.4
2162	"		Altered brown-red limy shale with Mn above thinbedded sandstone and siltstone.						2					49	10	35	16	10	<10	.05	1.7
2163	NW SW Sec 17, 7N, 17W		Red-stained, bedded limy shale with barite & hematite, siderite, calcite veinlets.						2					102	8	30	13	84	<10	.03	1.9
2164	NE SW Sec 17, 7N, 17W		Altered, bleached; weak argillic-pyritic altered latitic welded tuff.						4					24	8	19	<5	48	<10	.03	1.0
2165	"		Sandstone and siltstone with hematite and siderite alteration; appears to be above welded tuff.						5					126	21	31	10	89	<10	.03	2.6
2166	Center Sec 17 7N, 17W	Near wash junction.	Fault slivers of altered basalt and coarse-grained Precambrian granite.						2					25	<5	29	40	<2	<10	.08	2.0
2167	SW SE Sec 7, 7N, 17W	Just below #2135.	High-grade and fault stratigraphically at low-angle fault horizon in limy shales.						24					3870	96	24	54	329	<10	.15	1.7
2168	NE NW Sec 18, 7N, 17W	Just south of sample #2079.	Across 15' of high-grade silicified zone with specularite and chrysocolla.						30					9470	48	17	16	34	<10	.08	0.7

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PROSPECT BOUSE HILLS (PLOMOSA DISTRICT)

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SAMPLE LOG

SAMPLE NUMBER	LOCATION		DESCRIPTION	RADIOACTIVE ELEMENTS			PATHFINDER ELEMENTS						BASE METALS				SULFO-SALTS		PRECIOUS METALS	
	LEGAL	GEOGRAPHIC	LITHOLOGY AND MINERALIZATION	U_3O_8	eU	eTh			W[3]	Acid Sol Ba[2]	Total Ba %[2]	F[2]	Hg[2]	Cu[3]	Mo[3]	Pb[3]	Zn[3]	As[3]	Sb[3]	Au[3]	Ag[3]
2452	NW NW Sec 18, 7N, 17W	In gulch bottom.	Basalt with quartz specularite - siderite alteration and quartz veinlets.						12	1700	.23	840	.09	811	6	13	27	4	<2	.05	1.8
2453	"	"	Selected quartz-specularite-barite veinlets.						39	1800	.29	455	.08	601	7	6	17	5	<2	.06	1.2
2454	SE SE Sec 12, 7N, 18W	In wash bottom.	Andesitic mudstone breccia.						8	2200	1.41	3600	.09	37	<5	9	17	9	<2	.05	1.6
2455	"	"	Fault complex with barite-specularite-siderite veinlets.						<1	360	14.9	1.56 %	.08	33	<5	9	16	15	<2	.05	1.6
2456	SW SW Sec 18, 7N, 17W		Quartz breccia in granite breccia with carbonate.						1	690	.24	550	.11	201	21	17	108	12	<2	.05	1.6
2457	NE NE Sec 18, 7N, 17W	In wash bottom.	Selected quartz carbonate in altered andesite.						2	2200	.18	290	.07	21	<5	19	43	5	<2	.05	2.6
2458	SE NW Sec 18, 7N, 17W	Prospect along road.	Aplite in low angle fault over andesite.						4	110	2.11	1900	.09	<5	<5	<5	<5	10	<2	.05	0.6
2459	"	"	Fault breccia - no clay.						1	1200	.88	1500	.12	<5	<5	<5	7	6	<2	.05	0.8
2460	SW NE Sec 18, 7N, 17W	Prospect southeast of wash.	Silicified andesite with quartz CuOx.						5	500	.35	235	.08	6.87%	<5	<5	6	3	<2	.08	1.2
2462	N/2 SW Sec 16, 5N, 17W	Southern Cross, adit at end of road.	Felsite and quartz porphyry breccia.						7	80	1.05	310	1.54	187	15	1.25%	1400	611	16	.21	29.9
2463	NW Cor Sec 16, 5N, 17W	Southern Cross.	Marbelized limestone near 2' latite dike.						7	600	.11	465	.48	316	21	1.04%	8500	42	<2	.18	4.3
2464	"	"	Latite, weakly altered.						5	1800	3.53	415	.08	49	<5	357	142	5	<2	.08	1.4
2465	NW NW Sec 16, 5N, 17W	Drill hole on ridge..	Weakly altered fe site.						2	2000	.82	500	.10	47	<5	65	144	8	<2	.05	1.4
2466	"	Shaft north end of ridge.	Silicified hematitic quartz breccia.						3	1200	.23	650	.69	1100	<5	1.49%	6%	50	7	4.65	11.5
2467	"	"	Silicified felsite.						3	1400	.22	280	.08	14	5	251	257	8	<2	.09	1.2
2468	NE NW Sec 16, 5N, 17W	Southern Cross shaft.	Silicified rhyolite with FeOx in fractures.						5	1200	.35	190	.16	153	<5	23	68	13	<2	.06	1.4
2469	"	"	Fault breccia and gouge.						22	650	1.24	240	.11	1200	135	2000	1100	82	<2	2.18	4.5
2470	"	"	Silicified volcanics with quartz and carbonates.						2	820	.41	475	1.12	69	<5	55	343	6	<2	.09	2.5

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4 Hg ≈ sniffer.

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COUNTY La Paz STATE Arizona

SAMPLE LOG

SAMPLE NUMBER	LOCATION		DESCRIPTION	RADIOACTIVE ELEMENTS			PATHFINDER ELEMENTS							BASE METALS				SULFO-SALTS		PRECIOUS METALS	
	LEGAL	GEOGRAPHIC	LITHOLOGY AND MINERALIZATION	U_3O_8	eU	eTh	Cu/Pb		W[3]	AcidSol Ba[2]	Total Ba %[1]	F[2]	Hg[2]	Cu[3]	Mo[3]	Pb[3]	Zn[3]	As[3]	Sb[3]	Au[3]	Ag[3]
3702	SE/SE/13, T7N,R18W	Outcrop on slope above wash	Hematite stained rubble zon x in low angle shear in gneiss				2		5	270	.22	910	.13	61	5	30	56	9	< 2	< .02	1.8
3703	"	Outcrop on NW slope of NE trending wash	Greenish grey shattered chloritized qtz-feldsapr gneiss. N striking fracts				2		3	110	.21	490	.06	20	< 5	11	14	<2	< 2	< .02	1.1
3704	"	Outcrop at base of limestone ridge	Chocolate brn limestone w/Mnox. small scale bx, small calcite-filled fracts				0.4		2	510	.54	585	<.05	16	5	40	67	10	< 2	< .02	3.7
3705	SW/SE/13,T7N,R18W	Outcrop at base of small limestone knoll	Chocolate brn, brecciated, silicified limestone, some hematite, tr limonite				0.5		2	2900	1.24	495	<.05	19	7	39	105	9	< 2	< .02	3.7
3706	SW/SE/13, T7N,R18W	Outcrop in shallow wash trending N25°E	Reddish brn limestone, highly fractured w/carbonate vnlts, chlorite and siderite				2		4	2000	.36	590	<.05	90	10	39	38	23	< 2	< .02	3.5
3707	"	"	Diabase dike w/siderite				3		3	2700	.31	1200	.07	76	< 5	25	73	4	< 2	< .02	2.2
3708	"	"	Lt to mod grey qtz-chlor-sericite schits				3		11	2200	.47	1600	.07	30	< 5	14	13	3	< 2	< .02	1.6
3709	SE/SE/13, T7N,R18W	Small outcrop	Brn to red-brn limestone with abundant barite vnlts, some wh. qtz and tr chl				56		5	3600	.44	1200	<.05	726	< 5	13	13	15	2	< .02	1.6
3710	"	"	Hematite-stained chlor-sericite schist intercalated w/grnis-gy foliated schist				0.4		4	810	.07	1300	<.05	5	< 5	13	29	10	< 2	< .02	1.3
3711	"	"	Hematized and chloritized schist w/barite and qtz				1		2	2700	.46	1400	<.05	21	< 5	16	163	6	< 2	< .02	1.4
3712	SW/SW/18,T7N,R17W	10' deep test pit	6" fault containing brecciated volcanics in hematite/specularite matrix				0.7		2	290	.37	1100	.46	13	7	18	21	15	< 2	< .02	1.8
3713	"	2' thick bed(outcrop)	Cherty limestone partially replaced by limonite & siderite. Tr spec.				0.6		1	2400	.46	580	.48	17	7	29	21	15	< 2	< .02	2.9
3714	"	Small outcrop in E-W wash	Granite w/mod chloritized biotite. w/½"-2" qtz-spec vnlts & serici-hem on jts				1		3	610	.38	1300	.22	18	< 5	15	32	3	< 2	< .02	1.1
3715	"		Limonite-stained quartz pod in granite				0.4		2	370	.28	625	.18	9	7	21	25	4	< 2	< .02	1.6
3716	"		Orange-brn FeOx-stained fault zone in granite. Tr elongate streaks spec.				0.3		2	240	.35	1200	.18	11	5	37	364	14	< 2	< .02	2.6
3717	"		1'-6' thick coarse-grained diabase dikes cutting granite				2		1	220	.21	2100	.15	69	< 5	27	102	2	< 2	.03	2.3
3718	"		1"-3" orange brn calcite-limonite vns in granite				0.2		1	1200	.31	570	.15	10	7	46	242	10	2	< .02	4.2
3719	"	Small white pit (dozer cut)	White bio-feld crystal tuff intercalated with limestone				4		2	110	.16	900	.11	62	5	14	10	13	3	< .02	1.3
3720	"	Exposure in N-S wash	Pale purplish grey andesite cut by numerous red hematite vns.				2		3	880	.29	1600	.11	31	11	19	36	7	< 2	< .02	2.2
3721	"	"	Bright red volcanic agglomerate				0.2		1	510	.18	790	.07	< 5	< 5	24	20	10	< 2	< .02	1.4
3722	NW/SW/18,T7N,R17W	10'x10'x5' pit	f.g. andesitic volcanic cut by barite vns, MnOx, hematite. HW of fault 18" fault zone below 3722				2		2	4200	1.18	2500	.29	54	9	29	26	5	< 2	< .02	2.5
3723	"	"					3		3	3600	.64	3000	.22	99	12	32	31	63	< 2	< .02	2.6

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3724	NW/SW/18,T7N,R17W	Ridgeline	Ledge of black & red rock in volcanics replaced by hem-calcite				4		2	3100	.47	1000	.18	114	5	28	42	3	< 2	11.60	2.9
3725	NW/SW/18,T7N,R17W	At base of volcanic hill	Quartz, granite, gneiss cobble conglomerate				0.6		6	1900	.24	960	.26	26	5	41	228	8	< 2	<.02	3.4
3726	"		Pink, weakly sheared granite				3		3	750	.22	945	.15	22	< 5	7	13	2	3	<.02	1.5
3727	"		1-4" barite veins in volcanics				8		1	3000	.30	2.06%	.22	135	< 5	18	8	4	< 2	<.02	1.6
3728	"	Eastern-facing cliff face	Red-brown vesicular volcanics				5		2	4300	.51	2200	.15	107	< 5	20	23	8	< 2	<.02	2.0
3729	SE/SW/18,T7N,R17W		Hematite-cemented fault breccia between U.plate Pz limes. & l.plate rhy.				0.2		3	1700	.24	475	.15	8	6	39	21	4	2	<.02	3.5
3730	SW/NW/18,T7N,R17W		Granite cobble conglomerate w/red-blk hematite-MnOx stained matrix				11		4	1000	.37	825	.07	224	< 5	21	21	3	2	<.02	1.3
3731	"	along ridge crest on ridgeline, 100'	Hem-chrysocolla-barite veins				160		62	3000	.33	7300	.15	3670	< 5	23	10	4	2	<.02	1.9
3732	NW/SW/18,T7N,R17W	South of main saddle	Mylonite zone at base of granite- gneiss boulder conglomerate				5		4	2300	.59	1200	.15	71	< 5	14	11	3	< 2	<.02	0.4
3733	NE/SW/18,T7N,R17W		Gneissic altn zone in granite, 30' below flt contact w/volcanics				3		3	450	.25	1200	.15	36	5	14	80	18	2	<.02	0.6
3734	SE/NW/18,T7N,R17W		Hematite-silica cemented flt breccia w/ qtz, volcanic & granite frags				1		6	1400	.27	585	.11	28	8	19	14	20	2	<.02	0.9
3735	NE/SW/18,T7N,R17W		Fault in volcanics				2		2	1500	.72	650	.11	30	5	20	25	8	< 2	<.02	1.0
3736	NW/NE/19,T7N,R17W		Red hem-specularite 1-6" fault in f.gr. volcanics				3		6	800	.11	520	<.05	30	5	10	17	7	2	.07	1.0
3737	NW/SE/18,T7N,R17W		Red-purple siltst fragments in fault zone w/tr. pyrite				0.3		3	600	.24	600	<.05	<5	< 5	16	21	7	2	<.02	0.7
3738	"		Qtz veins w/blue-grey clay in center vn cuts brecciated qtzt bxd in volc.				4		4	1400	.16	380	<.05	103	< 5	26	13	3	2	<.02	0.7
3739	"		Red hematite-stained purple phenocryst-crowded andesite				2		1	2500	.57	920	<.05	16	< 5	10	8	3	< 2	<.02	0.5
3740	NE/SE/18,T7N,R17W		Fragments of limestone and qtzt in hematite sillcified breccia				0.2		2	540	.06	530	<.05	8	5	34	12	8	< 2	<.02	2.9
3741	"	6' deep 6'x10' test pit	Hem-specularite veining in arkosic conglomerate				6		2	830	.17	975	.07	106	< 5	17	18	29	2	<.02	1.4
3742	"	Test pit	Hematite stained and veined andesitic volcanic				19		2	780	.39	900	.07	187	< 5	10	38	3	2	<.02	1.1
3743	SW/SE/18,T7N,R17W	Bottom of S50°W wash	Mica schist (altered metased?) at base of low angle fault				0.4		5	850	.25	2100	<.05	<5	< 5	13	5	3	< 2	<.02	0.6
3744	"		Wkly foliated mica-rich granite faulted over metasiltstone				0.3		4	720	.31	920	<.05	<5	< 5	17	19	3	< 2	<.02	0.9
3745	SE/NW/18,T7N,R17W	Test pits in valley	Lt grey volcanic agglomerate, wk chrysocolla, hem after py				1		2	2400	.30	2100	<.05	16	< 5	17	23	4	< 2	<.02	0.8
3746	"		Hem-spec-MnOx veining and repl. of boulder conglomerate				6		28	2900	.47	890	<.05	122	< 5	19	33	3	< 2	<.02	1.1
3747	"	Next to 40' deep shaft	Volcanic pebble conglomerate cut by hematite veins				0.3		1	440	.27	2100	<.05	5	< 5	20	34	<2	< 2	<.02	0.4
3748	NW/NE/19,T7N,R17W	½ way between hilltop and E-W road	Rhyodacite with feldspar, biotite, hbl, qtz phenos				0.3		3	920	.21	865	<.05	<5	< 5	19	17	<2	< 2	<.02	0.6

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SAMPLE LOG

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	LEGAL	GEOGRAPHIC	LITHOLOGY AND MINERALIZATION	U_3O_8	eU	eTh	Cu/Pb		W[3]	AcidSol Ba[2]	Total Ba %[2]	F[2]	Hg[2]	Cu[3]	Mo[3]	Pb[3]	Zn[3]	As[3]	Sb[3]	Au[3]	Ag[3]
3749	SW/SE/18,T7N,R17W		Hem-spec altn in fault cutting foliated metasediments and rhyodacite				096		24	110	.28	1500	.30	9	<5	16	43	5	2	<.02	3.2
3750	NW/NE/19,T7N,R17W	Southernmost open cut at Iron King prospect	Low angle fault, 50% pink gouge, 50% foliated metasiltstone-30"channel sample				10		10	100	.23	3400	.18	436	73	44	34	490	6	2.66	5.5
3751	"	"	Low angle fault-24" hem replac. limestone above flt in sample 3750				51		32	300	.49	590	.18	1580	224	31	49	740	2	<.02	2.7
3752	"		White pinkish to greenish grey Bouse pebble conglomerate				4		7	130	.22	1100	.08	38	6	10	9	6	3	.03	0.9
3753	NE/NE/19,T7N,R17W		As above(3752)w/cobbles of quartzite granite, and arkose				8		5	290	.24	1100	<.05	76	<5	9	10	5	2	.03	1.0
3754	NW/NW/20,T7N,R17W		Granite clast pebble conglomerate				4		3	2700	.59	590	<.05	66	16	18	18	88	<2	<.02	2.1
3755	NE/NE/19,T7N,R17W		Red hem and (MnOx) in silicified Tertiary limestone				9		10	3300	.69	525	<.05	180	57	20	21	540	<2	<.02	2.9
3756	"	Adjacent to 3755	Unaltered(?) cherty limestone minor MnOx on chert				2		2	3200	.50	925	.08	121	17	51	9	107	3	<.02	4.9
3757	SW/SW,17,T7N,R17W		Specularite-hem. vnlts cutting thin bdd Tertiary limestone				6		1	3300	.39	1100	.32	299	13	54	13	234	3	<.02	5.2
3758	SE/SE/18,T7N,R17W		Lt grey lithic-xl tuff w/wk hem. stain				3		2	240	.18	580	<.05	92	11	27	19	72	2	.03	1.4
3759	"		Hem-MnOx stained high angle fault zone cutting xl-lithic tuff				5		9	260	.06	1900	1.00	234	66	49	45	279	2	.02	3.7
3760	"		Red andesite w/5% 1mm phenos repl by hematite				5		2	2700	.47	770	.22	117	<5	22	66	3	<2	<.02	2.7
3761	"		Fault zone separating footwall limestone and H.W. volcanics				9		11	3200	.70	1900	.08	407	74	45	142	208	2	.05	3.2
3762	SW/SW/17,T7N,R17W		F.gr. volcanics repl. by hem/MnOx, cut by barite vns				1		2	2500	.70	1.10%	.32	29	5	29	27	28	<2	.09	3.4
3763	"		Bbtite rich shattered granite in footwall of low angle fault (3768)				2		3	700	.66	1100	.13	22	6	13	26	6	<2	<.02	1.9
3764	"		Lt grey arkosic pebble cgl cut by hem vns				0.4		5	1100	.74	1200	.08	8	15	20	13	10	3	<.02	2.2
3765	"		Sheared, silicified xl-lithic tuff				23		3	600	.49	855	<.05	329	<5	14	12	15	3	<.02	2.1
3766	"		Blackish brown to red, brecciated f.gr. andesitic volcanic, cut by hem vnlts.				2		2	2900	.55	820	.13	40	5	24	44	9	<2	<.02	3.0
3767	"		18" thick gouge in fault, shattered limestone over granite				2		3	380	.32	2200	.08	60	11	35	13	34	<2	.03	3.8
3768	"		18" thick red fault gouge, brown limey (tar) siltstone over pebble congl. (tba)				6		3	900	.69	1700	<.05	181	13	28	25	24	2	<.02	3.3
3769	SE/SW/17,T7N,R17W		(tba) pebble conglomerate, heavily veined with hematite				7		4	1100	.54	1400	<.05	175	14	24	15	19	<2	.02	3.1
3770	"		As above (3769), unstained, unaltd (?)				7		3	330	.25	810	.18	54	<5	8	10	5	2	<.02	1.1
3771	"		Bleached chloritic granite w/hem vns Below contact w/Tba(fault)				2		3	360	.60	895	.13	38	<5	16	12	7	<2	<.02	1.0
3772	"		Limey siltstone cut by hem spec vns				6		6	1200	.64	1200	.69	339	35	59	24	331	2	<.02	2.6
3773	"		Granite, fresh, (trace hem/spec)in foot-wall of low angle fault. Tar in H.W.				3		<1	570	.30	920	.08	29	<5	10	9	2	3	.08	0.8

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	LEGAL	GEOGRAPHIC	LITHOLOGY AND MINERALIZATION	U_3O_8	eU	eTh	Cu/Pb		W[3]	Acid Sol Ba[2]	Total Ba %[2]	F[2]	Hg[2]	Cu[3]	Mo[3]	Pb[3]	Zn[3]	As[3]	Sb[3]	Au[3]	Ag[3]
3774	SW/SE/17,T7N,R17W		Red hematitic altn of volc. conglomerate and flows.				4		1	4100	.73	995	<.05	83	<5	19	31	5	3	<.02	1.7
3775	"		1" barite veins in volc. conglomerate				3		1	2700	.78	4800	<.05	30	<5	10	19	5	2	<.02	1.1
3776	"	± 80' shaft	Barite-fluorite veins cut by qtz-chalcedony vns in red hem. repl. volcanics				21		2	3200	1.32	5.6%	<.05	558	<5	26	60	9	2	.06	2.6
3777	NE/NE/20,T7N,R17W		Jasperiod repl volc. cut by barite veins				6		16	2700	.42	8400	.08	73	<5	12	27	19	2	<.02	1.4
3778	NW/NE/20,T7N,R17W		Qtzt-limestone breccia. Mod. hem staining and repl				0.5		3	3600	1.36	1200	<.05	17	5	32	15	10	4	<.02	3.0
3779	SW/SE/17,T7N,R17W		Barite and spec. veins cutting volc. conglomerate				2		1	3800	1.16	7300	.32	42	<5	21	38	16	2	<.02	1.6
3780	NW/NE/20,T7N,R17W		Fresh(?) f.gr. granite				6		1	390	.12	610	.08	56	<5	9	31	<2	2	<.02	0.9
3781	NE/NW/20,T7N,R17W		Fault gouge-granite H.W., gneiss(?) footwall				3		3	760	.14	850	<.05	44	6	15	12	12	<2	<.02	1.2
3782	"		Foliated coarse-gr pebbly(?) gneiss footwall of 3782				2		9	2000	.21	1300	<.05	47	12	20	16	17	2	.02	2.2
3783	SE/SW/17,T7N,R17W		Crs. gr. granite w/hem. veins				3		3	130	.15	810	.08	32	<5	9	28	4	2	<.02	1.1
3784	NE/SW/17,T7N,R17W	On Hillside	Cherty limestone(Tar) wk bx and silicification. Wk hem. stain.				27		7	1400	.16	925	.18	754	49	28	12	199	<2	<.02	3.8
3785	NW/SE/17,T7N,R17W	Two 8' deep shafts	Hem. altd granite				2		2	100	.06	645	<.05	10	<5	5	5	3	2	<.02	1.1
3786	NE/SW/17,T7N,R17W		Dk black diabase				6		2	820	.12	945	<.05	100	<5	16	75	3	2	<.02	1.8
3787	SW/SE/17,T7N,R17W		Unconsolidated volcanic-derived alluvium				4		4	7200	1.06	3800	.19	98	<5	25	84	11	<2	.04	1.8
3788	"		6' thick quartz vein cutting bxed barite vn				18		5	7000	1.10	12.8%	.36	801	9	45	216	34	2	<.02	5.3
3789	NE/NW/20,T7N,R17W		Tan to reddish brn, thinly bdd limey siltstone (Tar)				0.8		2	1400	.19	2600	.11	27	7	32	27	31	<2	.05	3.3
3790	"		Hematite-veined granite in footwall of fault. Tba over granite				7		3	420	.12	630	.07	109	<5	16	10	8	2	<.02	1.4
3791	SE/SW/17,T7N,R17W		Crs gr. pink granite				2		4	1300	.22	1000	.07	57	6	23	9	5	<2	<.02	2.4
3792	"		Reddish brn silty limestone (Tar) repl. by hematite-siderite				2		4	4000	.58	895	.11	55	7	32	32	9	3	<.02	3.4
3793	SW/SW/17,T7N,R17W		Crg gr. megacrystic granite-Weak hem				0.7		3	580	.16	730	.07	18	9	27	36	10	<2	<.02	2.3
3794	SE/SE/18,T7N,R17W		" " "				0.8		31	3500	.48	1200	<.05	22	7	27	20	9	<2	<.02	2.8
3795	"	Prospect Pit	Silicic volcanic (tuff?) in(Tar)limestone				3		4	2100	.22	815	<.05	66	<5	20	10	7	4	<.02	1.7
3796	NE/NE/19,T7N,R17W	In wash	Limey siltstone(Tar)w/siderite vnlts				13		3	180	.09	1500	<.05	458	9	36	32	10	2	<.02	3.9
3797	NE/NE/19,T7N,R17W		5' thick gouge between Tar over Tba				1		3	3200	.33	1400	<.05	43	12	38	29	98	2	<.02	3.3
3798	NW/SE/17,T7N,R17W	Trench	4' vein of bar-fluor cut by black silica and quartz				7		12	3400	.38	1.41%	.11	293	12	41	64	28	7	<.02	3.0

