CONTACT INFORMATION
Mining Records Curator
Arizona Geological Survey
416 W. Congress St., Suite 100
Tucson, Arizona 85701
520-770-3500
http://www.azgs.az.gov
inquiries@azgs.az.gov

The following file is part of the

James Doyle Sell Mining Collection

ACCESS STATEMENT

These digitized collections are accessible for purposes of education and research. We have indicated what we know about copyright and rights of privacy, publicity, or trademark. Due to the nature of archival collections, we are not always able to identify this information. We are eager to hear from any rights owners, so that we may obtain accurate information. Upon request, we will remove material from public view while we address a rights issue.

CONSTRAINTS STATEMENT

The Arizona Geological Survey does not claim to control all rights for all materials in its collection. These rights include, but are not limited to: copyright, privacy rights, and cultural protection rights. The User hereby assumes all responsibility for obtaining any rights to use the material in excess of "fair use."

The Survey makes no intellectual property claims to the products created by individual authors in the manuscript collections, except when the author deeded those rights to the Survey or when those authors were employed by the State of Arizona and created intellectual products as a function of their official duties. The Survey does maintain property rights to the physical and digital representations of the works.

QUALITY STATEMENT

The Arizona Geological Survey is not responsible for the accuracy of the records, information, or opinions that may be contained in the files. The Survey collects, catalogs, and archives data on mineral properties regardless of its views of the veracity or accuracy of those data.

ASARCO

Southwestern Exploration Division

JDS

June 16, 1987

FILE NOTE

Copper Bottom
La Cholla Mining District
La Paz County, Arizona

In reference to P.J. Bartos' Exploration Record Sheet of June 11, 1987, I would add the following to his Conclusions and Recommendations:

1. The four anomalous samples (CB-32, 33, 34, 35) all are on or near the hematite-stained Cunningham Mountain Fault (CMF), a 30° or less SE dipping, detachment style fault.

2. The three anomalous samples (CB-24, 28, 29) lie on or near the northwest trending, unnamed, fault which offsets rock units and probably also the Cunningham Mountain fault. Thus implying mineralization post the faulting of the CMF and the unnamed fault.

3. The anomalous "hanging wall" samples CB-11, 12, 14, 18, and possibly CB-9, 16, 17, 21, located in and around the old mine workings, are 2000 to 3500 feet away from the anomalous trace of the Cunningham Mountain Fault.

4. Thus, if the overturned fold-axis in the Copper Bottom Mine area reflects a shear zone control (see P.J. Bartos' "Structure" paragraph) which intercepts the flattish CMF, then a better prepared structural intersection may host improved ore grades. The tourmaline enriched and pyritic samples in the hanging wall exposures may indicate a halo relationship to gold mineralization as such features do across the river at Tumco, California. The reported production of 100 tons of 1.6 oz./ton gold certainly suggests some economic pods in the hanging wall units.

5. Yes, even the old-timers who dug the pits and tunnels found the area intriquing--and so with us.

James D. Sell

JDS:mek

cc: P.J. Bartos
W.L. Kurtz
Copper Bottom ERS

JDS

6/17/87

FROM: W. L. KURTZ

TO: RL Brown / HT Graybeal

An example of the critical review JDSell is making of reports and EPSS submitted to him.

JDS – good review, additions BUT does this make a drill target?

ASARCO

Southwestern Exploration Division

June 16, 1987

Probably not without a further field review by us.

J.

FILE NOTE

Copper Bottom
La Cholla Mining District
La Paz County, Arizona

In reference to P.J. Bartos' Exploration Record Sheet of June 11, 1987, I would add the following to his Conclusions and Recommendations:

1. The four anomalous samples (CB-32, 33, 34, 35) all are on or near the hematite-stained Cunningham Mountain Fault (CMF), a 30° or less SE dipping, detachment style fault.

2. The three anomalous samples (CB-24, 28, 29) lie on or near the northwest trending, unnamed, fault which offsets rock units and probably also the Cunningham Mountain fault. Thus implying mineralization post the faulting of the CMF and the unnamed fault.

3. The anomalous "hanging wall" samples CB-11, 12, 14, 18, and possibly CB-9, 16, 17, 21, located in and around the old mine workings, are 2000 to 3500 feet away from the anomalous trace of the Cunningham Mountain Fault.

4. Thus, if the overturned fold-axis in the Copper Bottom Mine area reflects a shear zone control (see P.J. Bartos' "Structure" paragraph) which intercepts the flattish CMF, then a better prepared structural intersection may host improved ore grades. The tourmaline enriched and pyritic samples in the hanging wall exposures may indicate a halo relationship to gold mineralization as such features do across the river at Tumco, California. The reported production of 100 tons of 1.6 oz./ton gold certainly suggests some economic pods in the hanging wall units.