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3799	NW/SE/17,T7N,R17W	Trench	Rubbleized hematitic volcanics below (3798] vein				2		3	3400	.54	3800	.07	50	< 5	26	30	11	< 2	<.02	2.2
3800	"		Yellow brown to red limestone beds entrapped in granite (3901)				2		4	1200	.21	375	.23	89	9	51	134	8	< 2	<.02	4.5
3802	NE/NE/24,T7N,R18W	Bank of wash adjacent to road	Crushed and brecciated zone(sample 10-15' of 25')below Tertiary andesite.Chickenwire				3		5	240	.48	1800	.15	52	5	15	18	11	< 2	<.02	0.9
3803	"		bx w/MnOx,hem,lim, calcite & fluorite As above				0.4		6	380	.47	2100	.07	7	9	19	29	14	< 2	<.02	1.2
3804	SE/NE/24,T7N,R18W		Grab of 3-4' calcite-barite vein. Minor limonite after sulfides				0.1		8	2200	.36	1.31%	.11	51	7	995	14	39	< 2	<.02	4.1
3805	NE/NE/24,T7N,R18W	N. bank of wash	Chalcedony vns and vnlts in andesite				0.6		9	540	.36	650	<.05	20	7	31	53	31	2	.03	2.0
3806	SW/NW/7,T7N,R17W	Dump of shaft, west of road	Brecciated hematized siltstone				8		8	470	.28	.20%	<.05	213	16	27	49	119	7	<.02	1.4
3807	SW/NW/7,T7N,R17W	Shallow cut, west of shaft	Brecciated siltstone, abdt hem & some limonite w/bleaching				3		9	1400	.41	.14%	.11	66	5	25	11	66	< 2	.06	2.4
3808	NE/NE/12,T7N,R18W	Cuttings from Drill Hole BA#5	Extremely hematitic fine sands. of siltstone and arkose(?)				7		16	1000	.38	.21%	.07	146	45	21	69	131	2	<.02	1.6
3837	SW/SE/13,T7N,R18W		Brecciated rhyolite w/chlor-spec, minor Cu,Ba, calcite				48		4	610	.67	.15%	<.05	475	< 5	10	7	<2	4	.03	1.0
3838	"	Prospect pit	Chloritized rhyolite and gneiss w/qtz sid, py and also spec, Cu and barite				206		4	500	.94	.40%	<.05	2270	< 5	11	11	6	3	.59	1.2
3839	SE/SW/18,T7N,R17W	Dump of Old Maid	Bleached & wkly altd quartz por?				1.4		3	700	.07	980	<.05	18	< 5	13	21	< 2	2	<.02	1.2
3841	"	"	Siltstone bx w/calcite & siderite				1.0		2	900	1.17	795	.06	36	< 5	34	41	< 2	2	.06	2.3
3842	"	"	Crushed unconsol. brecciated material possibly qtz porphyry				1.6		3	760	1.18	665	.11	49	5	31	45	< 2	2	<.02	2.5
3843	"	"	Intensely chloritized sheared granite				15		3	1000	.21	.10%	.11	265	5	18	34	2	3	.71	3.8
3844	"	"	Sheared granite, partially replaced by siderite				2.3		3	300	.08	.11%	.08	68	5	29	196	2	3	.08	2.9
3845	NE/NW/19,T7N,R17W	Dump 100 yds.SE of Old Maid	Hematized, bx siltstone and tuff				.6		9	2600	.29	840	<.05	13	< 5	22	38	9	4	.06	2.2
3846	"	Top of Middle Shaft 100 yds SE of OldMaid	Silicified siltstone breccia				.4		6	8100	.96	620	<.05	9	9	20	16	36	4	<.02	1.3
3874B	NW/NW/18,T7N,R17W	Rotary drill cuttings	Dk grn rock (f. gr. hbl. andesite?) w/less red ss and red granite bould cgl				5.3		3	360	.40	1100	<.05	126	< 5	24	149	10	< 2	<.02	2.0
3875	"	"	Red volcanics(?)				7.0		12	2200	.42	840	<.05	112	5	16	34	9	< 2	<.02	1.5
3876	"		Brecciated qtz vein at contact between Trole and Trb red ss.				5.4		8	2500	.55	820	<.05	168	7	31	6	20	2	.03	2.2
3877	"		4" qtz-spec vein in Trb volcanic cobble conglomerate				54		55	2700	.36	505	<.05	1040	5	20	19	11	2	.63	1.8
3878	NE/NE/13,T7N,R18W	Next to shaft	12" qtz-spec-chargs-barite in T volcanics				327		46	230	.04	445	.06	7200	8	22	<5	5	4	.11	1.7
3879	SE/NW/18,T7N,R17W	Small outcrop in valley	V. cherty thin bdd orange brn limestone (Tar?)				"		17	690	.10	400	.12	474	91	42	13	70	2	.03	4.4
3880	NW/NE/18,T7N,R17W	On ridgeline	Red volcanic-derived seds.				3.3		1	3600	.82	2200	<.05	76	< 5	23	39	3	< 2	.03	2.0

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3881	NW/NE/18,T7N,R17W	In saddle	Vein of f.g. qtz,calcite, chalcedony in brecciated volcanic derived ss.				48		2	1900	.20	390	<.05	917	<5	19	18	7	2	<.02	1.5
3882	SE/NW/18,T7N,R17W	In deep wash	Red volcanic ss overlying brecciated cobble conglomerate				1.5		4	700	.24	790	<.05	29	<5	19	64	10	2	<.02	1.8
3883A	SW/NE/18,T7N,R17W	N side of dozer cut hill.N side of rd	Dense white qtz(feld?) rock w/small black spots.Alters to mica schist near flts				.2		1	140	.09	1900	<.05	<5	<5	21	<5	13	2	<.02	1.6
3901	NW/SE/17,T7N,R17W		Foliated granite				1		2	3800	.11	860	.07	23	<5	24	54	2	<2	<.02	2.1
3902	SW/NE/17,T7N,R17W	40' shaft	Red broken andesitic volc cut by barite-fluorite vns				18		7	2900	.38	2200	<.05	580	5	32	31	5	2	<.02	3.6
3903	"		Sheared lineated granite. Hem on joints				3		4	490	.09	715	<.05	65	<5	26	10	8	2	<.02	2.2
3904	NE/SW/17,T7N,R17W		10'x10' qtz pod in granite. Cut by hem vns				0.8		3	3800	.46	4000	<.05	20	<5	25	<5	5	2	<.02	2.5
3905	"	Trench	Tuff. volc(of Tar)in flt above granite few ½-3" qtz vns, barite on joints				0.7		3	3600	.43	1100	.07	29	5	44	28	4	4	9.29	4.5
3906	NE/SW/17,T7N,R17W		Sheared crs grained megacrystic granite below "low angle flt". Cut by hem vns				0.2		3	3600	.43	1200	<.05	<5	<5	22	19	3	<2	.04	2.8
3907	"		Wkly sheared, bleached tan to purple silicic volcanic tuff (in Tar)				5		2	2000	.32	780	.07	161	<5	33	6	14	4	<.02	3.3
3908	"		Tan to orange-brn weathering hematitic silty limestone				1		6	2100	.23	815	.11	36	32	33	10	238	<2	<.02	4.0
3909	NW/SW/17,T7N,R17W		" " "				8		6	3200	.50	1200	.11	284	28	34	18	217	<2	<.02	3.6
3910	"		Lt gy phyllite-mica schist				0.6		11	430	.06	990	<.05	<5	<5	9	<5	<2	2	<.02	0.9
3911	"		Silicified limestone bx w/occ quartz vein				1		2	610	.07	490	<.05	38	<5	34	15	4	2	<.02	2.7
3912	"		Red broken Ta volcanics				2		4	1900	.21	2000	.11	31	<5	20	29	4	<2	<.02	2.3
3913	SW/NW/17,T7N,R17W		Brecciated, sheared hematitic Ta volcanics				3		4	2000	.22	2100	.07	75	9	22	19	81	<2	<.02	2.2
3914	"		Lt gy mica schist cut by abdt qtz-spec-bar vns				0.8		4	3400	.56	1800	.07	<5	<5	6	8	3	3	<.02	1.0
3915	NW/SW/17,T7N,R17W		Red volcanic conglomerate. Tr hem vns				0.4		2	260	.07	1400	.11	<5	<5	14	14	5	3	<.02	1.2
3916	NW/SE/17,T7N,R17W		Red and purple f. gr. sandy volc conglomerate cut by barite vns				0.5		21	4700	.52	5100	.19	7	<5	15	23	10	4	<.02	1.3
3917	"		4' barite vn - rebroken and silicified				0.3		7	2600	.42	1.09	1.02	222	6	745	2000	18	2	.09	6.5
3918	"	15' shaft	Dusky olive-grn f.g. volcanic cut by barite vns and qtz vns				392		43	3500	.40	5800	.23	5880	<5	15	43	11	4	.03	2.0
3919	SW/SE/17,T7N,R17W		2" bar-chrys-qtz-hem vein				42		12	1600	.18	3800	.15	885	<5	21	32	7	4	<.02	1.2
3920	NW/SE/17,T7N,R17W		Varicolored volc. conglomerate cut by bar-spec-hem vns				9		5	340	.08	4600	.15	185	<5	20	36	4	2	<.02	1.5
3921	SE/NE/17,T7N,R17W	15' bank on side of wash	Red volcanic-derived unconsolidated basin fill sediments-15' channel spl.				7		5	360	.07	2200	.19	169	6	25	54	34	<2	.03	1.9
3922	SE/NW/17T7N,R17W		Arkose(Tba) with hem-calcite vns				0.4		10	480	.11	1400	.27	<5	<5	14	22	18	<2	.03	1.1

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SAMPLE LOG

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	LEGAL	GEOGRAPHIC	LITHOLOGY AND MINERALIZATION	U_3O_8	eU	eTh	Cu/Pb		W[3]	Acid Sol Ba[2]	Total Ba %[2]	F[2]	Hg[2]	Cu[3]	Mo[3]	Pb[3]	Zn[3]	As[3]	Sb[3]	Au[3]	Ag[3]
3923	SE/NW/17,T7N,R17W		Salt and pepper colored diabase(?) lense in granite				9		1	280	.04	955	.32	119	<5	14	54	5	2	.05	1.6
3924	SW/NW/17,T7N,R17W		Sheared, brecciated, red hematitic f.g. volcanic				17		5	110	.08	1200	.27	183	5	11	25	90	< 2	< .02	1.7
3925	"		Lt. grey silicic ash tuff in Fw of low angle flt. Crackle bx-hem vns				2		10				.30	36	110	19	7	169	2	< .02	1.2
3926	Nw/NW/17,T7N,R17W		Lt. tan weathering cherty silty limestone w/hem vns				3		2				.20	101	7	33	12	68	2	.03	3.0
3927	NE/NW/17,T7N,R17W		Fault zone at base of Tba hematite replacement w/occ barite				8		4				.10	145	5	19	24	3	2	< .02	1.0
3928	NW/NW/17,T7N,R17W?		Lt gry to grnish gy arkose (Tba) cut by hem-spec-chrys-malachite in Fw of flt				503		2				.27	1.86%	5	37	20	3	4	.62	1.4
3929	"		Arkose (Tba) w/barite-hem vns				7		4				< .05	121	< 5	18	13	7	2	.07	.08
3930	SE/SW/8,T7N,R17W		Hem-spec-chrys-qtz veins in granite				59		5				< .05	1290	< 5	22	11	9	4	.05	1.2
3931	SE/SW/8,T7N,R17W	200' N20°E of 174/154 end ctrs	Hem-specularite veins which cut granite (3933) and (3932)				12		4				< .05	351	9	30	62	14	3	< 0.2	1.4
3932	"	"	Milky white quartz veins cutting granite N45°E vertical (3933)				3		3				< .05	34	6	13	5	2	2	< 0.2	0.7
3933	"	"	Pink megacrystic granite w/wkly developed mica foliation N88°E, 37°S				14		3				< .05	216	< 5	16	17	4	3	< .02	1.3
3934	SW/NW/17,T7N,R17W	500' N42°E to 153/154 E. ctrs	Limestone bx (Tar) and silicated hematitic limestone. Bar on jts N19°E, 18°W(LS)				10		3				.07	443	29	45	11	187	3	< .02	3.0
3935	"	850' N45°E of 155/156 end ctrs	Megacrystic granite w/clay altd plag. Mod hem vning				2		3				< .05	44	< 5	18	9	6	4	< .02	1.4
3936	NE/SW/17,T7N,R17W		Silicified hematitic chery limestone and andesite(?) inclusion within granite				1		1				.30	52	< 5	40	53	15	< 2	< .02	2.2
3937	SW/SE/8,T7N,R17W		Grey Med 2' bdd cherty limestone				8		2				.14	417	6	52	12	18	2	< .02	4.1
3938	NW/SE/8,T7N,R17W		Red-brn to black vesicular volcanic with bar vns				3		2				.14	64	< 5	26	44	7	< 2	< .02	2.1
3939	"	175' S32°W to 185/175 E. ctrs	White to pink brecciated arkose (Tba) at contact with Ta				27		8				.07	763	5	28	17	10	6	< .02	1.9
3940	"	100' N66°E to 177/183 E ctrs	White tale-muscovite schist				0.4		2				< .05	12	< 5	29	10	18	2	< .02	1.3
3941	SE/SW/8,T7N,R17W	200' N33°E to 185/176 E ctr. In wash	Red hem veined megacrystic granite				0.4		2				.07	7	< 5	18	13	4	< 2	< .02	1.2
3942	NE/SW/8,T7N,R17W		Red vesicular volc. flows cut by crsly crystalline bar-fluorite vns (¼-12")				3		7				.10	122	5	36	19	6	3	< .02	2.8
3943	"	50' NW of 186/175 Ectrs	Pink wkly sheared megacrystic granite with hem-spec vens				0.3		3				.07	<5	< 5	20	9	6	2	< .02	1.1
3945	SE/SE/7,T7N,R17W	3945-3949 All same loc. in wall of wash	Bouse arkose cut by spec-hem-barite-chrys. and minor qtz.				174		37	3900	.06	1200	.11	2950	16	17	14	54	7	< .02	1.6
3946	SW/SW/8,T7N, R17W		Selected ½" qtz spec vens in Bouse arkose (3949)				22		12				.10	402	6	18	12	34	2	1.34	1.1
3947	"		Selected ½"-3"barite veins which cut older qtz vns (3946) in arkose (3949)				10		7	190	.07	6100	.12	282	<5	28	17	3	4	.06	1.6
3948	"		Hem-spec vns which cut older vnlts (3946,47) in arkose (3949)				4		5	100	.08	2200	< .05	229	<5	60	11	8	2	<.02	1.7

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	LEGAL	GEOGRAPHIC	LITHOLOGY AND MINERALIZATION	U_3O_8	eU	eTh	Cu/Pb		W[3]	Acid Sol Ba[2]	Total Ba %[2]	F[2]	Hg[2]	Cu[3]	Mo[3]	Pb[3]	Zn[3]	As[3]	Sb[3]	Au[3]	Ag[3]
3949	SW/SW/8,T7N,R17W		Selected "unveined and unstained pale grnish gy Bouse arkose"				2		8	470	.08	1400	<.05	42	< 5	22	8	2	2	<.02	1.3
3950	NE/SW/8,T7N,R17W	Dozer cut, 75' SSE of 174 NW cor.	Red hem vned, white clay altd granite w/abundant irregular spec vns				2		5	140	.07	980	<.05	24	< 5	15	17	15	2	<.02	2.0
3951	NE/NE/18,T7N,R17W	Junction of road and wash, E of(2156)	Calcite-fluorite vns in limey siltstone				2		3	1300	.19	3000	<.05	40	< 5	26	24	5	< 2	<.02	2.4
3952	SE/NE,18,T7N,R17W		Vesicular andesitic(?) volcanics w/MnOx				3		1	560	.25	1200	.05	71	< 5	25	35	2	< 2	<.02	2.8
3953	"	50' SW of NW cor 147 on hillside above wash	Red hematitic volc.-derived sandstone cut by 1-3" brecciated faults				15		1	580	.12	1400	.07	406	5	28	85	< 2	< 2	<.02	2.2
3954	SW/NE,18,T7N,R17W	At 143/144/145/146	Brecciated boulder conglomerate				9		4	360	.06	1100	<.05	157	< 5	18	25	4	< 2	<.02	2.0
3955	NE/NE/18,T7N,R17W		White mica schist				3		3	1000	.12	810	<.05	65	< 5	23	40	< 2	2	<.02	1.6
3956	"		Botryoidal chalcedony vnlts cutting andesitic agglomerate				0.8		2	3800	.42	1000	<.05	23	< 5	28	66	5	< 2	<.02	3.0
3957	SE/NE/18,T7N,R17W	85' N30°E to 147/148/149	Vuggy crystalline qtz-spec vns in mica schist				3		2	250	.24	1100	<.05	54	< 5	20	49	4	3	<.02	2.1
3958	SE/NW,18,T7N,R17W	50' W of 137/138/139/140 Dump of 40'shaft	Red andesitic agglomerate w/hem and spec. veins				7		2	80	.04	1200	.10	171	7	25	26	6	< 2	<.02	2.8
3959	SW/NW/18,T7N,R17W	Ridgetop	"				9		217	6600	1.03	1100	.05	217	6	25	11	3	< 2	<.02	3.0
3960	"		White quartz ± calcite vein cutting earlier specularite vein (3959)				10		45	6000	.75	1800	.05	292	< 5	30	9	3	< 2	<.02	3.0
3962	NW/NE/19,T7N,R17W	200' NE of S. end ctr 108	Siderita-lim-spec. veins & qtz veins in dk grn chl. mica schist				0.1		8	1100	.12	1400	.10	5	13	44	36	6	2	.69	3.6
3963	"	"	Sidr-hem-spec vns in dk green chloritic mica schist				0.2		21	1100	.14	1400	.07	7	21	40	74	7	< 2	.02	3.8
3964	NW/SE/18,T7N,R17W	700' N of 107/109/108/110	Red hem stained grey xl tuff w/hem-sid. vns				0.2		1	390	.18	7600	.05	<5	< 5	27	13	7	< 2	.02	2.5
3965	SW/NE/13,T7N,R18W	180' W of 2/4 in W wall of wash	Diabase(?)				1		<1	560	.14	1400	.05	30	< 5	34	61	< 2	< 2	.03	3.2
3966	SE/NE/13,T7N,R18W	E wall of wash 50' E of (3965)	Red hematitic vesicular volcanic				0.7		2	380	.06	1100	.10	18	5	27	35	3	< 2	<.02	0.9
3967	SW/SE/12,T7N,R14W	50' NE of 3/4 end ctrs	4' thick red jasper vein in diabase(?)				2		2	6400	.68	575	.10	48	6	23	22	6	< 2	<.02	1.6
3968	"	"	v. dk gry diabase (?) w/occ. hem vn				3		1	1800	.31	635	<.05	58	5	22	136	20	< 2	<.02	1.5
3969	NW/NE/13,T7N,R18W	500' S of 3/4/5/6	Red hematitic vesic. volc.w/bar vns				3		1	7500	.90	520	.10	73	< 5	22	34	6	< 2	<.02	1.7
3970	SW/NW/7,T7N,R17W	750' deep shaft SE cor 25	volcanics & arkose on dump of shaft				2		3	420	.06	775	.07	30	6	14	15	6	4	.02	0.6
3971	"	dozer cut SE cor 25	Chrys-spec-hem in fault. Ta(Hw), db(?) (FW)				563		20	6400	.98	1100	.10	1.69%	41	30	30	127	3	.04	1.9
3973	SE/NE/19,T7N,R17W		Red hem limest. interbdd with volc. strong hem/spec vns				2		4	3700	.48	830	.12	70	18	35	42	308	< 2	.03	3.7
3974	SE/NE/19,T7N,R17W		Calcite cemented limestone/qtzt bx (probably caliche cemented talus)				1.1		2	2500	.76	525	<.05	48	8	42	16	40	< 2	<.02	4.2
3975	"		Gneiss (below 3974)				1.9		2	140	.08	560	<.05	47	< 5	25	75	< 2	2	<.02	2.2

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3976	SE/NE/ 19, T7N, R17W		Wh crystal tuff				1.2		1	440	.09	1500	<.05	25	< 5	20	13	14	< 2	<.02	2.1
3977	"		Gypsum, limestone and fault gouge				.9		2	160	.02	1900	.06	39	12	45	28	64	< 2	<.02	3.9
3978	NE/NE/19, T7N, R17W		Lt gry pbl conglomerate (Tba)				.3		5	670	.22	895	<.05	6	16	23	19	2	< 2	.08	2.3
3979	"		Orange brn silty (Tar) limestone w/abdt siderite, minor specularite				7.0		42	350	.06	925	<.05	225	155	32	29	7	< 2	.03	3.7
3980	"	Hilltop, N of major wash	Purple amygdaloidal volc. (Tba?) on gneiss. Str siderite				25		4	1500	.24	705	<.05	971	20	37	22	45	3	<.02	3.9
3981	SE/NE/19, T7N, R17W	225' up wash from 3979	Gneiss w/lim-pseud after py				.7		3	140	.10	746	<.05	11	5	16	16	3	< 2	.03	2.0
3982	SW/NE/19, T7N, R17W	N10°W to Iron King pits	"				1.2		2	90	.12	1200	<.05	10	< 5	8	12	< 2	5	<.02	0.6
3983	NW/NE/19, T7N, R17W	10' deep prospect pit on ridge	Hem-spec-limonite after py in fault/vn qtz in gneiss				1.4		8	620	.11	1300	.59	16	11	11	11	8	2	2.70	1.6
3984	SW/NE/19, T7N, R17W	In wash	Gneiss w/siderite, hem after py and numerous specularite veinlets				1.8		4	330	.08	1800	<.05	29	< 5	16	10	3	< 2	<.02	1.6
3985	"	475' up wash (W) of 3984	Bx qtzite and gneiss in low angle structure				1.9		4	520	.15	1500	<.05	21	< 5	11	17	< 2	2	<.02	0.9
3986	SE/NW/19, T7N, R17W	1000' W of 3984	Gneiss w/barite and siderite vnlts				1.3		21	1400	.40	1400	<.05	23	5	18	54	3	< 2	<.02	1.6
3987	"	N-S ridge W of 3986	12" grity ls. N6°E 29°W in gneiss				.7		4	3500	.49	435	.12	20	11	30	51	4	< 2	.03	3.1
3988	"	"	Gneiss above Ls w/spec. vnlts				.6		3	650	.13	400	<.05	<5	< 5	9	11	< 2	< 2	<.02	0.7
3989	NE/NW/19, T7N, R17W	Wash N of road	Gneiss w/specularite and barite vnlts				.5		2	3700	.67	925	<.05	8	< 5	15	42	4	< 2	<.02	1.0
3990	NW/NW/19, T7N, R17W		Megacrystic granite below fault w/sider. & lim. after pyrite				1.0		1	190	.24	725	<.05	12	< 5	12	74	< 2	< 2	<.02	0.9
3991	"		Cherty Ls w/siderite and hematite vnlts chalcedony in vugs above fault				.6		1	2000	.27	335	.09	28	7	48	40	3	< 2	<.02	3.2
3992	"	Shaft	Bull qtz in megacrystic granite w/bx veins recemented by siderite				4.5		5	300	.084	565	1.28	77	9	17	97	7	4	22.05	8.0
3993	NE/SE/13, T7N, R18W	Hilltop N of shaft	Volcanics w/barite-fluroite veins				62		4	2600	.27	4800	.20	869	9	14	22	2	2	.62	1.3
3994	"	Shaft dump	Volcanics w/hematite stain				6.4		3	2200	.40	590	.17	103	7	16	62	<2	< 2	<.02	1.7
3995	"		Mega bx w/schist and gneiss				3.3		4	380	.16	305	<.05	49	7	15	88	2	< 2	.03	1.2
3996	"	Trench	Volcanics w/barite-quartz veins				380		32	3000	.36	1600	<.05	6460	12	17	48	6	3	.03	1.3
3997	"	125' SE of N end center #79	Volcanics w/barite-qtz and red hem veins				13		3	3200	.60	620	.14	182	5	14	39	4	< 2	<.02	2.0
3998	"	30' W of "	Mega bx and vessicular volcanics				2.1		3	800	.25	500	.06	44	6	21	44	4	4	<.02	1.5
3999-A	"	250' W of "	Mega bx w/schist, gneiss and quartz				.2		2	300	.16	790	<.05	6	8	25	65	3	< 2	<.02	1.1
4000-B	NW/SE/13, T7N, R18W	50' SW of N end center #81	Mylonite w/alt. schist and gneiss				.5		3	220	.10	1100	<.05	< 5	< 5	10	6	6	2	.05	0.9

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4001	NW/SE/13,T7N,R18W	In wash 50'N of end ctr 83/81	Volcanics, red, bx, FeOx stain				1.7		2	480	.23	2000	.05	46	< 5	27	23	13	2	<.02	1.8
4002-A	"	145' NW of N end ctr LAP 83	Drill cuttings; segregated piles of purple fig. volcanics				1.4		2	180	.20	1800	<.05	33	< 5	24	46	12	2	<.02	1.2
4002-B	"	"	Large pile of cuttings purple and red volcancis				2.1		2	240	.20	1100	<.05	49	< 5	23	32	16	2	<.02	1.3
4003	"	S. of drill hole	Quartzite within volcanics				16		2	4100	.56	280	<.05	218	< 5	14	16	23	< 2	<.02	2.3
4004	SW/NE/13,T7N,R18W	100' SW of NW cor Lap 67	Vein zone trending due N w/chrysocolla, malachite, spec. barite and FeMnOx				1425		7	3000	.77	390	<.05	1.71%	< 5	12	17	14	4	<.02	1.6
4005	"	20' E of NW cor Lap 67	Volcanics w/barite, specularite and FeOx				29		6	1200	.17	410	<.05	382	< 5	13	17	9	2	<.02	2.2

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CORN & AHERN
CONSULTING GEOLOGISTS
TUCSON, ARIZONA

PROSPECT Bouse Project

COUNTY La Paz STATE Arizona

SAMPLE LOG

SAMPLE NUMBER	LOCATION		DESCRIPTION	RADIOACTIVE ELEMENTS			PATHFINDER ELEMENTS							BASE METALS				SULFO-SALTS		PRECIOUS METALS	
	LEGAL	GEOGRAPHIC	LITHOLOGY AND MINERALIZATION	U_3O_8	eU	eTh	Cu/Pb		W [3]	Acid Sol Ba [2]	Total Ba % [3]	F [2]	Hg [2]	Cu [3]	Mo [3]	Pb [3]	Zn [3]	As [3]	Sb [3]	Au [3]	Ag [3]
4006-A	SE/NE/13, T7N, R18W	Rotary Drill Hole	Red volcanics w/abndt chrysocolla and spec. fines from cyclone						3	2800	.54	825	<.05	885	< 5	14	36	5	2	.06	2.2
4006-B			Cut from west side of pile						3	3600	.41	1700	<.05	1090	< 5	15	34	4	2	.05	2.0
4006-D			Cut from east side of pile						4	2200	.66	500	<.05	751	< 5	15	31	7	2	< .02	2.0
4007-A	" "	250' S.E. of	Quartz-chrysocolla-malachite-specularite barite vein in mica schist						56	460	.19	400	.05	2.56%	8	15	6	12	3	.17	2.1
4007-B		N.E. Cor. Lap 6	Amathystine qtz vein w/chrysocolla and hematite						22	120	.040	290	<.05	2.07%	5	8	5	< 2	3	.27	1.8
4008	" "	Drill hole 230' NE of NE Cor. Lap 67	Volcanics and schist, bx w/clay alt and limonite staining						3	1200	.39	625	.15	393	< 5	16	36	2	< 2	< .02	2.2
4009	" "	Old Mill Site	Tailings						3	1400	.42	1100	.12	172	5	55	68	10	< 2	< .02	2.0
4010	"	Ridgetop 50' W of Rd	Megacrystic granite in Megabx.						5	800	.18	605	<.05	19	< 5	12	8	2	< 2	< .02	1.7
4011	NE/NE/13, T7N, R18W	340' S 28°E of SW Cor Lap 191	Amathyst qtz vein in granite megabx.						36	3900	.51	930	<.05	203	6	11	8	4	< 2	.02	1.8
4012	" "	At bend in wash	Qtz vein in red volcanic cgl						49	3500	.39	2100	<.05	36	11	13	8	4	< 2	< .05	2.0
4013	" "	At bend in wash	Red andesite truncates qtz veins						7	3900	.54	740	<.05	331	5	17	60	7	2	< .02	2.5
4014	" "	In wash E of 4013	Hematite cemented megabx.						2	1100	.26	490	<.05	98	< 5	13	15	4	< 2	< .02	1.8
4015-B	SW/NW/18, T7N, R17W	S.E. Cor Lap 191	Megacrystic gr and schist bx.						4	310	.12	500	<.05	55	< 5	19	12	2	2	< .02	0.8
4016	" "	on ridge S. of SE Cor Lap 191	Foliated schist w/qtz vein						3	450	.11	415	<.05	28	< 5	20	61	2	< 2	< .02	1.0
4017	" "	On ridgetop SE Cor Lap 191	Pebble cgl w/hematite cement						3	2700	.54	2200	<.05	123	< 5	18	15	5	< 2	< .02	1.9
4018	" "	" "	Amathyst qtz-spec vein						104	510	.060	400	<.05	30	11	10	7	2	< 2	< .02	1.1
4019	" "	" "	Schist/granite boulder cgl.						5	810	.25	1300	<.05	20	< 5	11	10	3	< 2	< .02	0.9
4020	" "	150'E of S¼ Cor. Sec. 18	Qtz vein in volcanics						5	250	.037	1.2%	<.05	298	5	9	10	5	3	< .02	1.0
4021	" "	SE of Loc Mon SW Cor. Lap 191	Fluorite vein in volcanics						2	4500	.50	>3.0%	<.05	61	6	28	8	< 2	2	< .02	2.8
4022-B	NE/NE/13, T7N, R18W	N slope of hill	Qtz-spec-barite vein in granite/schist megabx.						144	3500	.37	1.0%	.15	303	18	29	25	20	2	< .02	1.4
4023	" "	on hill top	Granite/schist agglomerate						4	2200	.43	725	.19	85	< 5	11	5	6	2	.02	0.7
4024	" "	Shaft 450'SE of SE Cor. Lap 191	Qtz-spec-barite in granite/schist						19	4200	.37	750	.05	1200	7	12	10	4	2	.60	1.4
4025	" "	350'S to SE Cor Lap 191	Bx. xline. qtz vein						4	5500	.61	1000	.12	113	12	10	7	9	2	.42	1.0
4026	" "	120' SE of SW Cor Lap 191	Volcanic mudstone w/gr. cobbles						5	5800	.61	655	<.05	259	12	23	30	12	< 2	< .02	2.6
4027	SE/SE/12, T7N, R18W	Trench and shaft	Fault bx between siltstone and cgl.						4	970	.27	615	<.05	69	< 5	20	37	16	2	< .02	1.0

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TUCSON, ARIZONA

PROSPECT Bouse Project

COUNTY La Paz STATE Arizona

SAMPLE LOG

SAMPLE NUMBER	LOCATION		DESCRIPTION	RADIOACTIVE ELEMENTS			PATHFINDER ELEMENTS							BASE METALS				SULFO-SALTS		PRECIOUS METALS	
	LEGAL	GEOGRAPHIC	LITHOLOGY AND MINERALIZATION	U_3O_8	eU	eTh	Cu/Pb		W[3]	Acid Sol Ba[2]	Total Ba %[2]	F[2]	Hg[2]	Cu[3]	Mo[3]	Pb[3]	Zn[3]	As[3]	Sb[3]	Au[3]	Ag[3]
4028	SE/SE/12, T7N, R18W	256 N of SE Cor Sec. 12	Granite/Schist cgl.				2.6		2	270	.007	940	<.05	52	< 5	20	8	11	2	<.02	0.9
4029	" "	140' NE to N end ctr Lap 190	Amathyst-Spec. vein w/barite				20		80	2800	.30	365	<.05	201	< 5	10	<5	5	< 2	.09	1.0
4030	SE/SE/12, T7N, R18W	335' SE of N end ctr Lap 190	Shattered f.g. volcanics				24		2	3800	.65	740	<.05	606	< 5	25	107	7	2	<.02	1.2
4031-A	"	Open cut 500'S of Bicycle Wheel Mine	Shattered red f.g. volcanics				12		3	1100	.55	1200	<.05	349	< 5	28	242	30	2	<.02	1.8
4032-B	SE/NE/13, T7N, R18W	450' up wash from jct	Veins of chrysocolla, hem. spec				262		12	3700	.69	800	<.05	.31%	< 5	50	43	4	2	5.03	1.9
4033	NE/SE/13, T7N, R18W		Hem. repl. Ls in volcanics				1.6		8	3500	.55	680	.42	178	36	109	45	41	< 2	<.02	3.6
4034	" "		Vuggy broken qtz-barite vein				2.3		1	4400	.54	845	<.05	108	< 5	47	8	4	2	<.02	1.0
4035	" "	Next to 4034	Hematite stained basalt				6.2		3	2500	.76	460	<.05	191	< 5	31	61	18	2	<.02	2.7
4036-B	SE/SE/7, T7N, R17W	Small Ridge	Gr cut by E-W Spec. vnlts w/local qtz						5			1200	<.05	29	< 5	12	33	< 2	2	<.02	1.1
4037-A	SW/SE/7, " "		Tba cut by N50°W braided spec. vnlt						9			1200	.05	435	< 5	23	37	3	2	<.02	0.9
4037-B			Tba Arkose cut by numerous spec. vnlts						4			1100	.08	229	< 5	19	19	2	< 2	<.02	0.5
4037-C			Tba dark arkose, minor atl, few vnlts						3			1800	.05	1020	< 5	17	21	4	3	.14	0.6
4038	SW/SE/7, " "	Hill N of Road	Tvs volcanic, f.g. hem. stained						6			715	.08	349	5	25	53	24	< 2	<.02	1.2
4039	SW/SE/7, " "	25' E of Road	Tvs cgl w/ secondary silica and carbon.						4			685	.08	20	< 5	13	8	< 2	< 2	<.02	0.4
4040	SW/SE/7, " "	150' N 45°W of N end center Lap 144	Tba coarse angular frags. of tuff						2			755	.05	6	< 5	13	8	< 2	< 2	<.02	0.4
4041	SW/SE/18, " "		Dike 3' rd-brn N40°W in f.g. gneiss						2			1400	.05	24	< 5	62	121	7	< 2	<.02	1.8
4042	NE/NW/19, " "	S of Old Maid	Pz gray cherty thick bedded Ls						< 1			490	.08	24	5	37	17	< 2	< 2	<.02	2.6
4043-A	SE/NE/24, T7N, R18W		Pz qtzite and Ls						2			550	.24	38	< 5	39	20	2	2	<.02	2.2
4043-B	" "		Ti lt. gray qtz-feldspar intrusive						2			810	.05	13	< 5	18	15	< 2	< 2	<.02	0.9
4044	NE/NE/23, T7N, R18W		Mzs qtzite w/f.g. py and hem. coating						6			440	.08	14	6	23	25	25	3	<.02	0.8
4045-A	C-SE/26, " "	Shaft	Vein 3' N40°W, 35°N, barite, hematite, chrysocolla in sid.alt.mica schist						4			455	.08	5270	10	34	69	10	< 2	<.02	2.0
4046	NW/SE/23, " "	Prospect W of Road	Mzs qtzite bx w/hem. sid. spec matrix in fault contact w/mica schist						4			2.41%	.10	50	10	57	27	26	2	<.02	2.4
4047	SE/SW/20, T7N, R17W	Dark Horse Mine	Tv barite-MnOx veins and repl.						5			5100	.13	378	15	2800	438	29	4	<.02	2.7
4048-A	NW/SW/20, " "	Dump sample	Gn sericitized w/white qtz. veins						12			2300	<.05	1210	< 5	32	15	24	3	.80	1.0
4048-B	" "	E of shaft	Pz Ls brn, weathered, w/qtzite & qtz veins						2			2400	<.05	333	< 5	65	27	< 2	2	.06	2.6

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SAMPLE LOG

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4048-C	NW/SW/20, T7N, R17W	50' E of shaft	Sch mica schist						2			700	<.05	102	<.5	32	16	< 2	< 2	<.02	1.2
4049-A	SW/SE/19, " "	Incline	Pz Ls, dk brn w/CuOx						3			2100	<.05	54	5	27	61	< 2	< 2	<.02	1.7
4049-B	" "	Dump	High grade dump- stick pile Cu Ox						5			1600	.13	1.27%	17	41	60	< 2	3	11.4	1.5
4050-A	C/NE/19, " "		Mzs orange-tan Ls						4			525	.24	39	15	37	64	< 2	< 2	<.02	3.7
4050-B	" "		Mzs dk gray foliated argillite						25			1600	.08	12	7	17	35	< 2	< 2	<.02	1.8
4051-A	SE/NW/19, " "		Qtz vein, 3' milky white qtz w/sericite						7			390	.08	14	15	13	9	8	< 2	<.02	1.2
4051-B	" "		Ti qtz feldspar porphyry						4			775	<.05	10	< 5	11	8	< 2	< 2	<.02	0.9
4051-C	" "		Mzs Ls and qtzite at Ti contact						8			660	<.05	8	5	11	11	< 2	< 2	<.02	1.3
4052	SE/NW/19, " "	Hill	Mzs qtzite, gray, thin bedded						5			810	.05	32	5	12	10	< 2	< 2	<.02	0.9
4053	C/NE/24, T7N, R18W	Gap on ridge	Pz cherty ls						43			480	.29	568	24	31	20	10	< 2	<.02	3.8
4054	NE/NW/19, T7N, R17W	75' SW of shaft	Mzs sericitized meta quartzite						7			705	.08	14	5	11	41	2	< 2	<.02	1.3
4055-A	NE/SE/24, T6N, R17W		Fault bx 3' carbonate-specularite zone						3			2100	.13	194	10	17	39	8	< 2	<.02	1.6
4055-B	" " "		Vein high grade pile qtz-siderite						6			540	.08	3970	21	37	12	11	4	3.93	5.4

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4156	NENE 24, T7N, R18W	Gulch near SE Cor Lap 82	Pyritic altd. latite por. cngl or breccia						2	1400	.52	860	<.05	37	5	13	15	6	<2	<.02	1.1
4156-A	" "	"	Similar, with less intense alt., cut by thin CO_3 & barite vlts.						2	810	.26	965	.07	66	5	17	18	9	<2	<.02	1.1
4157	NENE 24, T7N, R18W	Gulch near SE Cor Lap 82	Chloritized PC with bl. calcite and barite at contact w/ Tertiary seds.						4	1100	.29	705	<.05	48	31	45	16	8	<2	<.02	3.8
4157-A	" "	"	Hematitic, CO_3-rich brecciated siltst 20-50' above PC						2	850	.40	1.64%	.62	32	13	35	36	29	<2	<.02	3.4
4158	NENE 24, T7N, R18W	Ridge near SE Cor Lap 82	Dark intensely chloritized PC metamorphics						1	600	.10	1400	<.05	19	<5	21	23	<2	<2	<.02	1.3
4159	NENE 24, T7N, R18W	North hill side S of SE SE Cor Lap 82	50-100' wide zone of weak pyritic-chloritic alt. PC met.						9	400	.08	645	<.05	24	7	14	6	<2	<2	<.02	0.9
4159-A	" "	"	1 ft. wide chlorite-pyrite breccia zone						2	400	.11	805	<.05	11	7	15	16	<2	<2	<.02	0.9
4160	NENE 24, T7N, R18W	Old val. pit near SE Cor Lap 82	Bleached cobble cngl. CO_3; indistinct rubble - w/CO_3 seams						3	100	.30	1400	<.05	53	7	25	24	91	<2	<.02	1.4
4162	NWNW 19, T7N, R17W	Shaft 500' SE of Old Maid	Brecciated qtzite on dump.						8	200	.69	810	<.05	28	7	37	16	27	3	.03	1.0
4163	W Ctr line Sec. 19, T7N, R17W	Cut and adit on ridge	Sample across 20' of chloritic bx PC aplite and metamorphics in NW-trending shear.						3	640	.25	790	<.05	4200	<5	47	10	<2	3	.03	4.8
4163-A	" "	"	Adjacent 30' of sheared mets. exposed in road cut						2	330	.10	865	<.05	1690	<5	15	6	<2	2	.08	1.4
4164	NWNE 24, T7N, R18W	North bank of Wash	20-50' thick subhor. pyritic zone in PC metarhyolite?						2	100	.055	1200	<.05	10	<5	12	<5	<2	<2	<.02	0.9
4164-A	" "	" 500' down wash to NW	20' of Chl. Bx below pyritic zone						2	140	.078	645	<.05	20	<5	22	18	<2	<2	<.02	1.3

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	LEGAL	GEOGRAPHIC	LITHOLOGY AND MINERALIZATION	U_3O_8	eU	eTh			W [3]	Acid Sol Ba [2]	Total Ba % [2]	F [2]	Hg [2]	Cu [3]	Mo [3]	Pb [3]	Zn [3]	As [3]	Sb [3]	Au [3]	Ag [3]
4172	SWSE 12, T7N, R18W	Old Val. Hole BA-6	Dark hematitic siltst. adjacent to collar of hole						11				.09	248	21	71	217	< 2	3	< .02	1.7
4172-A	" "	"	Hematitic cuttings peripheral to collar of hole						10				< .05	226	19	57	191	53	3	< .02	1.6
4172-B	" "	"	Light colored cuttings of bleached tuff and siltstone						24				< .05	222	19	38	95	52	< 2	< .02	1.7
4172-C	" "	"	Pile of mixed light colored and hematitic fines.						15				< .05	427	34	40	132	88	< 2	< .02	2.0
4173	Center Sec. 13 T7N, R18W	Small exp. and val. pit	Red sheared siltst cut by qtz-barite-Mn calcite vlts.						7				< .05	2190	< 5	15	17	10	2	< .02	1.3
4173-A	" "	"	Select sample of qtz-barite siderite vein.						5				.07	372	< 5	15	13	12	< 2	.50	1.2
4174	Center Sec. 13 T7N, R18W	Shaft 120' S of NW Cor. Lap 67	Select sample from 1-3' wide qtz-barite-py and chpy vein.						3				< .05	2.7%	7	14	20	< 2	3	3.23	1.3
4174-A	" "	Val. pit 100'W of shaft - 4174	Sample across 15' of altd. volc. bx or cngl. - thin qtz-barite vlts.						6				.07	1390	< 5	13	26	7	2	< .02	1.3

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BOUSE PROSPECT

La Paz County, Arizona

Exploration Potential: The Bouse Prospect offers favorable exploration potential for gold in steeply-dipping veins and elongate sheared and brecciated zones within and above thick, sub-horizontal, tectonic breccias in a detachment - type geologic environment. The epithermal gold mineralization is associated with amythestine and vuggy quartz, barite, fluorite, and specularite, a mineral association virtually identical to that at the Copperstone deposit across the valley to the west. Previous widely-spaced vertical drilling was directed toward mineralization in the laterally extensive breccias and did not test the potential of steeply-dipping mineralized zones. Limited sampling suggests that steeply-dipping veins and mineralized zones contain .10 to .50 oz. gold and past production from the veins averaged more than .40 oz. gold (Ariz Bur Mines and Geol Bull 192). As shown on on the accompanying sketch map and section the steeply-dipping mineralized zones are often closely-spaced and the adjacent wall-rock contains lower-grade gold values. There are three separate, higher-grade mineralized zones in a distance of 300 feet and almost one third of the intervening wall-rocks that were sampled contained .01 oz. gold or more. The steeply-dipping veins and mineralized zones continue to the west and are concealed beneath alluvial cover. The alluvial covered area is characterized by prominent arsenic and other trace element values, higher gold values in the laterally extensive tectonic breccias, and should have a more favorable exploration potential than the exposed area which is characterized by much lower trace element values. The previous widely-spaced vertical drilling has not fully tested the potential for bulk-tonnage gold mineralization localized in steeply-dipping zones, similar to mineralization at Mesquite and other detachment-type deposits.