5. Yes, even the old-timers who dug the pits and tunnels found the area intriquing--and so with us.

James D. Sell

JDS:mek

cc: P.J. Bartos
W.L. Kurtz
Copper Bottom ERS

JDS

ASARCO EXPLORATION RECORD
(Attach Highway-Type Location Map)

FIELD EXAMINATION /X/ LITERATURE SEARCH / /
ASARCO FILE / / SUBMITTAL / /

SECTION 1: GENERAL INDEXING

NAME OF PROPERTY OR AREA: Copper Bottom
MINING DISTRICT: La Cholla
COUNTY: La Paz
STATE OR PROVINCE: Arizona
LATITUDE: 33°35'
LONGITUDE: 114°20'
FILE:
AMS SHEET: Salton Sea
USGS QUADRANGLE: Cunningham Mtn. 7½
TOWNSHIP: T3N, R20W
SECTION: 28
EXAMINED BY: Paul J. Bartos
OFFICE: RMED
FIELD DAYS: 2
DATE ENTERED: June 11, 1987

SECTION 2: SOURCES OF INFORMATION

REFERENCES:

Marshak, S., 1980, A preliminary study of Mesozoic geology in the southern Dome Rock Mountains, southwestern Arizona: Arizona Geol. Soc. Digest, v. 12, p. 123-133.

SECTION 3: APPRAISAL

CONCLUSIONS: Action Now / /; Too Low Grade /X/; Too Small / /; Ownership Problem / /; Access Problem; / /
BASIS: Geologic Concept /X/; Geochemical Anomaly / /; Geophysical Anomaly / /; Other / /
SUPPORT DATA: Spectrographic Analysis Attached / /; Assays Attached /X/ Geochemical Results Attached / /; Geophysical Results Attached / / Geologic Map Attached /X/; Other / /
HISTORY: Producer / /; Past Producer /X/; Prospect / /; Mineral Deposit / /; Mineral Occurrence / /
PRODUCTION (Commodity, Tons, Grade): 100 tons, 19% Cu, 1.6 oz/T Au, 27 oz/T Ag — but not in PJB's samples.
RESERVES (Commodity, Tons, Grade): Measured / /; Estimated / /
NUMBER OF DRILL HOLES: 0
APPROXIMATE TOTAL FOOTAGE: 0
EXCAVATIONS: Several tunnels and shafts on property

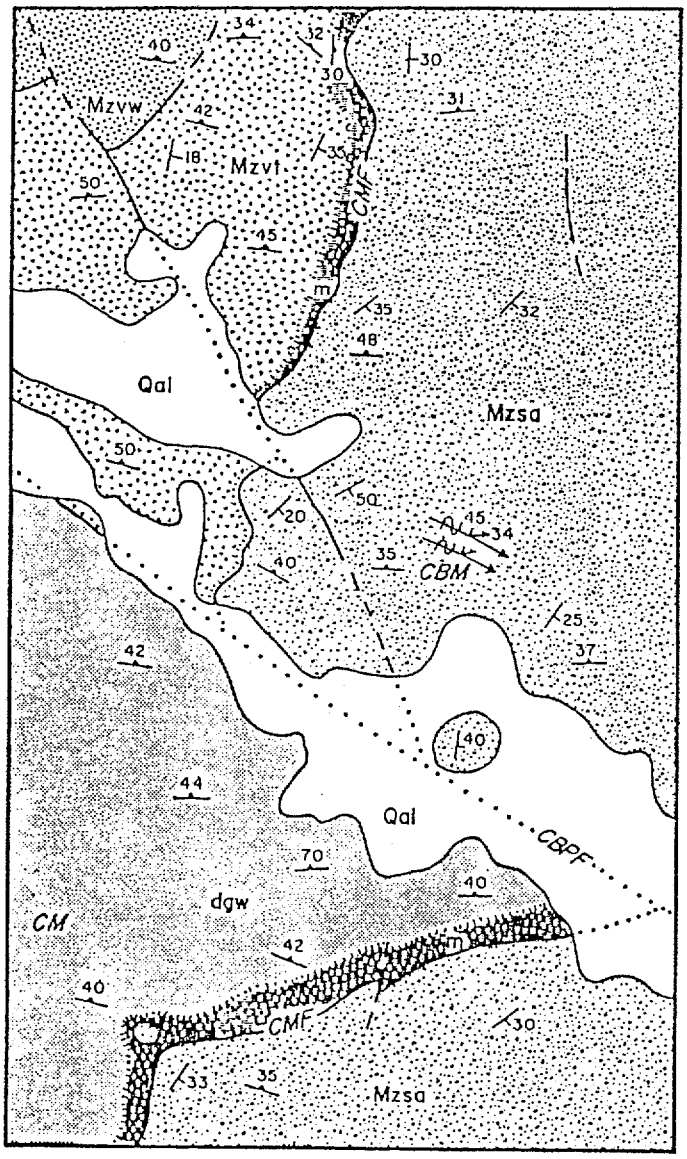
SECTION 4: GEOLOGIC DATA

COMMODITY: Au, Ag, Cu
ORE MINERALS (Major and Minor): quartz, tetrahedrite, native Au
HOST ROCKS (Major and Minor): Calcareous quartz sandstone interbedded with phylite
AGES OF HOST ROCKS: Mesozoic
NATURE OF EXPOSURES: Steep cliff face. Major NW left lateral fault, poorly exposed in wash.
ALTERATION: Minimal (Qtz veins in qtzite w/ little or no selvages).
TOTAL EXTENT OF ALTERATION: ---
STRUCTURE: Veins localized by a pair of overturned synclines. Major left-lateral strike-slip fault occurs in area. Detachment fault underlies the mine at shallow depth.
ORE OCCURRENCE: Ore occurs as a series of qtz-tourmaline ± bn calcite veins perpendicular to bedding.
AGE OF MINERALIZATION: ?
CONCLUSIONS AND RECOMMENDATIONS:

Copper Bottom consists of a series of metamorphic(?) quartz-tourmaline veins perpendicular to bedding in quartzite. The veins die out in the interbedded phyllites. Crude channel samples of veins and wallrock contain scattered anomalies of As, Sb, Te, and rarely Mo and Ag but NO Au. The anomalies are not particularly consistent and they typically occur on developed workings or associated with locally occurring Cu-oxides. A detachment fault occurs at shallow depth beneath the metamorphic veins. A hematized portion of the detachment is anomalous in As, but overall the detachment does not look like a particularly favorable structure. Although intruiging, I do not believe any further work in Copper Bottom is warranted.

(Cu, Mo, Zn & Ga

AUTHOR'S SIGNATURE: Paul J Bartos
DATE: June 11, 1987



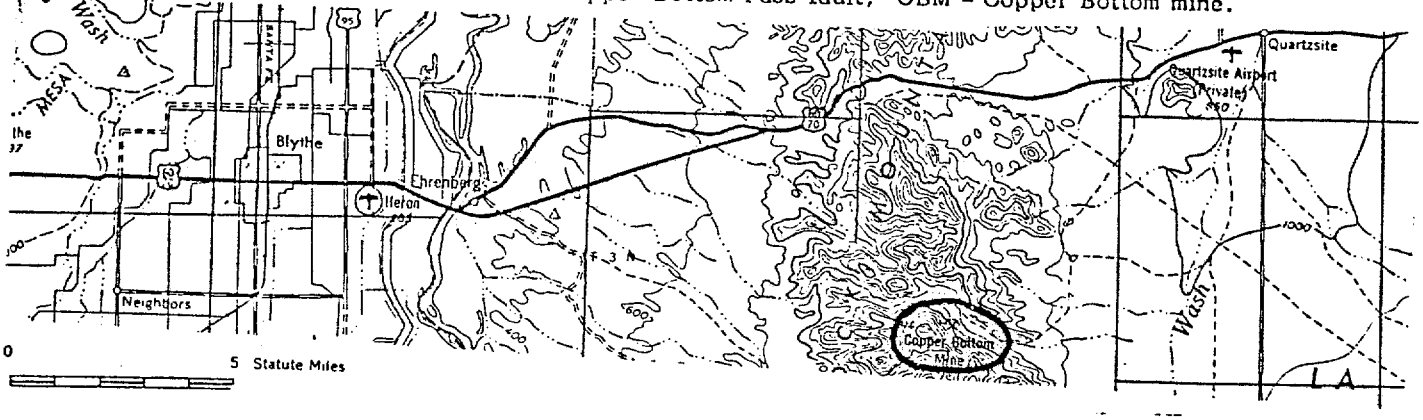
GENERALIZED GEOLOGIC MAP, COPPER BOTTOM PASS AREA

QAL	QUATERNARY ALLUVIUM
M	MYLONITE SCHIST
MZSA	MESOZOIC SEDIMENTARY ROCKS, UNIT A
MZVT	MESOZOIC META-VOLCANICS, TUFF AND ANDESITE(?)
MZVW	MESOZOIC TAN META-VOLCANIC WACKE
DGW	DARK GREY META-VOLCANIC WACKE OF CUNNINGHAM MT.

- DEPOSITIONAL CONTACT
- GRADATIONAL CONTACT
- FAULT
- STRIKE AND DIP OF BEDDING
- STRIKE AND DIP OF FOLIATION
- FOLD - STRIKE AND DIP OF AXIAL PLANE, TREND AND PLUNGE OF FOLD AXIS SHOWN, WITH DOWN-FOLD PROFILE

N 0 km 0.5

Fig. 4. Generalized geologic map of the Copper Bottom Pass area, Dome Rock Mountains. CMF = Cunningham Mountain fault; CBPF = Copper Bottom Pass fault; CBM = Copper Bottom mine.



GEOCHEMICAL SERVICES INC.