Geologic Setting: At the Bouse Prospect, a Mid-Tertiary system of epithermal mineralization was introduced into a stacked sequence of lithotectonic units that are located on the northern side of the Plomosa Detachment Fault and consist of imbricately faulted related Tertiary sedimentary and volcanic rocks, Paleozoic sedimentary rocks, and Precambrian granite and shist. Complex, epithermal gold, barite, and fluorite mineralization is superimposed on earlier copper-speculatite mineralization and is associated with widespread, low-sulfide, hematite and siderite alteration. The western part of the prospect exhibits amethystine quartz veins and prominent arsenic values with gold mineralization continuing to the west beneath alluvial cover. PCMI's widely-spaced vertical drill holes established that the thick tectonic breccias contain extensive, but weak and subeconomic gold mineralization. Near-vertical gold-bearing veins or veinlet zones within and above the breccias were not tested by PCMI's drilling.

Location: Northern Plomosa Mining District - approximately four miles northwest of Bouse, Arizona. Sections 7 and 8, T7N, R17W, and Sections 12 and 13, T7N, R18W, La Paz County, Arizona

Land: ~~92~~ 99 unpatented claims owned by Corn and Ahern

Previous Exploration: PCMI carried out geologic and geochemical investigations and and drilled 8,798 feet in 18 widely spaced vertical drill holes. Tenneco drilled on the adjacent Brindle property. Drilling was directed entirely toward laterally extensive bulk-tonnage mineralization and did not test steeply-dipping mineralization.

298-1770

MAP of the HAWK
Lode Claims

Northern Plomosa
Mining District

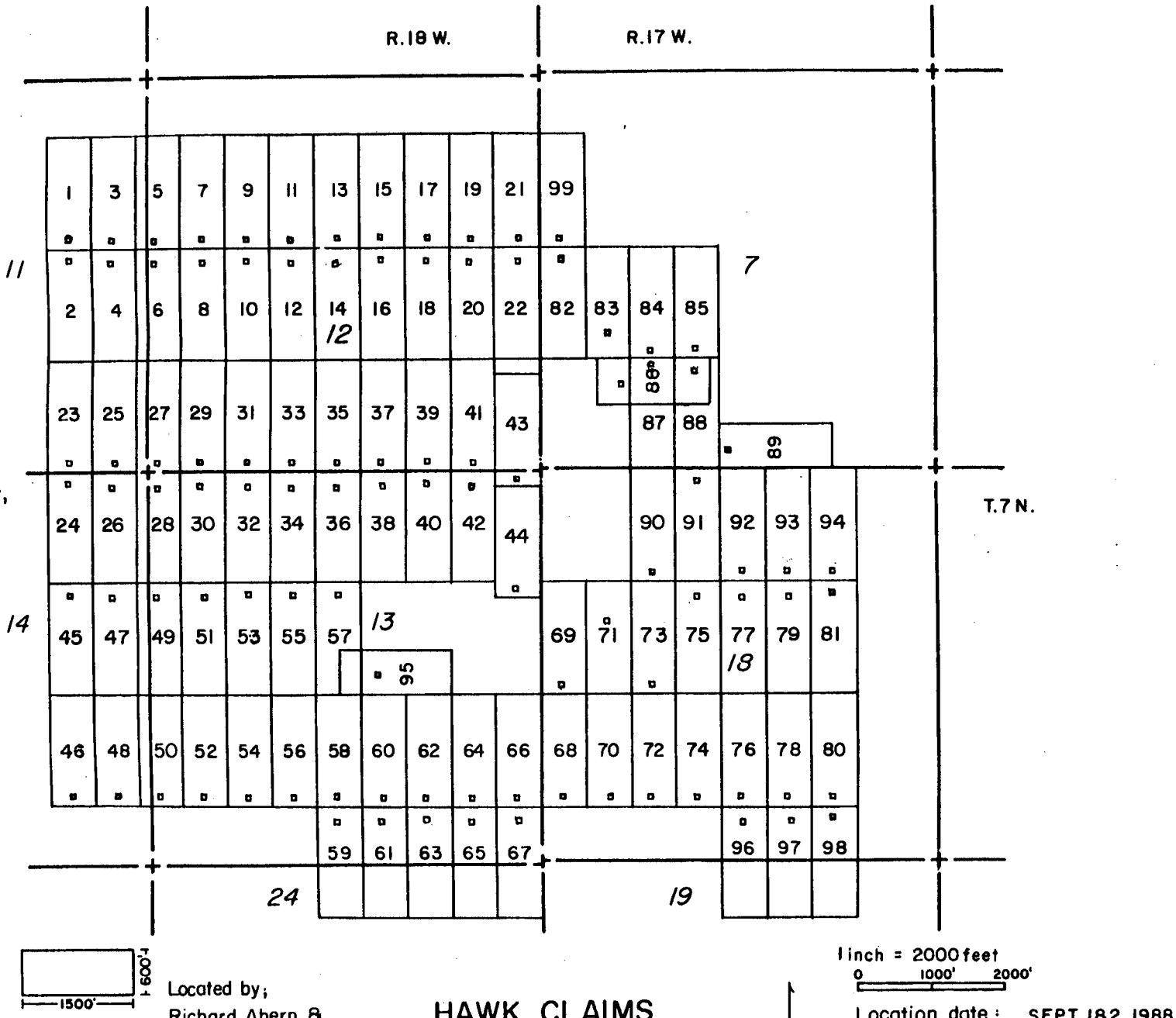
La Paz County,

Arizona

The Hawk Claims are tied to the monumented SE corner, Section 12, T7N, R 18 W

Claim monuments are 2 X 2 wooden posts.

▫ Discovery monument



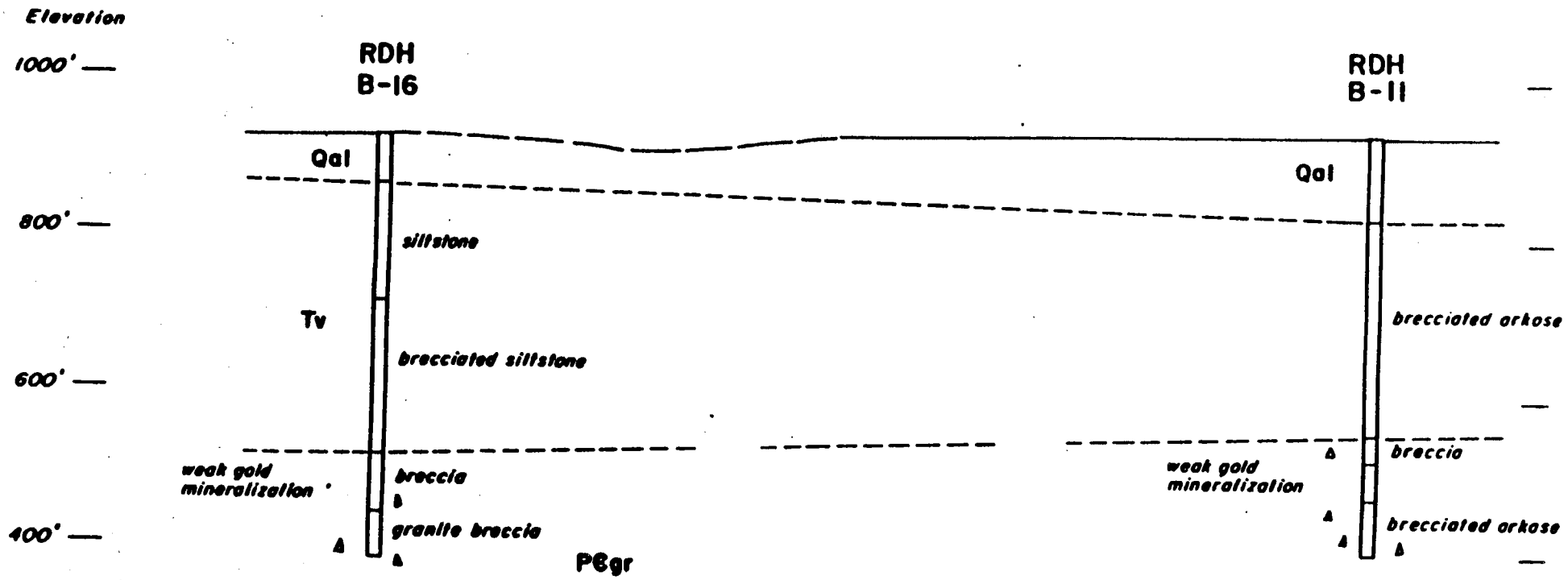
Located by;
Richard Ahern &
Russell M. Corn
8425 Desert Steppes
Tucson, Az. 85710

HAWK CLAIMS

LA PAZ COUNTY, ARIZONA

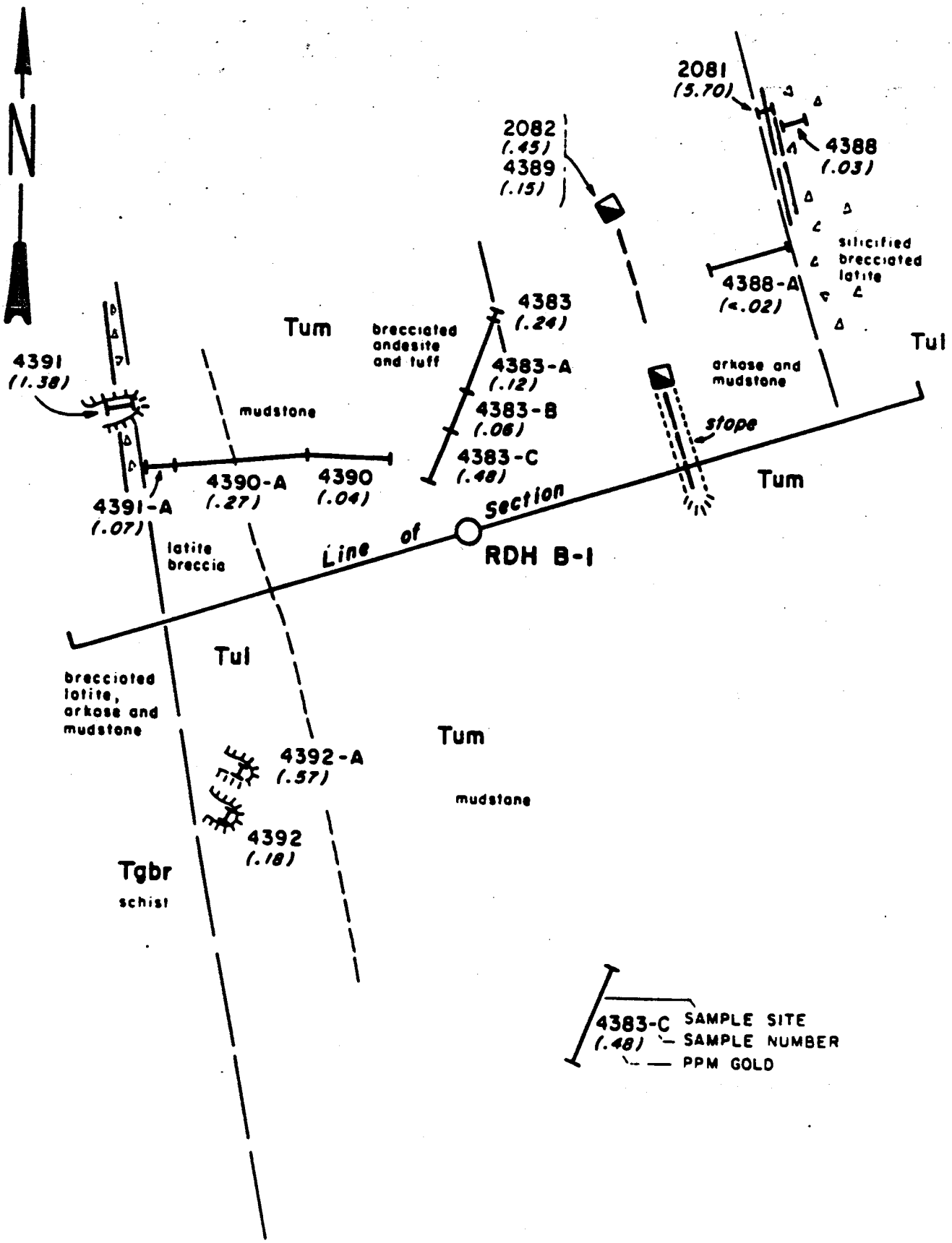
1 inch = 2000 feet
0 1000' 2000'

Location date: SEPT. 182, 1988



CROSS SECTION THROUGH RDHs B-16 AND B-11
BOUSE PROSPECT
LA PAZ COUNTY, ARIZONA

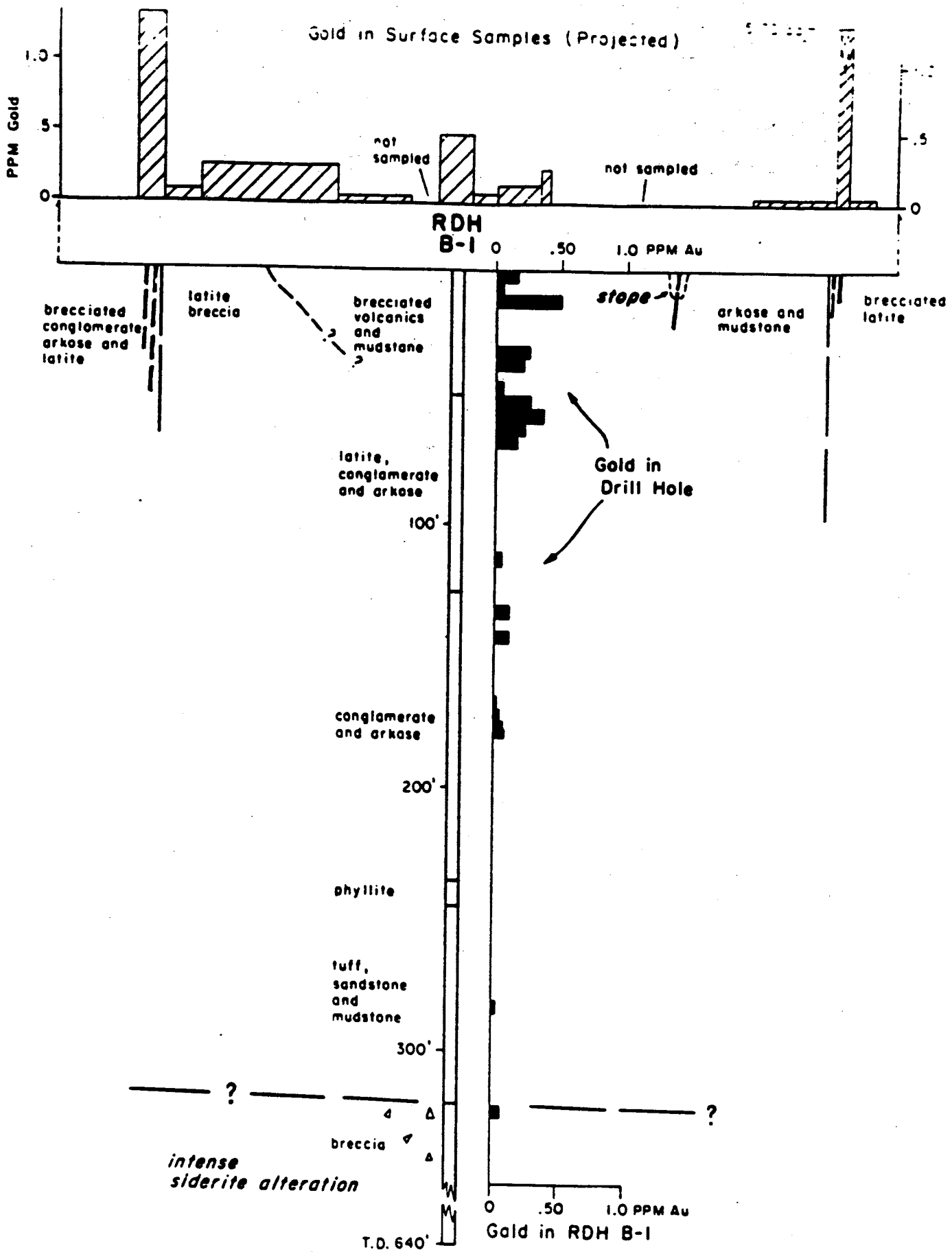
1" = 200', H=V



GEOLOGIC SKETCH MAP NEAR RDH B-1
SHOWING SURFACE SAMPLES
BOUSE PROSPECT
LA PAZ COUNTY, ARIZONA

1" = 50'

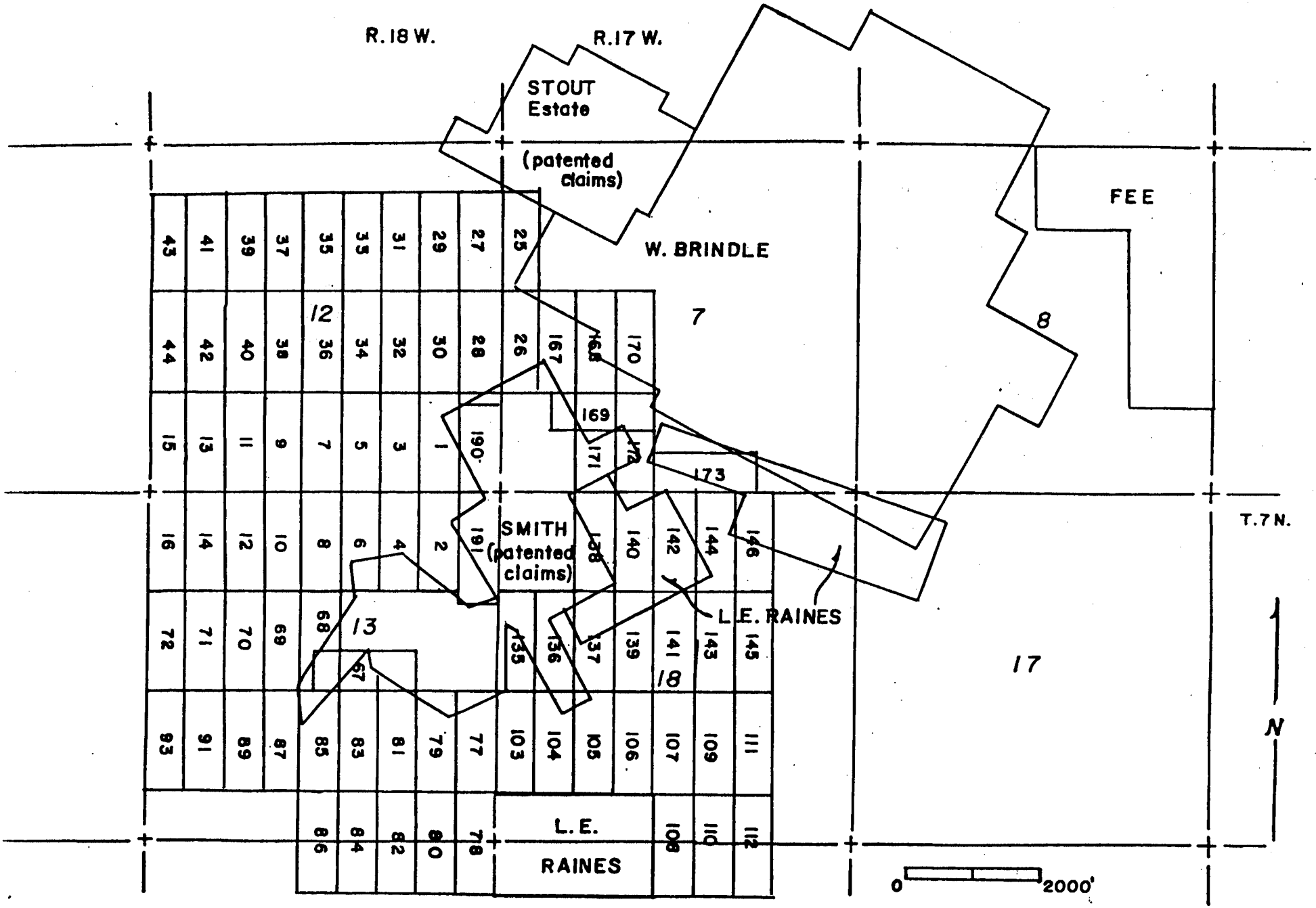
FIGURE 3



DISTRIBUTION OF GOLD IN THE UPPER PART OF RDH B-1
BOUSE PROSPECT
LA PAZ COUNTY, ARIZONA

1" = 50'

FIGURE 4



LAP Claims — superseded by Hawk Claims Sept 1988

Richard Ahern & Russell M. Corn

LAND MAP OF THE BOUSE AREA

LA PAZ COUNTY, ARIZONA

TABLE 2

BOUSE PROSPECT, LA PAZ COUNTY, ARIZONA

Mineralized Intervals in Drill Holes

B-13 through B-18

Drill Hole	Depth (ft)	Interval (ft)	Mineralization Intervals exceeding .05 ppm Au or .05% Au	
			ppm Au	% Cu
B-13			No mineralization	
B-14			No mineralization	
B-15			No mineralization	
B-16	120-170	50		.125
	170-200	30	.18	.192
	200-270	70		.087
	445-465	20	.41	
B-17	270-305	35		.051
			terminated above breccia	
B-18	180-220	40		.157
	220-270	50		.079
	270-325	55		.055
	325-355	30	.05	.065
	355-385	30	.36	.140
	385-430	45		.091

TABLE 1

BOUSE PROSPECT, LA PAZ COUNTY, ARIZONA

Mineralized Intervals in Drill Holes

B-1 through B-12

Drill Hole	Depth (ft)	Interval (ft)	Mineralization Intervals exceeding .05 ppm Au or .05% Cu	
			ppm Au	% Cu
B-1	0-30	30	.09	.078
	30-70	40	.20	.051
	70-130	60		.055
B-2	240-300	60	.11	
	300-340	40	.09	.090
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B-6			"	"
B-7			"	"
B-8			"	"
B-9			"	"
B10			"	"
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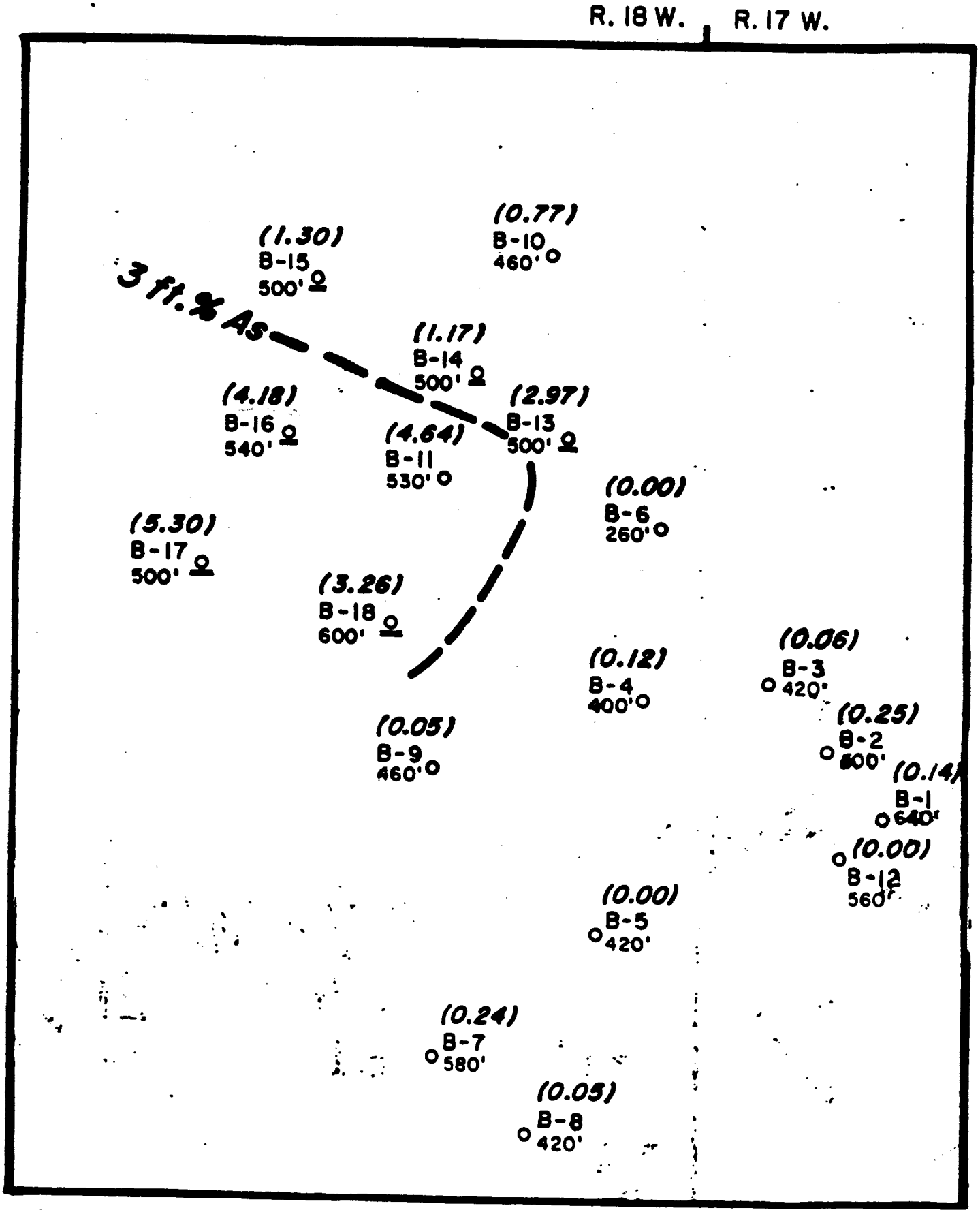
	160-200	40		.070
	200-230	30		.077
	230-260	30		.085
	380-410	30	.56	
	410-460	50	.12	
B-12			No mineralization	



(0.00) B-5 420'

- Feet % As above a cutoff value of 10 ppm As
- Total Depth
- Drill Hole Site

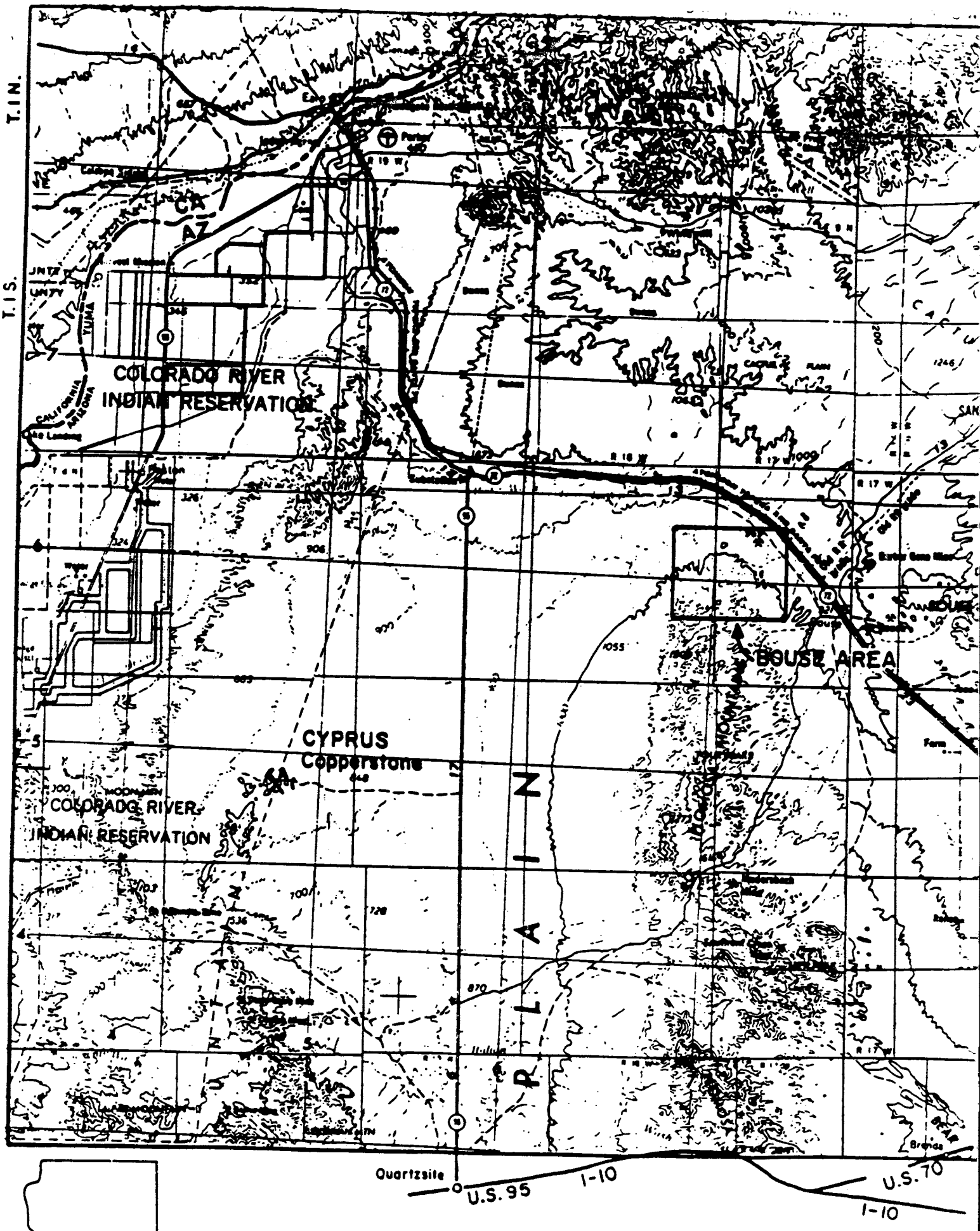
(February 1986 hole sites underlined)

DISTRIBUTION OF ARSENIC IN DRILL HOLES

BOUSE PROJECT

LA PAZ COUNTY, ARIZONA

1" = 1000'



INDEX MAP OF THE BOUSE AREA

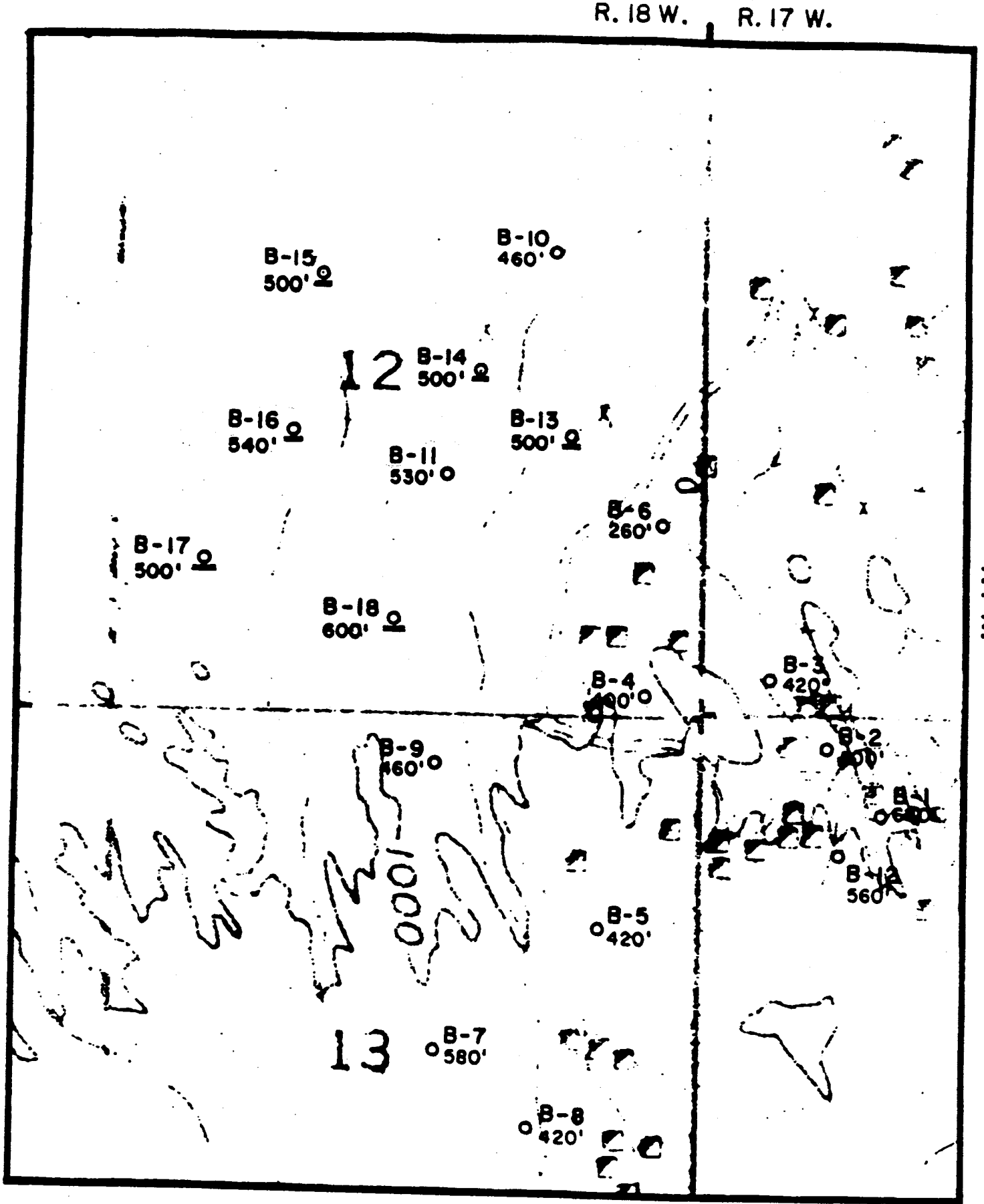
LA PAZ COUNTY, ARIZONA

1:250000

SUMMARY OF ANOMALOUS GOLD VALUES

BOUSE AREA
PLOMOSA MINING DISTRICT
LA PAZ COUNTY, ARIZONA

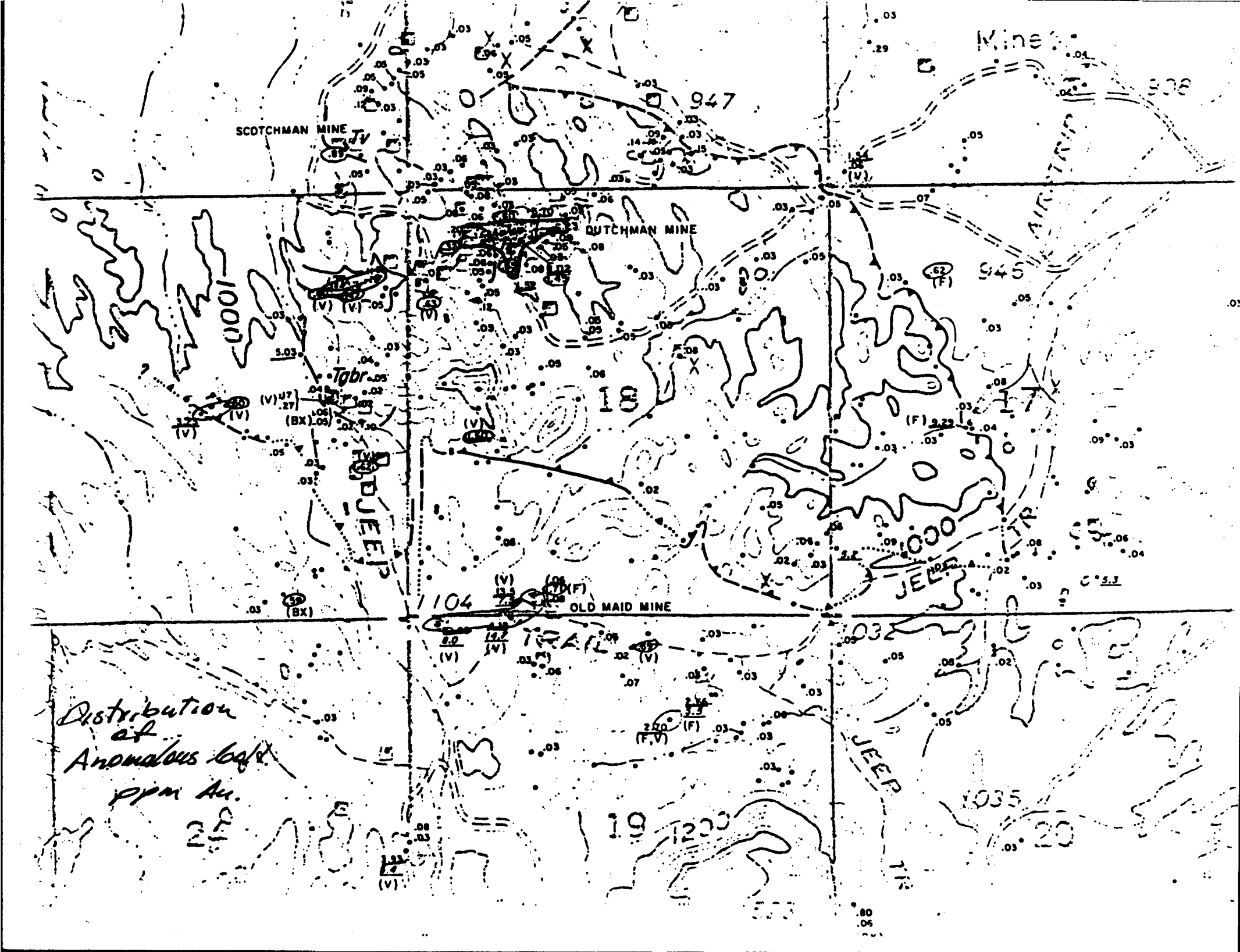
Sample Number	Lithology	Map Symbol	PPM Gold
194	Quartz vein	V	4.18
1624	Hematite limestone and tuff	bx	.21
1631	Brecciated conglomerate	bx	.65
1639	Sheared granite	F	.32
1641	Tailings	F	.70
1645	High grade stockpile	V	13.5
2077	Andesite conglomerate	Tv	.23
2081	Hematitic andesite	Tv	5.70
2082	Mine tailings	Tv	.45
2083	Mine dump	Tv	1.02
2085	Conglomerate	Tv	1.32
2097	Hematitic volcanics	Tv	1.59
2099	Latite breccia	Tv	.60
2114	Conglomerate	Tv	.20
2116	Andesite	Tv	.89
2158	Fractures in granite	F	.29
3724	Hematite-calcite ledge	V	11.6
3750	Fault zone	F	2.66
3838	Gneiss breccia	bx	.59
3843	Sheared granite	F	.71
3877	Quartz vein	V	.63
3905	Fault zone	F	9.29
3928	Fault zone	F	.62
3946	Quartz vein	V	1.34
3962	Quartz vein	V	.69
3983	Quartz fault/vein	VF	2.70
3992	Quartz vein	V	22.05
3993	Barite fluorite vein	V	.62
4007B	Volcanics and schist	bx	.27
4024	Quartz barite vein	V	.60
4025		V	.42
4032-B	Specularite CuOx	F	5.03
4048-A	Quartz veinlets in gn	bx	.80
4049-B	Selected CuOx dump	bx	11.40
4055-B	Selected quartz vein	V	3.93
4173-A	Quartz barite vein	V	.50
4174	Quartz barite vein	V	3.23



DRILL HOLE LOCATION MAP
BOUSE PROJECT
LA PAZ COUNTY, ARIZONA

B-5
420'
Total Depth
Drill Hole Site
(February 1986 hole sites underlined)

1" = 1000'


SCOTCHMAN MINE
DUTCHMAN MINE
OLD MAID MINE
JEEP TRAIL
947
945
1001
1000
1035
1200
Tgbr
Distribution of Anomalous Gold ppm Au.

SKYLINE LABS, INC.
1775 W. Sahuaro Dr. • P.O. Box 50106
Tucson, Arizona 85703
(602) 622-4836

REPORT OF ANALYSIS

JOB NO. TIW 008
August 11, 1987
B TO L-2 7505

CORN & AHERN
8425 Desert Steppes Dr.
Tucson, Arizona 85710

Analysis of 18 Plant Samples

ITEM	SAMPLE NUMBER	Au* (ppm)
1	B	.003
2	D-1	<.002
3	L-1 0	<.002
4	L-1 220N	<.002
5	L-1 365N	<.002
6	L-1 210S	<.002
7	L-1 330S	<.002
8	L-1 430S	<.002
9	L-1 560S	<.002
10	L-1 710S	<.002
11	L-2 0	<.002
12	L-2 210N	<.002
13	L-2 420N	<.002
14	L-2 130S	<.002
15	L-2 220S	<.002
16	L-2 350S	.004
17	L-2 600S	.002
18	L-2 750S	<.002

*NOTE: Values based on ashed samples.

Charles E. Thompson
Arizona Registered Assayer No. 9427

William L. Lehmbeck
Arizona Registered Assayer No. 9425

James A. Martin
Arizona Registered Assayer No. 11122

PROSPECT SUMMARY

BOUSE PROSPECT
La Paz County, Arizona

Location: Northern Plomosa Mining District - approximately four miles northwest of Bouse, Arizona. Sections 7 and 18, T7N, R17W, and Sections 12 and 13, T7N, R18W, La Paz County, Arizona.

Land: 191 unpatented claims staked by PCMI.

Drilling and Exploration Data:

Drilling - 8,795 feet drilled in 18 widely spaced drill holes.

Geologic and Geochemical Investigations - Approximately 475 samples.

Geologic Setting:

At the Bouse Prospect a Mid-Tertiary system of epithermal mineralization was introduced into a stacked sequence of lithotectonic units that are separated by subhorizontal, low-angle faults and thick tectonic breccias. The lithotectonic units are located on the northern side of the Plomosa Detachment Fault and consist of imbricately faulted slices of related Tertiary sedimentary and volcanic rocks, Paleozoic sedimentary rocks, and Precambrian granite and schist. Complex, epithermal gold-copper-barite-fluorite mineralization is associated with widespread, low-sulfide, hematite and siderite mineralization. The western part of the prospect exhibits amethystine quartz veins and prominent arsenic values with gold mineralization continuing to the west beneath widespread alluvial cover. The widely-spaced vertical drill holes established that the thick tectonic breccias contained extensive, but weak and subeconomic gold mineralization. Near-vertical gold-bearing veins or veinlet zones were not tested by PCMI's drilling.