GEOCHEMICAL ANALYSIS REPORT

LOT ID: ASC-70319D

Ag>1 As>10 Hg>1 Sb>10 Te>1

SAMPLE ID	#	Ag ppm	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Pd ppm	Pt ppm	Se ppm	Sn ppm	Te ppm
CB 1	14	.106	<1.30	.003	14.1	<.09	1.31	31.8	1.07	<.45	4.24	<.225	<.249	<.45	<.09	<.225	<.901	<.45	<.45
CB 2	15	.100	<.963	.003	28.5	<.096	1.04	1.90	3.60	<.482	4.71	<.241	<.241	<.482	<.096	<.241	<.963	.507	<.482
CB 3	16	.110	<1.12	.003	10.8	.140	1.39	1.02	2.81	<.433	4.06	<.217	<.217	<.433	<.087	<.217	<.867	.456	<.433
CB 4	17	.087	<2.03	.003	16.2	<.093	1.35	.852	3.86	<.467	3.93	<.234	<.234	<.467	<.093	<.234	<1.31	.469	<.467
CB 5	18	.097	1.26	.003	23.6	<.087	1.14	.691	3.94	<.435	4.29	<.217	<.217	<.435	<.087	<.217	<1.74	<.435	<.435
CB 6	19	.038	1.47	.003	60.6	.217	.845	1.18	1.71	<.462	18.2	<.231	<.231	<.462	<.092	<.231	<1.93	.516	<.462
CB 7	20	.228	<.862	.002	5.49	<.086	.525	1.11	.453	<.431	3.92	<.216	<.216	<.431	<.086	<.216	<.862	<.431	<.431
CB 8	21	.071	4.67	.003	8.44	.139	3.90	3.65	1.20	<.484	21.5	<.242	.311	<.484	<.097	<.242	<1.64	<.484	<.484
CB 9	22	.09	1.65	.003	151.	.105	3.28	2.58	1.20	<.454	7.20	.664	<.227	<.454	<.091	<.227	<.907	<.454	.483
CB 10	23	.071	6.09	.003	40.6	.092	2.13	6.85	4.44	<.453	28.3	.386	.352	<.453	<.091	<.226	<1.93	<.453	<.453
CB 11	24	.932	298.	.024	3973	19.3	3.33	3.04	1167	<.441	419.	<.22	5.53	<.441	<.088	<.22	<.999	<.441	<.441
CB 12	25	.098	8.57	.003	86.0	.363	2.10	1.25	30.1	<.436	32.8	<.218	.256	<.436	<.087	<.218	<1.52	<.436	<.436
CB 13	26	.026	1.25	.003	8.83	<.084	.416	3.29	3.33	<.422	41.2	<.211	<.311	<.422	<.084	<.211	<1.37	.500	<.422
CB 14	27	.118	6.53	.003	88.4	.169	1.64	.915	12.0	<.447	11.1	<.224	<.224	<.447	<.089	<.224	<2.91	<.447	<.447
CB 15	28	.065	3.34	.005	64.5	<.087	1.44	.840	2.34	<.433	8.27	.266	<.217	<.433	<.087	<.217	<.867	.485	<.433
CB 16	29	.067	1.55	.005	116.	<.095	.339	1.27	1.34	<.475	22.3	.295	.416	<.475	<.095	<.238	<2.07	<.475	<.475
CB 17	30	.144	2.98	.002	147.	<.092	2.08	1.16	5.78	<.461	5.90	<.231	.370	<.461	<.092	<.231	<.923	.470	<.461