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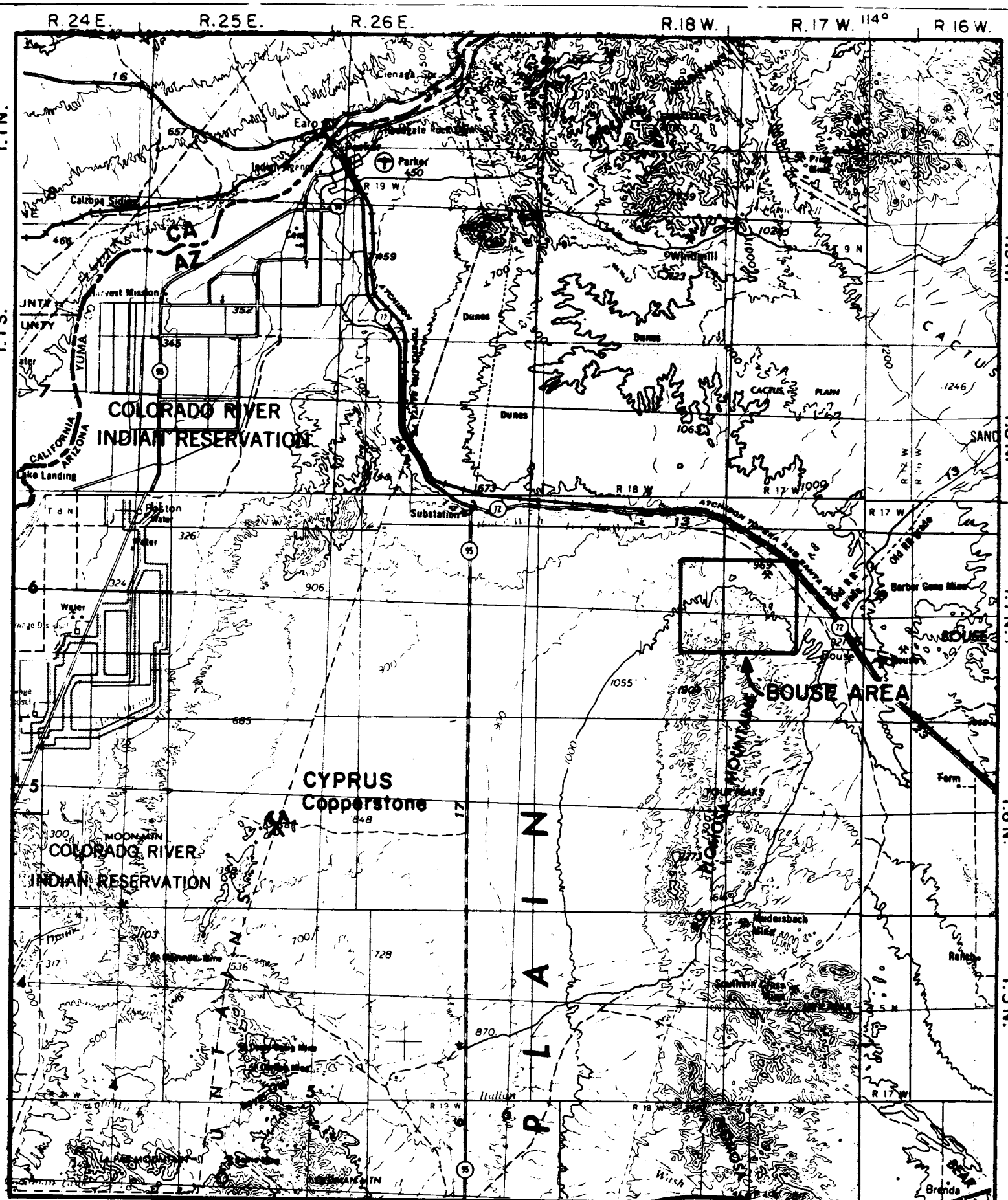
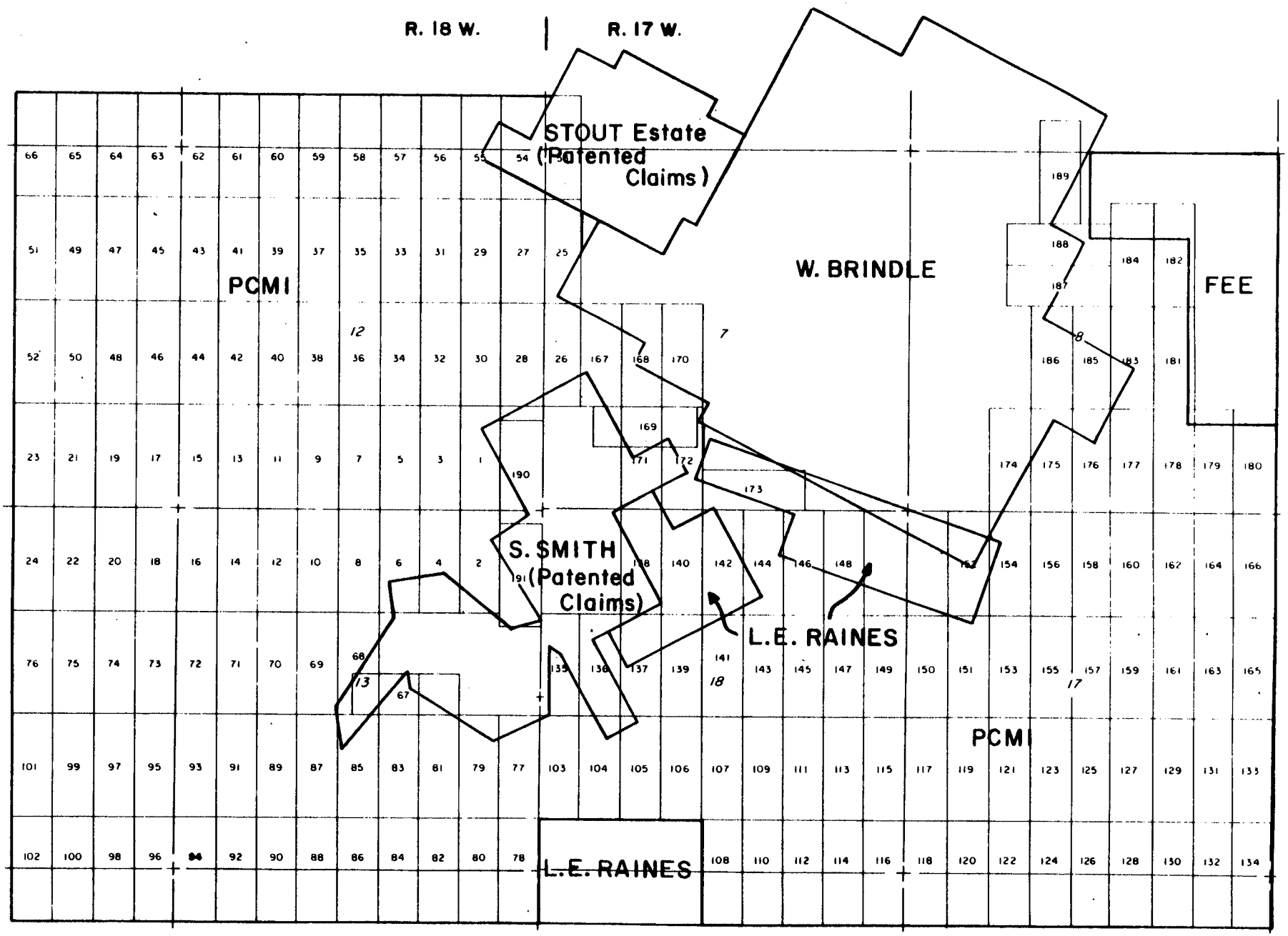


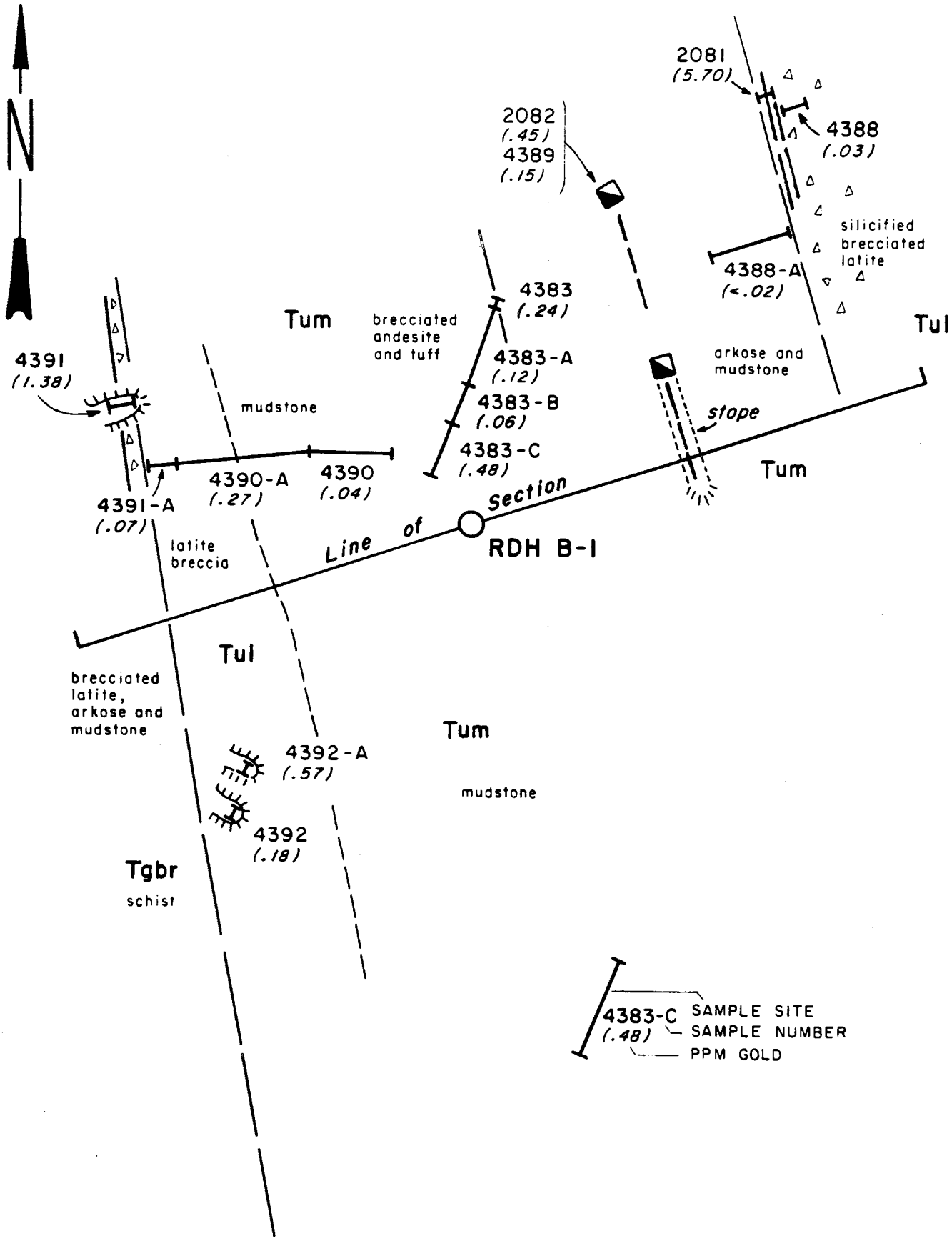
INDEX MAP OF THE BOUSE AREA

LA PAZ COUNTY, ARIZONA



LAND MAP OF THE BOUSE AREA
LA PAZ COUNTY, ARIZONA

FIGURE 1



GEOLOGIC SKETCH MAP NEAR RDH B-1
SHOWING SURFACE SAMPLES
BOUSE PROSPECT
LA PAZ COUNTY, ARIZONA

1" = 50'

FIGURE 3

TABLE 1

Geologic Sequence*
Northern Plomosa Mountains, Yuma County, Arizona

Age		Deformation and Mineralization	Rock Unit
Pleistocene	Post-Mineral	Minor tilting.	Alluvial cover.
Pliocene			Bouse formation. Silt, marl and sandstone, moderately indurated and only slightly deformed.
			Ash flow tuff.
			Unconformity
		Renewed low-angle faulting.	
		ORE-TIME SURFACE	
Miocene		Gold - copper - barite, manganese - barite - fluorite, and uranium - molybdenum mineralization.	Conglomerate, fanglomerate and sandstone, cemented by iron and manganese oxides.
		Copper - specularite mineralization.	
			Rhyolitic and latitic tuff, intrusive dikes and plugs.
			Unconformity
		Metamorphism and development of core complexes. Listric-normal faulting and structural rotation.	Megabreccias and boulder conglomerates and fanglomerates.
			Unconformity
			Limestone, siltstone, mudstone and sandstone.
			Unconformity
			Andesitic and latitic tuff and flows.
			Siltstone, arkosic sandstone, and conglomerate.
			Unconformity
Early Tertiary to Cretaceous		Laramide base metal mineralization. Uplift, low-angle and high-angle faulting.	Andesitic-latitic volcanics and quartz monzonite and quartz latite porphyry intrusives.
			Unconformity
Paleozoic			Limestones.
			Unconformity
Precambrian			Schists and gneiss intruded by post-metamorphic coarse-grained quartz-rich granite and medium-grained granite.

TABLE 1

Geologic Sequence in the Bouse Area
La Paz County, Arizona

AGE	UNIT	ROCK TYPE
Pleistocene		Alluvium and sand
Pliocene	. Bouse Formation	Silt, marl and sandstone Ash flow tuff
---------- ORE-TIME SURFACE ----------		
	MINERALIZATION	
		Lamprophyre and rhyolite
Miocene	Dutchman Lithotectonic Plate	Rhyolite Latite porphyry Fanglomerate breccia Andesitic and latitic agglomerate Limestone and mudstone Ash flow tuff
	Granite Lithotectonic Plate	Granite Metasedimentary rocks Gneiss Schist Quartz latite porphyry Arkose and conglomerate
	Limestone Lithotectonic Plate	Paleozoic limestone and quartzite

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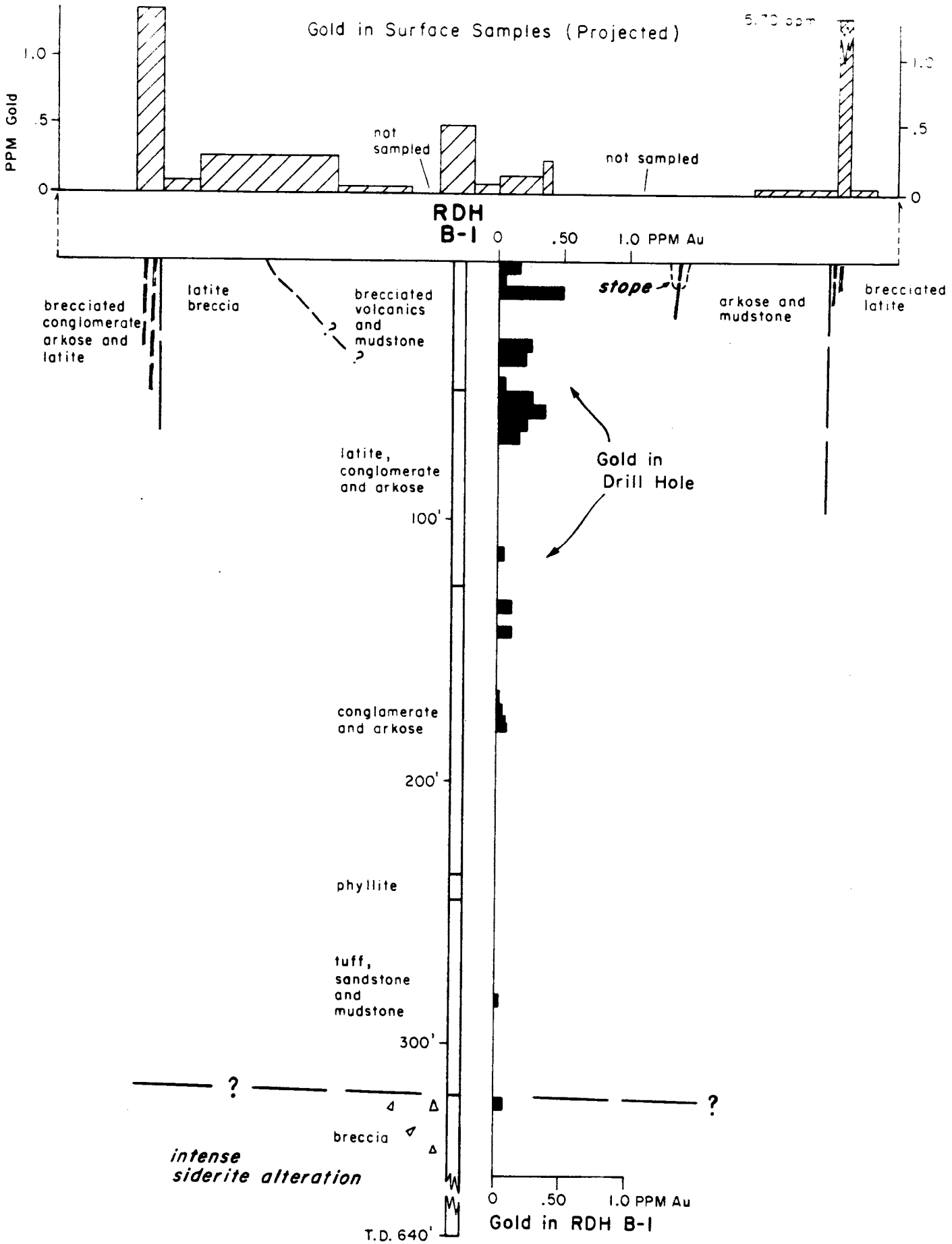

DISTRIBUTION OF GOLD IN THE UPPER PART OF RDH B-1
BOUSE PROSPECT
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1" = 50' H=V

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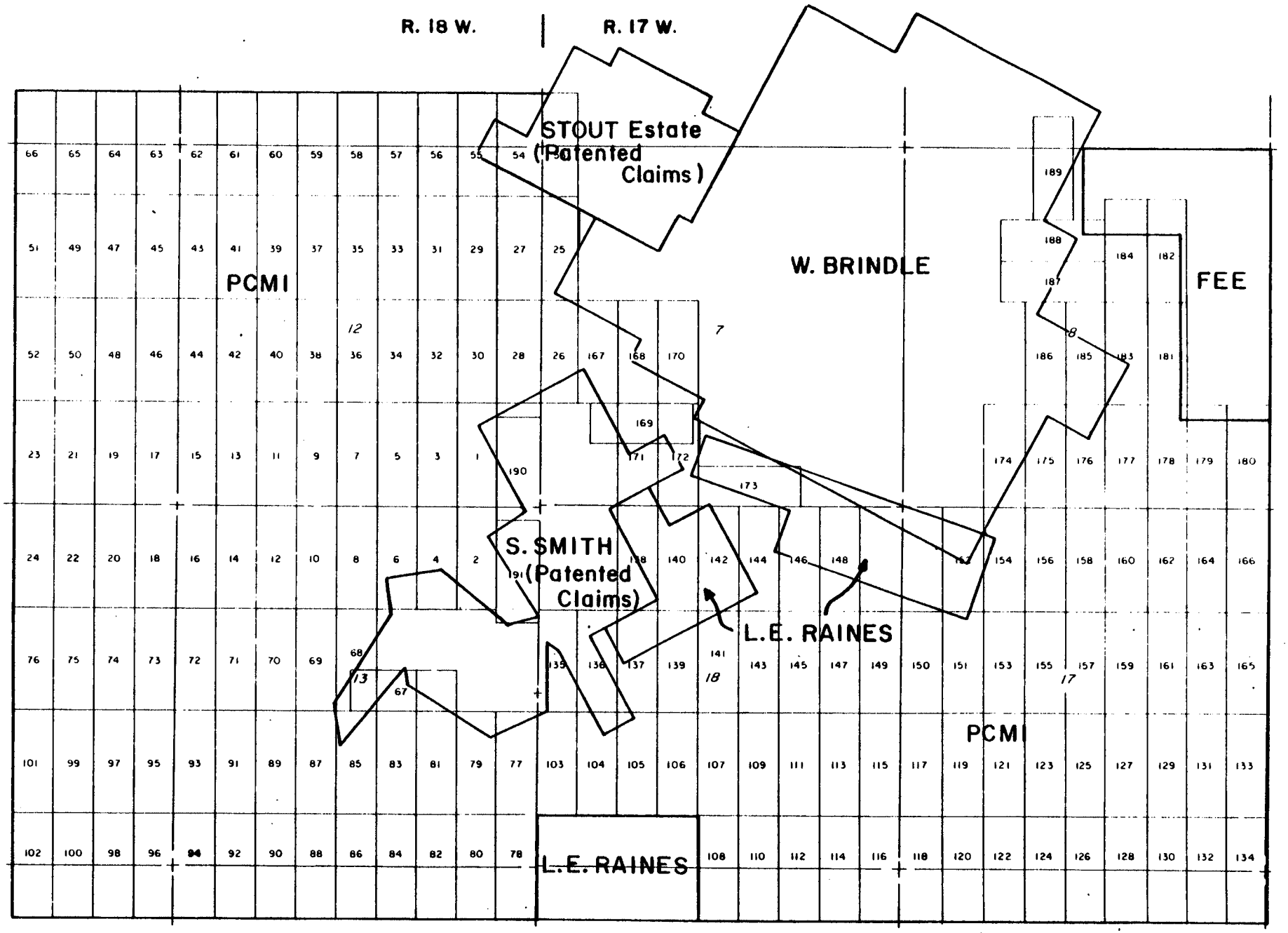
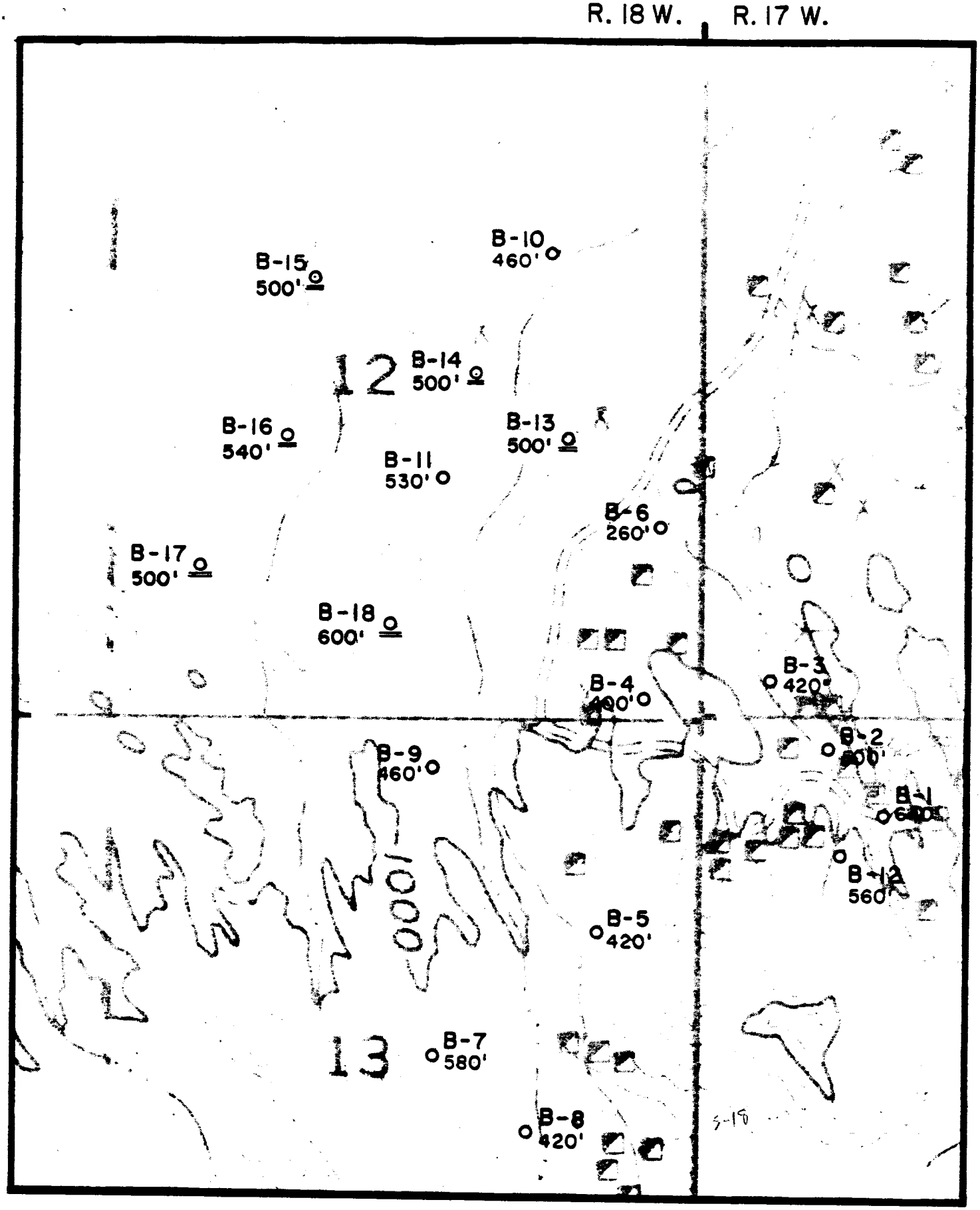


LAND MAP OF THE BOUSE AREA
LA PAZ COUNTY, ARIZONA

FIGURE 4



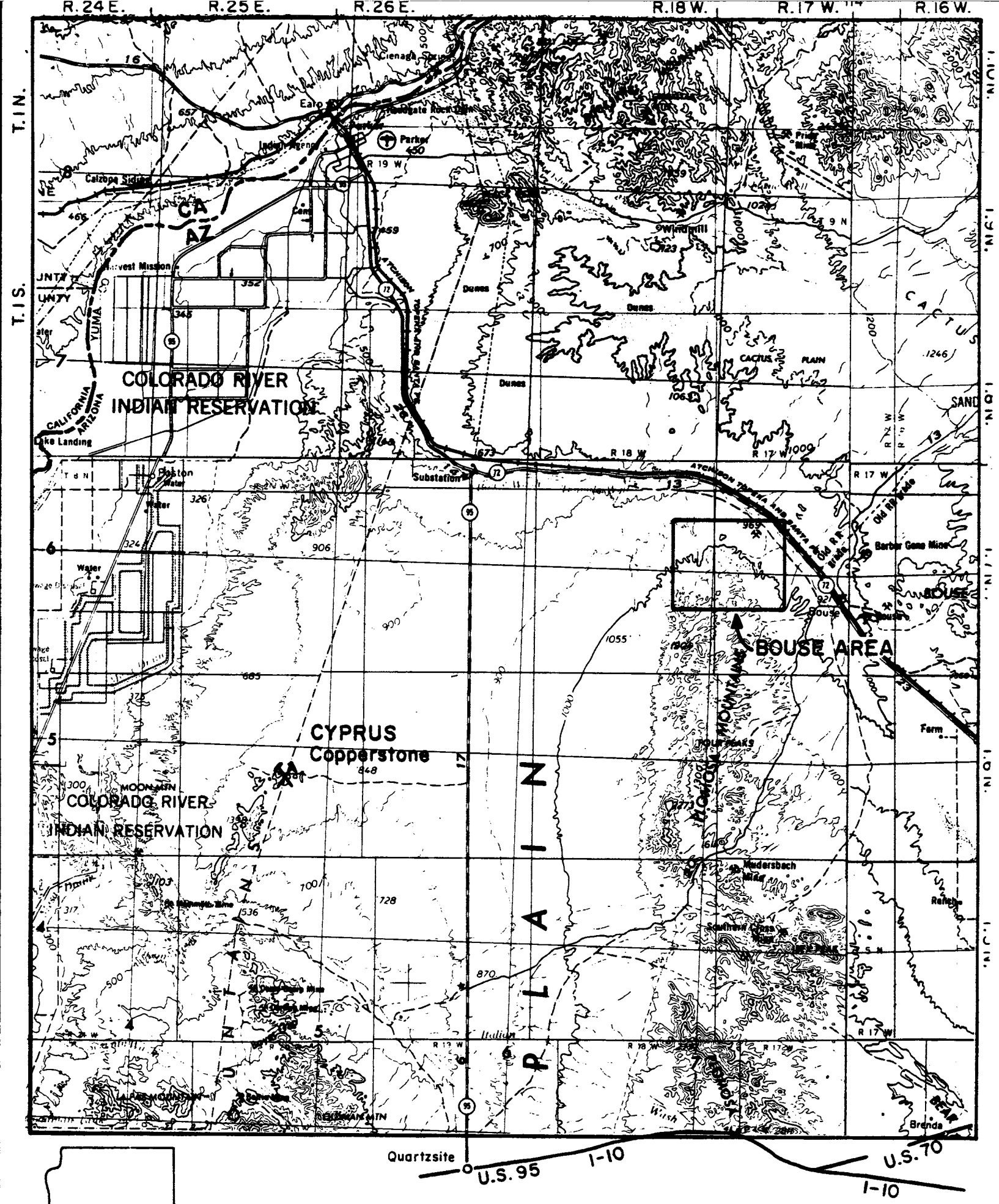
DRILL HOLE LOCATION MAP
BOUSE PROJECT

LA PAZ COUNTY, ARIZONA

B-5
420'
— Total Depth
— Drill Hole Site
(February 1986 hole sites underlined)

1" = 1000'

Figure



INDEX MAP OF THE BOUSE AREA

LA PAZ COUNTY, ARIZONA

1:250,000

CORN & AHERN
CONSULTING GEOLOGISTS
SUITE 108, 1802 WEST GRANT ROAD
TUCSON, ARIZONA 85745
[602] 884-8983

12/24/86

Clancy:

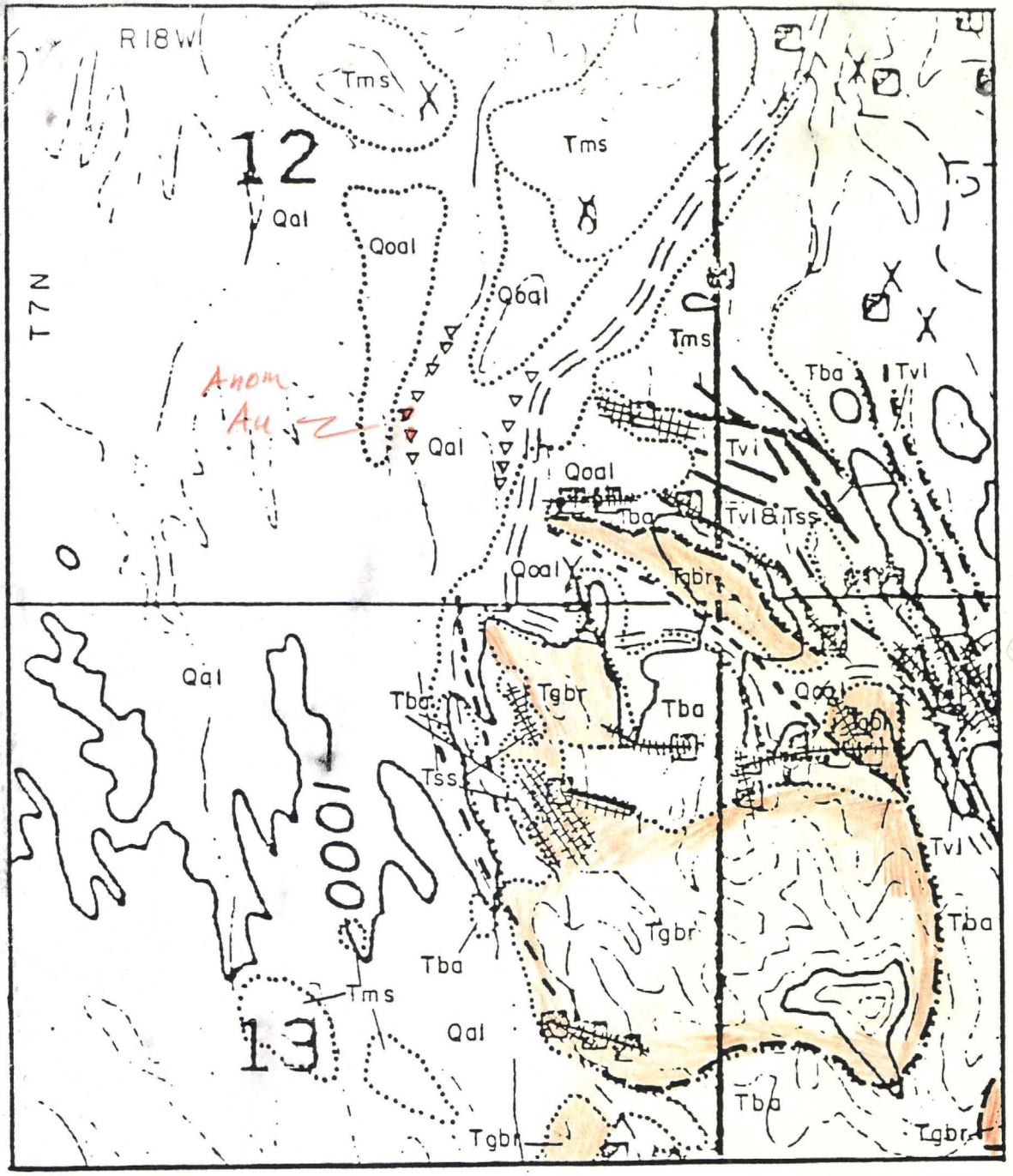
Enclosed is a brief summary on the Bause Prospect. If the prospect is of interest, contact either Dick or I for additional information & data.

As of the first of the year I will be available as a consultant and would appreciate your keeping me in mind.

Good Luck during the coming year.

Donald W. Corn

Hugo this
is worth looking
at —
while at R.P. ?



Geologic Map of the LAP Claims

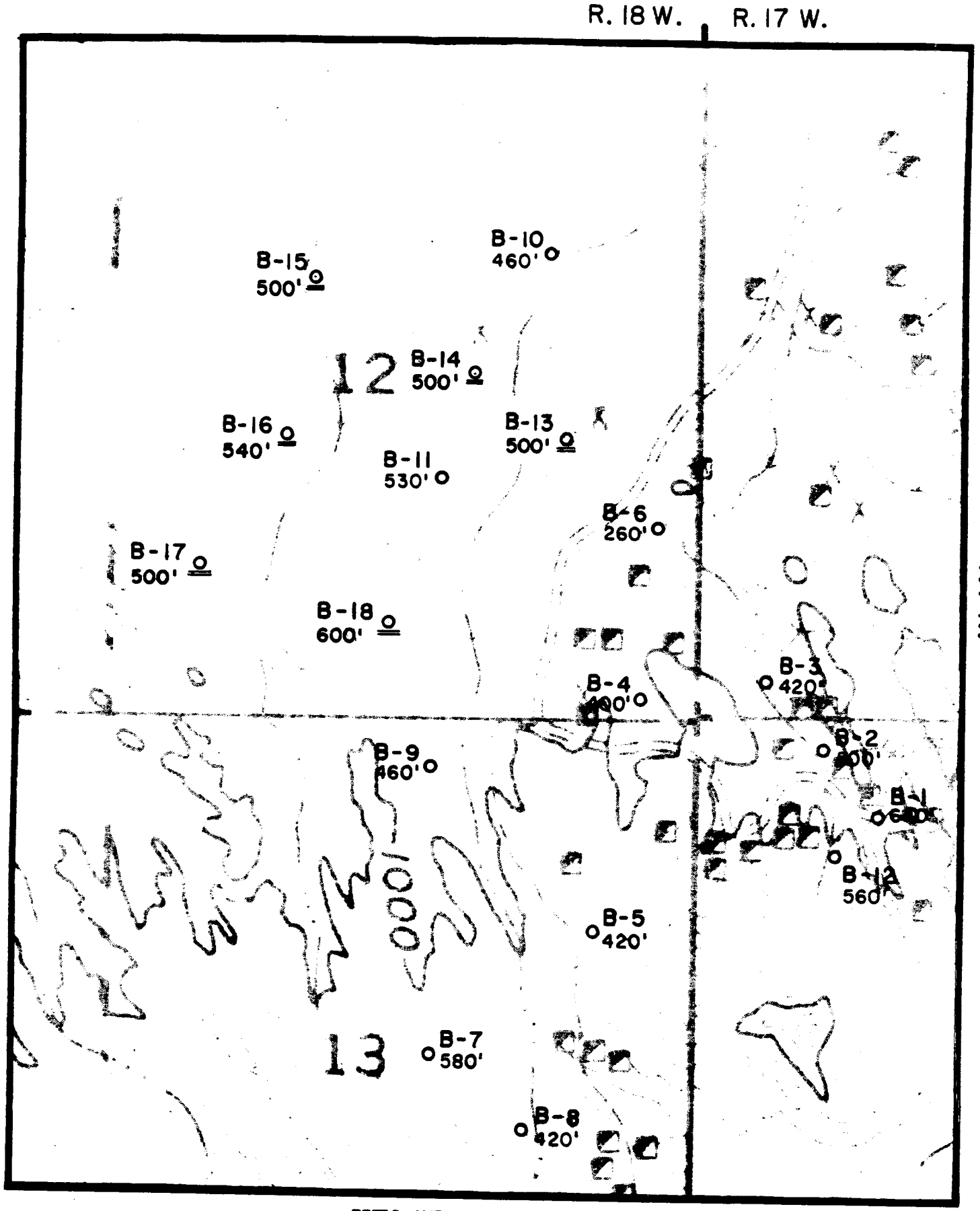
Bouse Area, La Paz County, Arizona

SCALE 1" = 1000'

R.M. CORN

JULY 1987

0 1000'



DRILL HOLE LOCATION MAP
BOUSE PROJECT

LA PAZ COUNTY, ARIZONA

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— Total Depth
— Drill Hole Site
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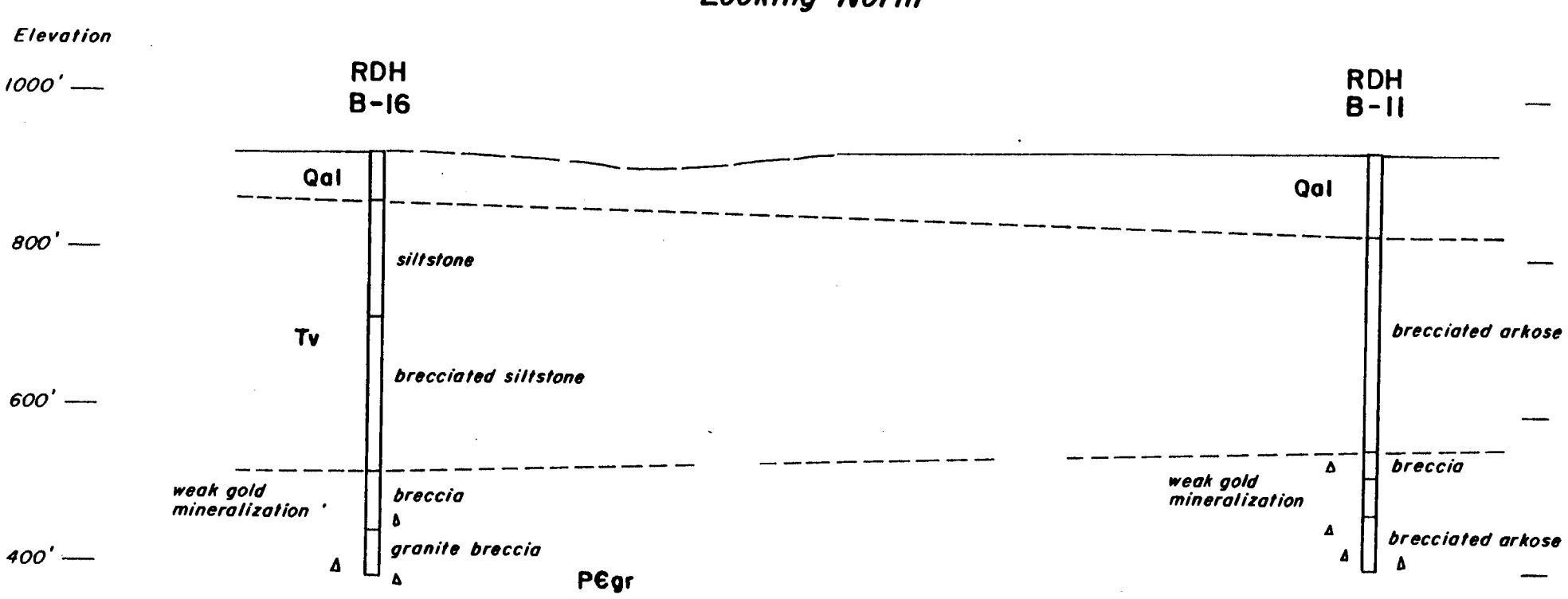

CROSS SECTION THROUGH RDHs B-16 AND B-11
BOUSE PROSPECT
LA PAZ COUNTY, ARIZONA

1" = 200', H=V

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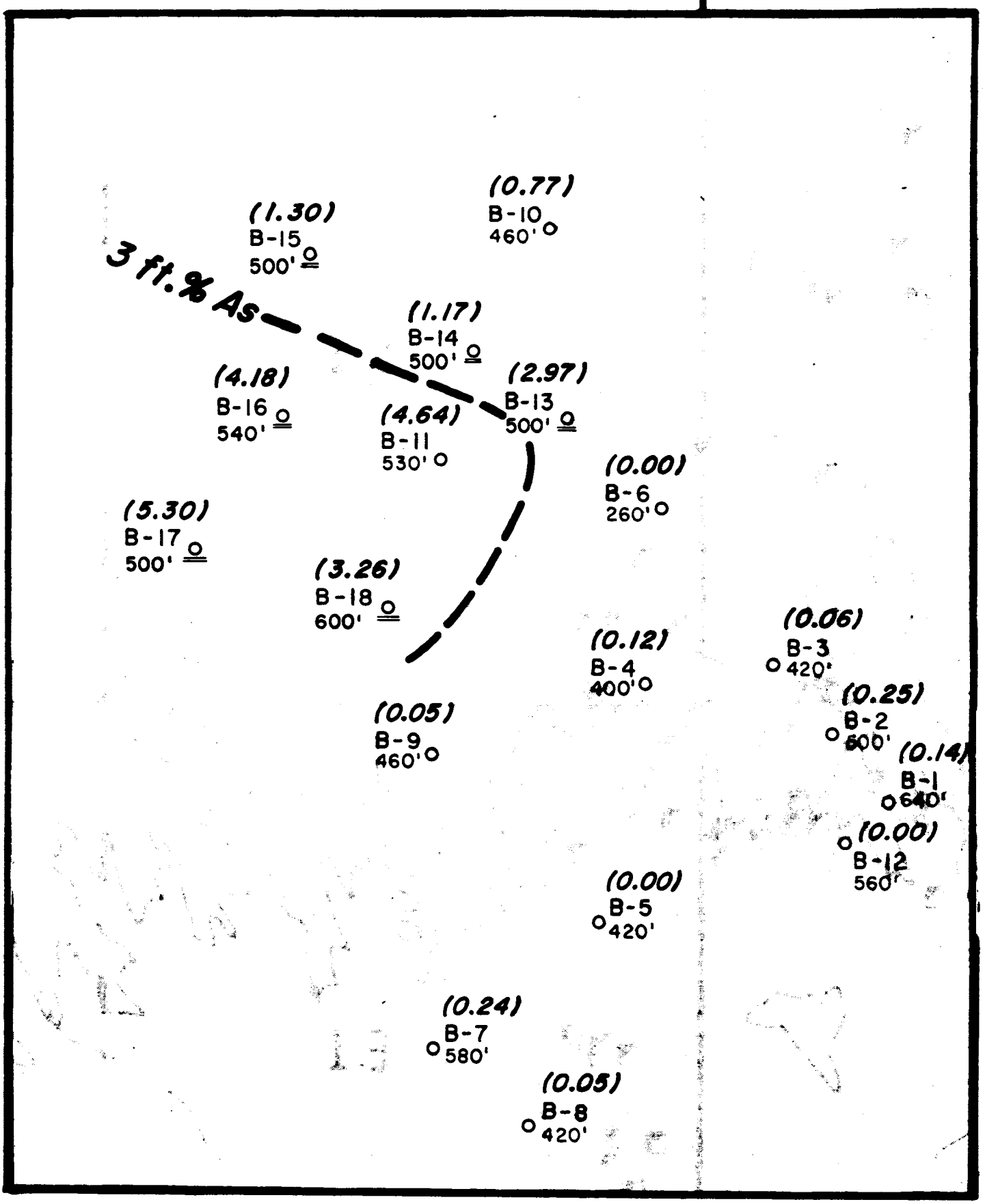

DISTRIBUTION OF ARSENIC IN DRILL HOLES
BOUSE PROJECT
LA PAZ COUNTY, ARIZONA

(0.00)
B-5
420'

- Feet % As above a cutoff value of 10 ppm As
- Total Depth
- Drill Hole Site

(February 1986 hole sites underlined)

1" = 1000'

Figure 3

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	220-270	50		.079
	270-325	55		.055
	325-355	30	.05	.065
	355-385	30	.36	.140
	385-430	45		.091

GEOLOGIC MAP OF THE NORTHERN PLOMOSA MOUNT

STRATIGRAPHIC SECTION

Era	System	Formation	Member	Symbol	Thickness	Description
Cenozoic	Quaternary -Recent			Qal		Hill wash and alluvium
	Tertiary	Artillery	Plomosa Conglomerate	Tpc	Many hundreds of feet	Coarse conglomerate consisting of lenses of perthite granite, gneiss, schist and limestone. Grades upward into fanglomerates and unconsolidated alluvium.
			Unconformity			
			Mount Davis Agglomerate	Tma	Several hundreds of feet	Mostly basaltic agglomerate but contains units of flow breccia, acidic welded tuffs, arkose and gneiss-schist conglomerate lenses. The member is capped with a consistent layer of acidic welded tuff.
			Golden Door Shale	Tgd	200 feet plus or minus	Mostly thin beds of intercalated fissile shale, limestone and welded acidic tuffs. Towards the top the volcanic layers become thicker and pumiceous.
			Bouse Arkose	Tab	0 to 100 feet	Granitic arkose; upper part well stratified. A basal conglomerate persists at the base of the thicker section.
Mesozoic			Unconformity			
Paleozoic			Younger Metamorphics	Pzm		Propylitized and biotitized arkoses, sandstones, limestones, shales and volcanics.
			? Unconformity ?		? ?	
Pre-Cambrian			Older Metamorphics	PCm		Feldspathized arkoses, sandstones, limestones, shales and volcanics.