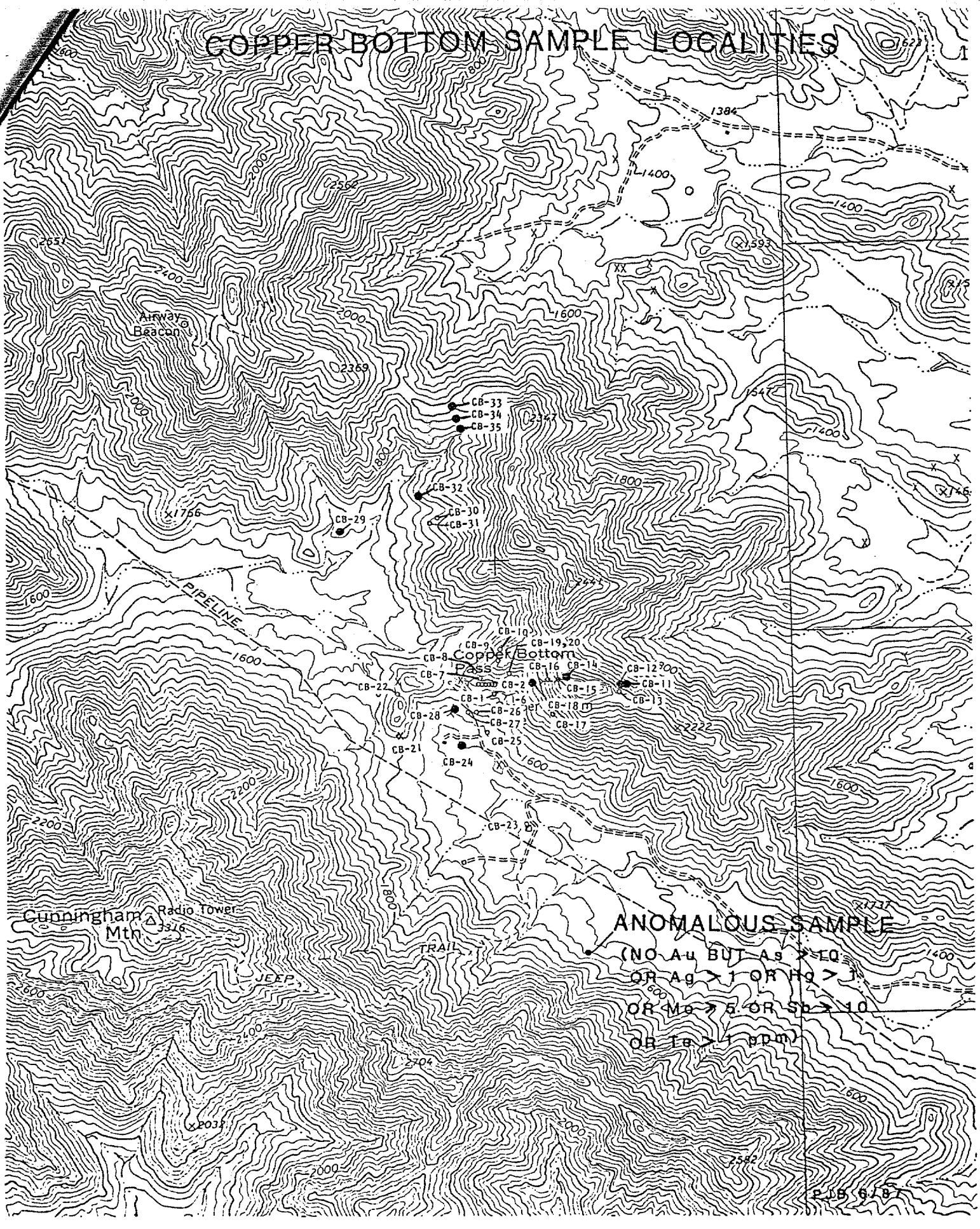
2741 Toledo Street Suite 211 • Torrance, California 90503 • Telephone 213/320-3680
55 Glen Carran Circle • Sparks, Nevada 89431 • Telephone 702/359-6600

GEOCHEMICAL SERVICES INC.

GEOCHEMICAL ANALYSIS REPORT

LOT ID: ASC-70319D

SAMPLE ID	#	Ag ppm	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Pd ppm	Pt ppm	Se ppm	Sn ppm	Te ppm
CB 18	31	.463	16.7	.004	206.	.171	2.24	14.8	52.2	<.461	75.5	<.231	1.19	<.461	<.092	<.231	<1.07	<.461	1.45
CB 19	32	.136	2.78	.003	95.3	<.087	2.38	2.65	3.55	<.433	5.61	<.216	.340	<.433	<.087	<.216	<.865	.595	<.433
CB 20	33	<.024	<1.17	.003	14.3	<.095	.176	1.96	<.238	<.476	23.9	<.238	<.238	<.476	<.095	<.238	<.952	<.476	<.476
CB 21	34	.049	4.95	.017	3.35	.156	1.70	35.7	<.233	<.466	8.94	.337	.819	<.466	<.093	<.233	<1.33	<.466	8.84
CB 22	35	.066	<.967	.003	5.20	.130	.851	13.9	<.242	<.484	6.57	.717	.985	<.484	<.097	<.242	<1.50	<.484	.696
CB 23	36	.028	.876	.003	7.03	<.084	2.73	5.97	1.38	<.419	8.22	<.21	.283	<.419	<.084	<.21	<1.13	<.419	<.419
CB 24	37	<.022	9.17	.004	42.2	.188	38.3	9.10	3.82	<.43	34.2	97.3	.352	<.43	<.086	<.215	12.4	<.43	47.2
CB 25	38	.143	2.70	.004	60.2	<.095	1.76	6.24	7.65	<.475	6.94	.646	.505	<.475	<.095	<.238	<.987	<.475	<.475
CB 26	39	.084	1.69	.003	33.9	<.088	2.13	2.26	3.21	<.438	6.73	4.62	<.219	<.438	<.088	<.219	<1.12	.572	.557
CB 27	40	.082	<1.06	.003	4.41	<.107	.558	2.65	<.231	<.461	22.4	<.231	.303	<.461	<.092	<.231	<1.38	<.461	<.461
CB 28	41	2.14	9.48	.01	11.7K	10.6	11.0	75.8	8.29	<.488	12.7	1.67	.674	<.488	<.098	<.244	<.984	<.488	<.488
CB 29	42	.100	78.8	.002	96.6	.132	4.35	20.7	<.235	<.47	83.6	.356	.465	2.16	<.094	<.235	<1.39	.569	<.47
CB 30	43	<.023	2.35	.002	22.3	<.091	2.09	3.67	<.229	<.457	5.65	<.229	.256	<.457	<.091	<.229	<.970	.467	<.457
CB 31	44	<.023	5.90	.003	5.17	<.092	<.092	3.58	<.231	<.461	16.0	<.231	.235	<.461	<.092	<.231	<1.90	<.461	<.461
CB 32	45	.026	27.3	.004	70.5	<.094	.953	3.30	<.235	<.471	109.	.241	.345	5.26	<.094	<.235	<1.34	<.471	<.471
CB 33	46	.032	27.8	.003	65.2	<.085	1.58	3.58	<.212	<.423	123.	<.212	.381	5.04	<.085	<.212	<.846	<.423	<.423
CB 34	47	.053	36.0	.004	83.6	<.088	4.47	4.37	<.240	<.44	144.	<.22	.454	6.40	<.088	<.22	<1.76	<.44	<.44
CB 35	48	.057	48.9	.004	126.	<.09	2.34	3.67	<.261	<.448	189.	<.224	.435	9.68	<.09	<.224	<1.10	<.448	<.448