TRUE NORTH

APPROXIM
DECLINATI

C
Dashed where approxi
where uncertain or infe

31

F
Dashed where approxim
where uncertain or infer

Thr
Dashed wher
located. S
plate

Strike an

3

Strike and dip

Mine or

Drill

SCALE 1:12 000

1 1/2 0

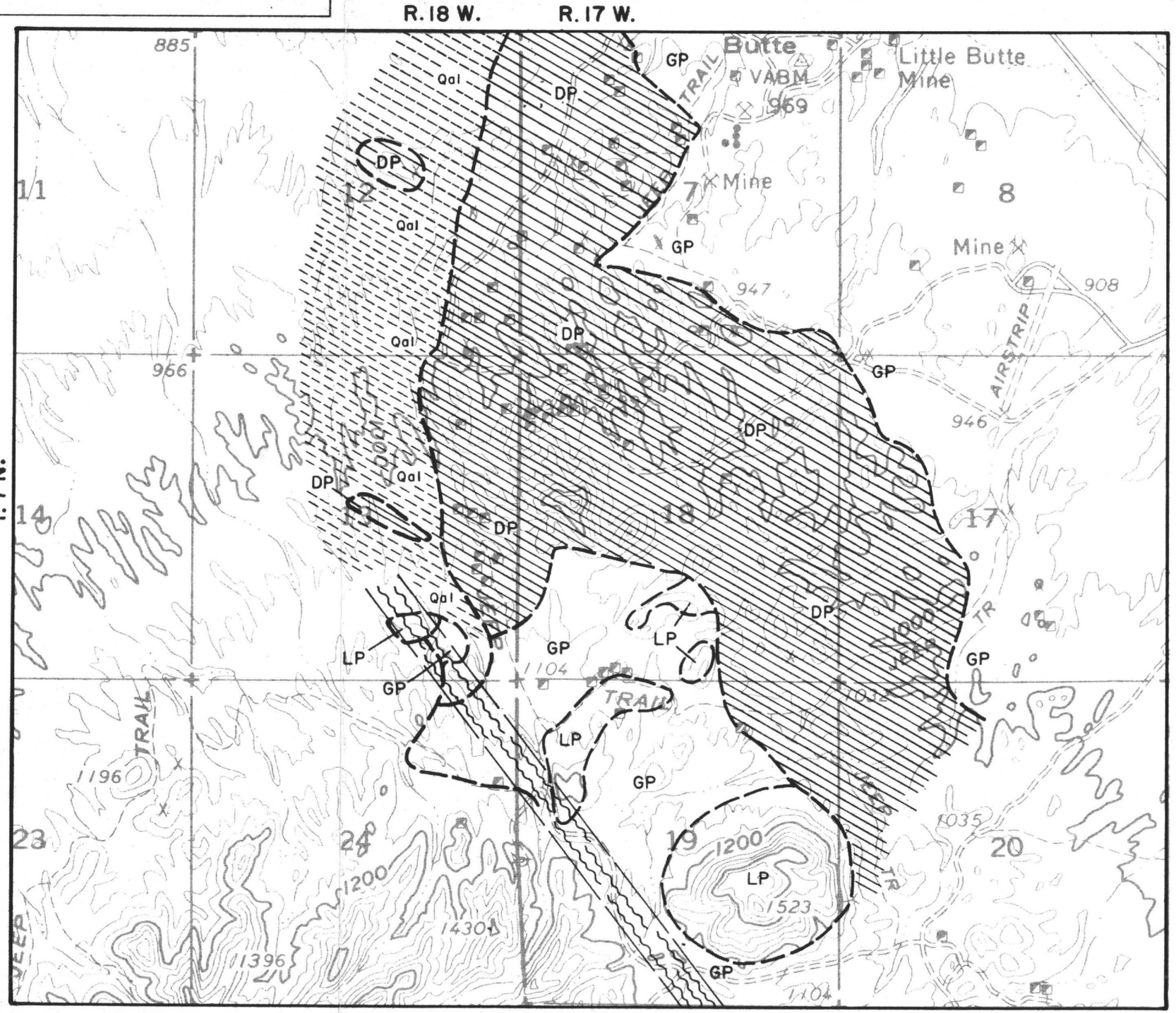
1000 0 1000 2000 3000 4000 5000 6000

CONTOUR INTERVAL 20 FEET

DATUM IS MEAN SEA LEVEL

Topographic base adapted from unedited copy of LINSLEY NE, ARIZONA
U S G S, 1962

Geolo



Qal ALLUVIUM

LP LIMESTONE PLATE

DP DUTCHMAN PLATE

GP GRANITE PLATE

MAJOR SHEAR ZONE

LITHOTECTONIC MAP
BOUSE AREA

LA PAZ COUNTY, ARIZONA

0 2000'

FIGURE

T. 7 N.

Butte

Little Butte Mine

NABM

969

908

946

1000

1104

1196

1200

1430Δ

1396

1523

1035

SCOTCHMAN MINE

DUTCHMAN MINE

OLD MAID MINE

Mine

Mine

Mine

AIRSTRIP

TRAIL

JEEP

Shear Zone

B-1 B-2 B-3 B-4 B-5 B-6 B-7 B-8 B-9 B-10 B-11 B-12 B-13 B-14 B-15 B-16 B-17 B-18

Qal ALLUVIUM

Tgbr CONGLOMERATE BRECCIA, CHARACTERIZED BY BOULDERS AND COBBLES OF COARSE-GRAINED PRECAMBRIAN GRANITE AND GNEISS IN AN UNSORTED MATRIX

Tv ANDESITIC VOLCANIC ROCKS, BASALT, LATITIC AND ANDESITIC AGGLOMERATE INTERBEDDED WITH BRECCIATED LIMESTONE (ls) AND QUARTZITE (qtz) AND MICA SCHIST (ms)

Tar THIN-BEDDED LIMESTONES WITH INTERBEDDED MUDSTONES AND SILICIC ASH FLOWS

Ti SILICIC AND WELDED TUFF, INTRUSIVE

Tba ARKOSIC CONGLOMERATE WITH CLASTS OF QUARTZITE, GRANITE AND GNEISS; BASE OF ARTILLERY PEAK FORMATION

Pal PALEOZOIC LIMESTONE

Mz MESOZOIC LIMESTONE AND LIMY SILTSTONE

PEgr MEDIUM-GRAINED GRANITE AND GRANITE GNEISS

PEgn FINE-GRAINED GNEISS AND SCHIST

PEsch FINE-GRAINED SCHIST

QUARTZ VEIN showing dip

FAULT (NORMAL) showing dip where known dashed where inferred, dotted where concealed

FAULT (THRUST, teeth on upper plate) showing dip where known, dashed where inferred, dotted where concealed

SYNCLINE, showing troughline and direction of plunge

ANTICLINE, showing crestline and direction of plunge

STRIKE AND DIP OF BEDDING

JOINTS

CONTACT, showing dip where known dashed where inferred, dotted where concealed

B-12 ABANDONED DRILL HOLE

0035

GEOLOGIC MAP OF THE BOUSE AREA PLOMOSA MINING DISTRICT

LA PAZ COUNTY, ARIZONA

500' 0 500' 1000'

SCALE IN FEET

PREPARED FOR: PACIFIC COAST MINES, INC.	CORN & AHERN CONSULTING GEOLOGISTS TUCSON, ARIZONA
PREPARED BY: CORN & AHERN	To accompany June 1986 report Drilling Results and Recommendations, Bouse Prospect
DATE: APRIL 1984	PLATE 1

R. 18 W.

R. 17 W.

PCM1

STOUT

Butte

VABM

969

TRAIL

JEEP

Mine

BRINDLE

947

SCOTCHMAN MINE

DUTCHMAN MINE

SMITH

RAINES

OLD MAID MINE

TRAIL

JEEP

PCM1

12

13

18

24

19

104

1200

1430

1396

1523

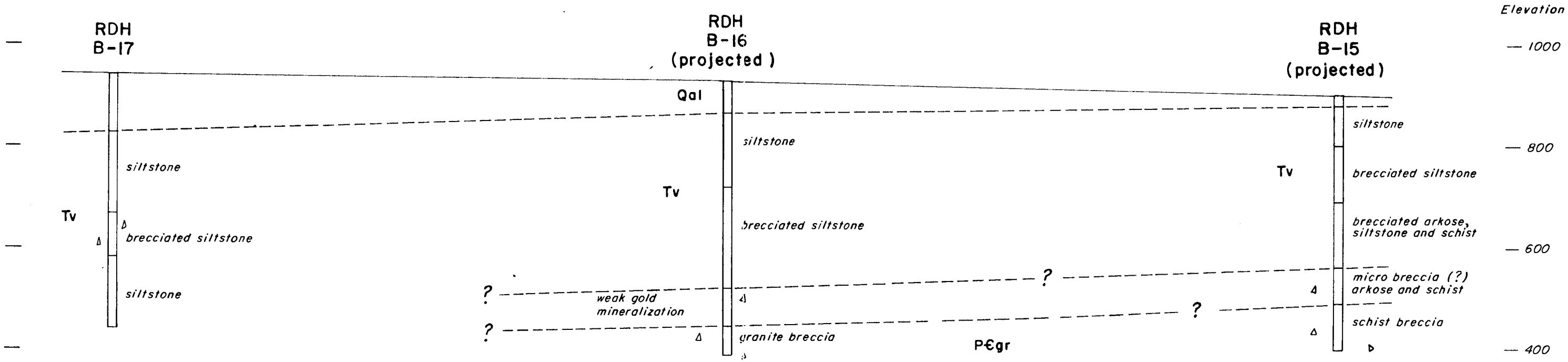
1404

Tv

Tgbr

?

Looking Northwest

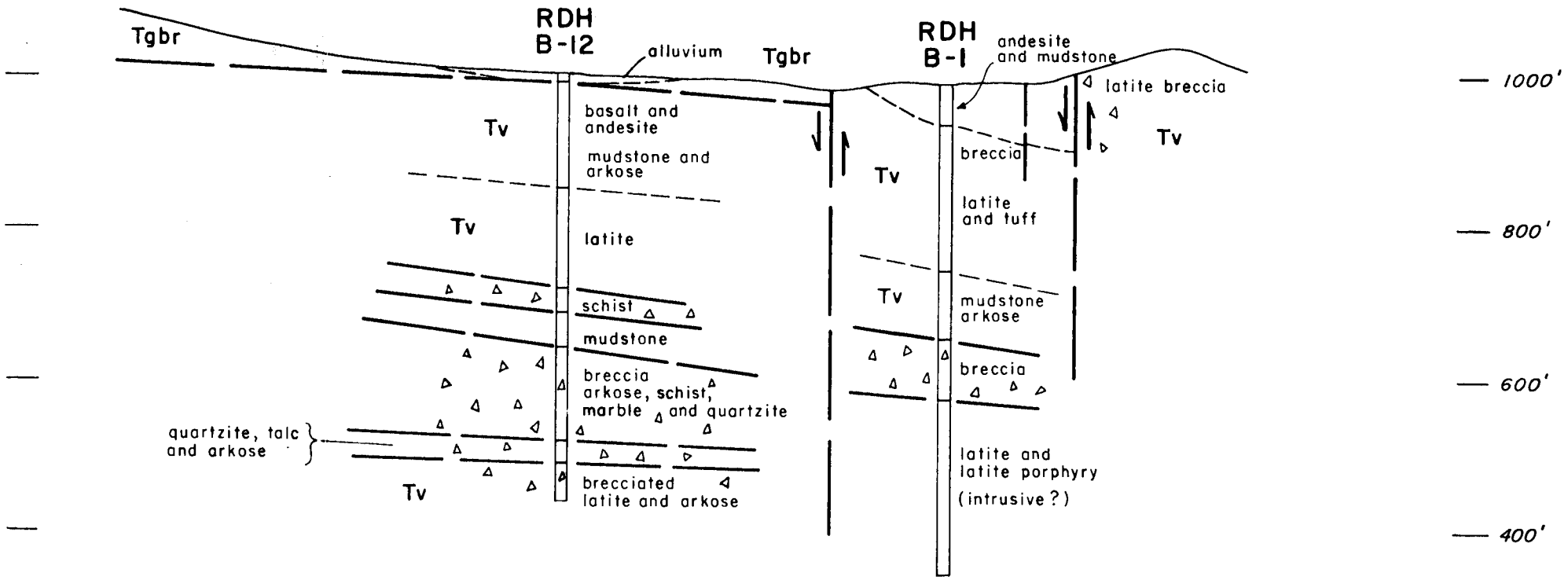


CROSS SECTION THROUGH RDHs B-17, B-16 AND B-15
BOUSE PROSPECT
LA PAZ COUNTY, ARIZONA
1" = 200', H=V

E

E'

Looking Northwest



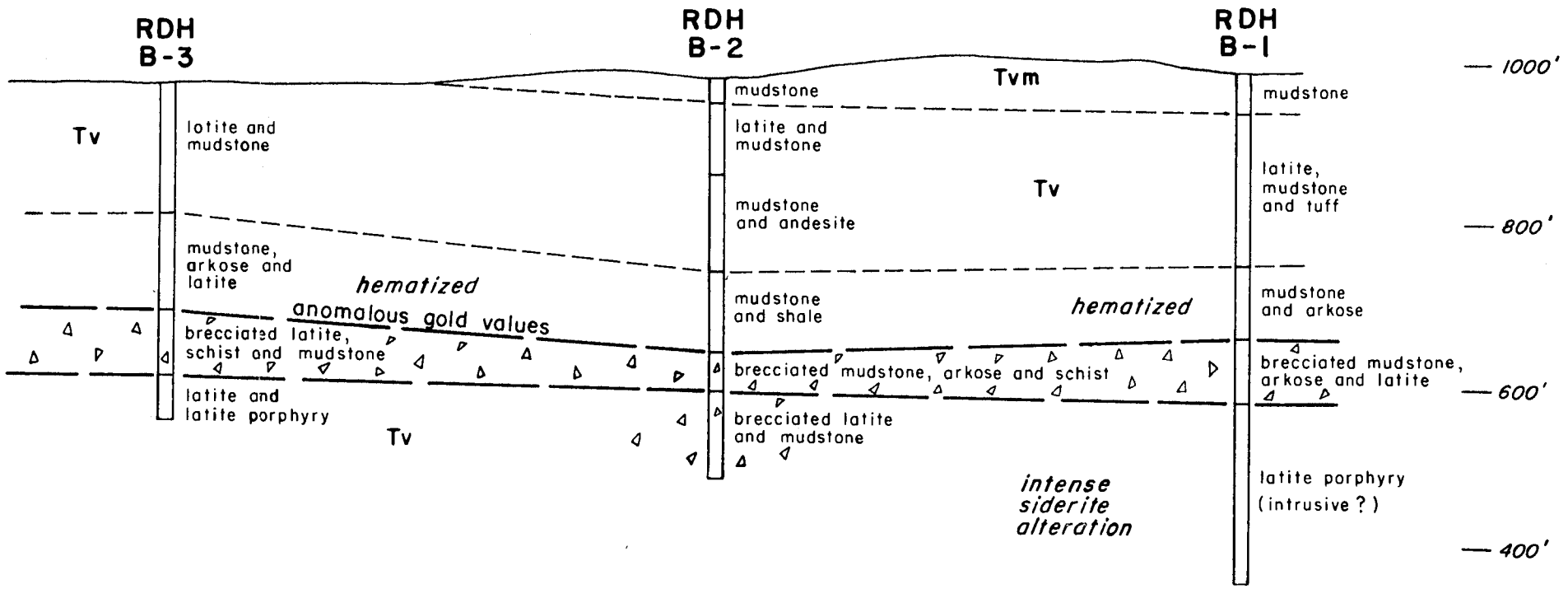
PREPARED FOR: PACIFIC COAST MINES, INC.	*CORN & AHERN CONSULTING GEOLOGISTS TUCSON, ARIZONA*
PREPARED BY: CORN & AHERN	To accompany June 1985 report Drilling Results and Recommendations, Bouse Prospect
DATE: JUNE 1985	PLATE 4

CROSS SECTION THROUGH RDHs B-12 AND B-1
BOUSE PROSPECT
LA PAZ COUNTY, ARIZONA
1" = 200', H=V

F

Looking Northeast

F'



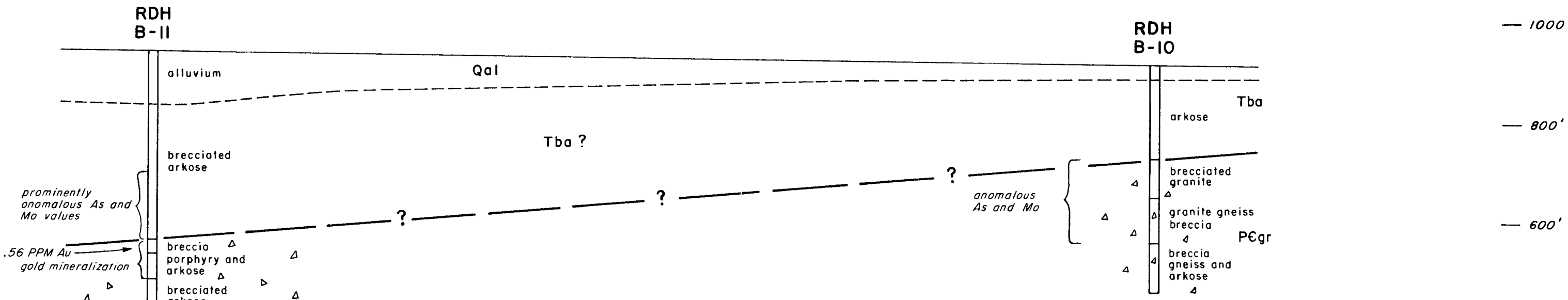
PREPARED FOR: PACIFIC COAST MINES, INC.	*CORN & AHERN CONSULTING GEOLOGISTS TUCSON, ARIZONA*
PREPARED BY: CORN & AHERN	To accompany June 1985 report Drilling Results and Recommendations, Bouse Prospect
DATE: JUNE 1985	PLATE 5

CROSS SECTION THROUGH RDHs B-3, 2 AND 1
BOUSE PROSPECT
LA PAZ COUNTY, ARIZONA
1" = 200', H=V

C

Looking Northwest

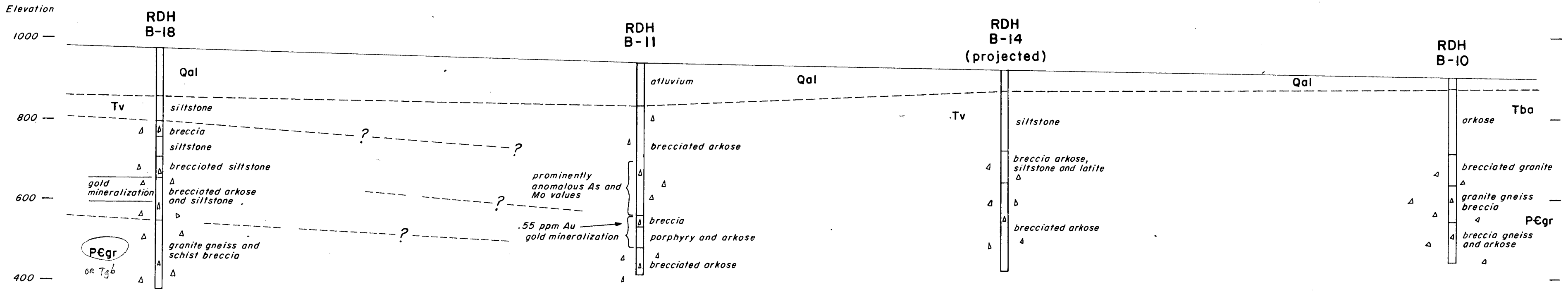
C'



PREPARED FOR: PACIFIC COAST MINES, INC.	*CORN & AHERN* *CONSULTING GEOLOGISTS* *TUCSON, ARIZONA*
PREPARED BY: CORN & AHERN	To accompany June 1985 report Drilling Results and Recommendations, Bouse Prospect
DATE: JUNE 1985	PLATE 2

CROSS SECTION THROUGH RDHs B-11 AND B-10
BOUSE PROSPECT
LA PAZ COUNTY, ARIZONA
1" = 200', H=V

Looking Northwest



CROSS SECTION THROUGH RDHs B-18, B-11, B-14 AND B-10
BOUSE PROSPECT
LA PAZ COUNTY, ARIZONA
1" = 200', H=V