COPPER BOTTOM SAMPLE LOCALITIES
Airway Beacon
CB-33
CB-34
CB-35
CB-32
CB-30
CB-31
CB-29
PIPELINE
Copper Bottom Pass
CB-10
CB-9
CB-19,20
CB-8
CB-7
CB-16
CB-14
CB-12
CB-11
CB-22
CB-2
CB-15
CB-1
CB-6
CB-18
CB-13
CB-28
CB-26
CB-27
CB-17
CB-25
CB-21
CB-24
CB-23
Cunningham Mtn
Radio Tower
TRAIL
JEEP
ANOMALOUS SAMPLE
(NO Au BUT As > 10
OR Ag > 1 OR Hg > 1
OR Mo > 5 OR Sb > 10
OR Te > 1 ppm)
PJB 6/87

Copper Bottom
La Paz County, Arizona
Sample Description

CB-1 Qtz-tourmaline veins in white bleached(?) qtzite. Veins 1-4" across, strike 340, (NNW) 85°, sample approx. 15', includes wallrock and veins. Vein zone (higher up hill approx. 60' wide). This appears to be hanging wall of Copper Basin Mine.

CB-2 Same as CB-1, approx. 10' channel sample of veins and qtzite wallrock, approx. 25% qtz vein.

CB-3 Same as CB-1, approx. 20' channel sample of qtz-tourm veins and qtz wallrock.

CB-4 Approx. 30' channel sample of qtz-tour veins (1-6") and white qtzite wall, tourmaline principally restricted to vein-wallrock contact.

CB-5 Same as CB-4 (behind small ridge), approx. 30 ft. of vein zone. Samples started east and in qtzite are working west.

CB-6 Slightly lower, approx. 20 channel sample of tourmaline bearing, pyritized schist, poorly exposed, mostly covered by talus below qtzite, more or less below sample CB-5, contact: 31S, 45N. Veins pinch down in the phyllite.

CB-7 Brecciated, sheared qtzite, no qtz veinfilling, zone of shearing (multiple directions) approx. 30'.

CB-8 Irregular qtz-brown calcite-tourmaline vein pod in sericite-tourmaline-pyrite phyllite and qtzitic ss. Vein pod essentially restricted to coarser grained qtzitic ss.

CB-9 White qtz stockwork zone at qtzite-phyllite (w/ large py cubes up to 3/4") contact, veins tend to strike 350° -- some veins clearly // to bedding. Most veins die upon reaching the phyllite.

CB-10 Qtz-(brn cal)-tour stockwork in qtzitic-muscovite tourmaline ss.

CB-11 Qtz vein stockwork in white qtzite. Local amounts of Cu-oxide veins approx. 2-3 per foot. Veins (1/2-3") are perpendicular to bedding. Phyllite below qtzite has only minimal veins. It appears that the qtz veins are "metamorphic segregations" from the ss bed. Strike of bed: 240, 24S. Veins have same strike (approx. vertical dip).

CB-12 Contact between qtz-tour-(brn calc) veined qtzite and weakly pyritized phyllite which has a feq qtz vnlts. Sample approx. 50% of each rock type.

CB-13 Grey phyllite above qtzite, sericite py casts (3-5%), essentially no qtz veining.

CB-14 Qtz-tourmaline vein in qtzite. Again underlying phyllite is qtz vnlt free (but does have pyrite). Sample is of veins and wallrock, approx. 10 ft. channel sample.

CB-15 Light tan qtzite cut by qtz-tour-bn cal vnlts.

CB-16 Pyritized (5%) sericite phyllite adjacent to vein adit sunk on 2-3' qtz-bn calc, CuOx stained vein in qtzite. Bornite-chalcocite seen in vein frags.

CB-17 Qtz-tourmaline-bn cal veins in white qtzite.

CB-18 Qtz-tour vein zone in qtzite, approx. 10' channel sample, 30% vein, 70% wallrock.

CB-19 Qtz-tour vein zone through white qtzite.

CB-20 Grey sericitic phyllite underlying qtzite, tr. py casts, no

qtz veining.

CB-21 Prospect pit: irregular "pegmatite" qtz-bn calc-tour vein in muscovite-tourmaline schist. Sample is approx. 50% vein, 50% wallrock.

CB-22 40' zone of white qtz-calcite veining. Anastomosing veins, very little wallrock.

CB-23 Qtzite w/ weak patchy hematite staining.

CB-24 Qtzite cut by white qtz-brn calcite vnlts (2-3" thick), 1 vein per yard sample across 10 ft.

CB-25 Massive qtz vein up to 10' wide in tan qtzite, sample taken of a 50' diameter.

CB-26 Tan qtzite cut by 1' qtz vnlts w/ tour, 1 vein per 4', approx. 30 ft. channel sample.

CB-27 Grey sericite phyllite, 2-3% py casts, approx. 20' beneath qtz veined qtzite. Phyllite cut by rare 1-2" qtz-tourmaline veins sub// to bedding. Qtzite cut by many qtz veins perpendicular to bedding.

CB-28 Qtzite cut by abundant stockwork qtz veins & vnlts, patch CuOx (malachite) seen.

CB-29 Fe-stained phyllite cut by thin qtz vnlts.

CB-30 1-2" qtz veins in qtzite, 1 vein per foot.

CB-31 Schist associated w/ Cunningham Mt. (detachment?) fault. Silver grey, near phyllitic. Does not appear to be altered.

CB-32 Slightly Fe-stained (hem) schist w/in detachment fault? caused by 1% fine py cubes.

CB-33 Red and green schist, stockwork bleached zone. Strong red hem anomaly approx. 100 ft. wide.

CB-34 Strongly hematized schist (hem)10%), bleached stockwork, zone approx. 70' across.

CB-35 Hematite stained schist. Hematite zone strikes 337°, oblique to schistosity.

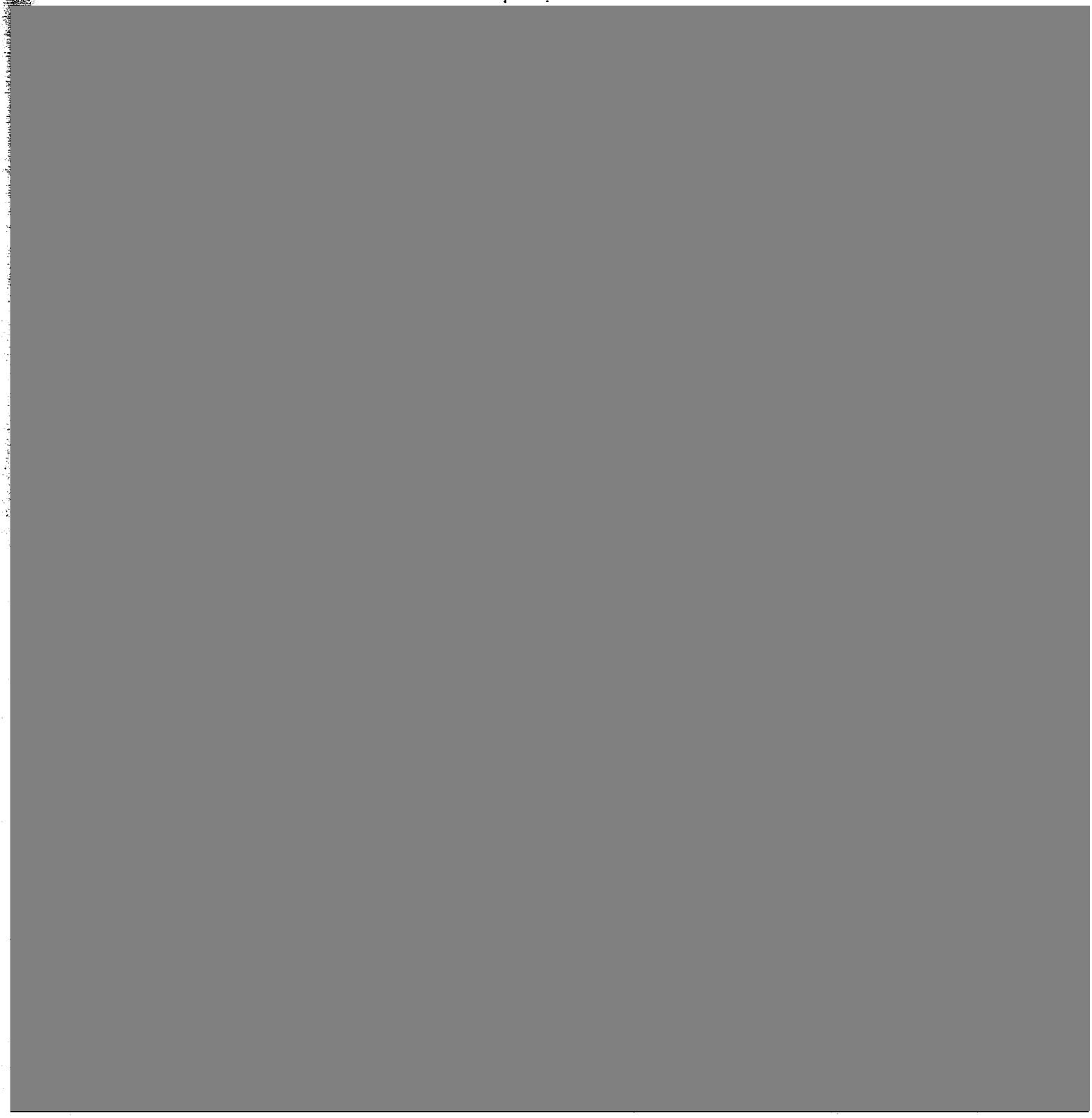
Summary of Cunninham Mt. (detachment?) fault -- not a whole lot to be seen. Difficult to state exactly where the fault is (just that it's probably within a schist zone). Schist doesn't look particularly brecciated or altered. I suspect it would be a poor ore hosting structure (but this is based on a limited traverse).

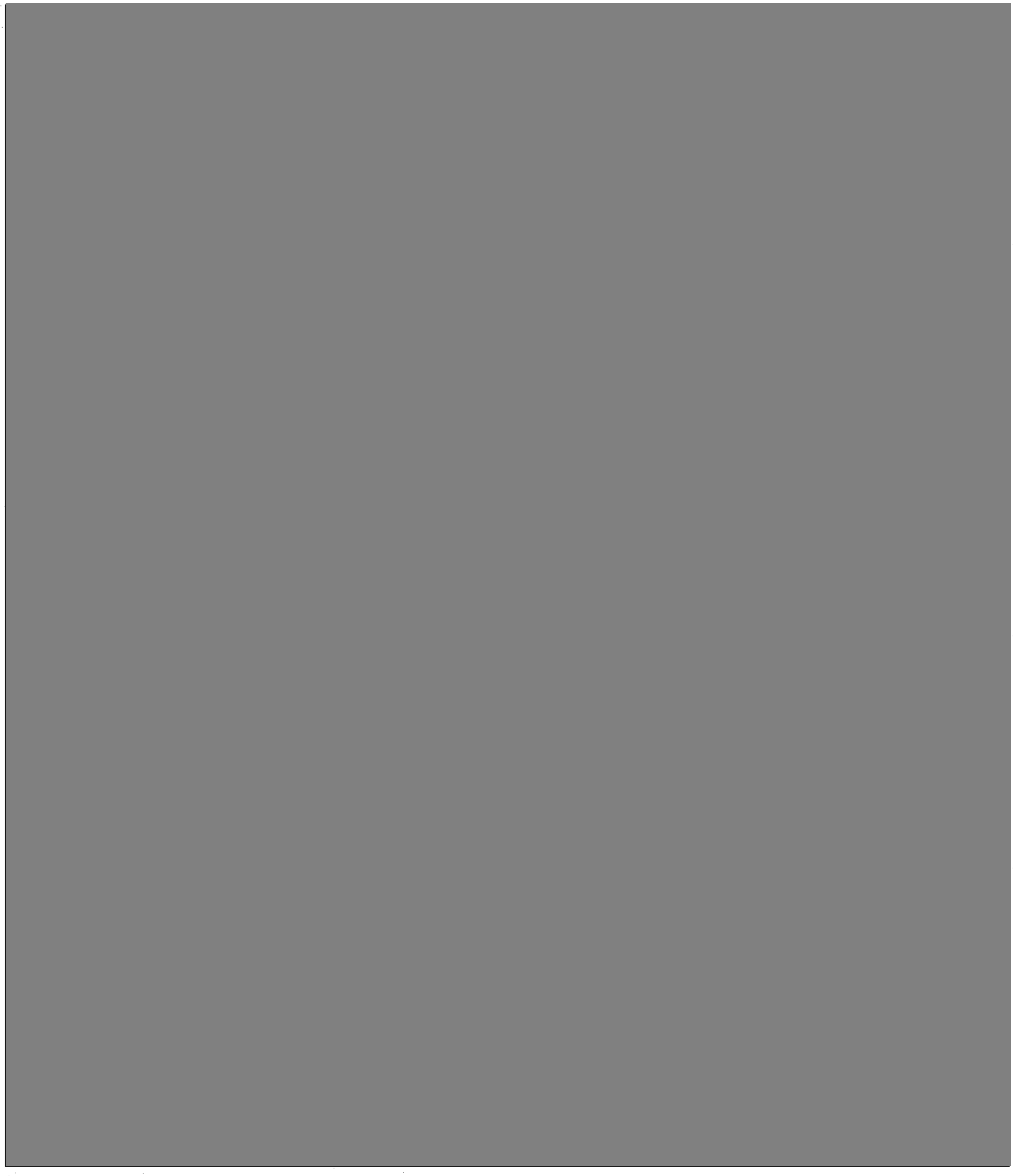
Copper Bottom

A Preliminary Study of Mesozoic Geology in the Southern Dome Rock Mountains, Southwestern Arizona

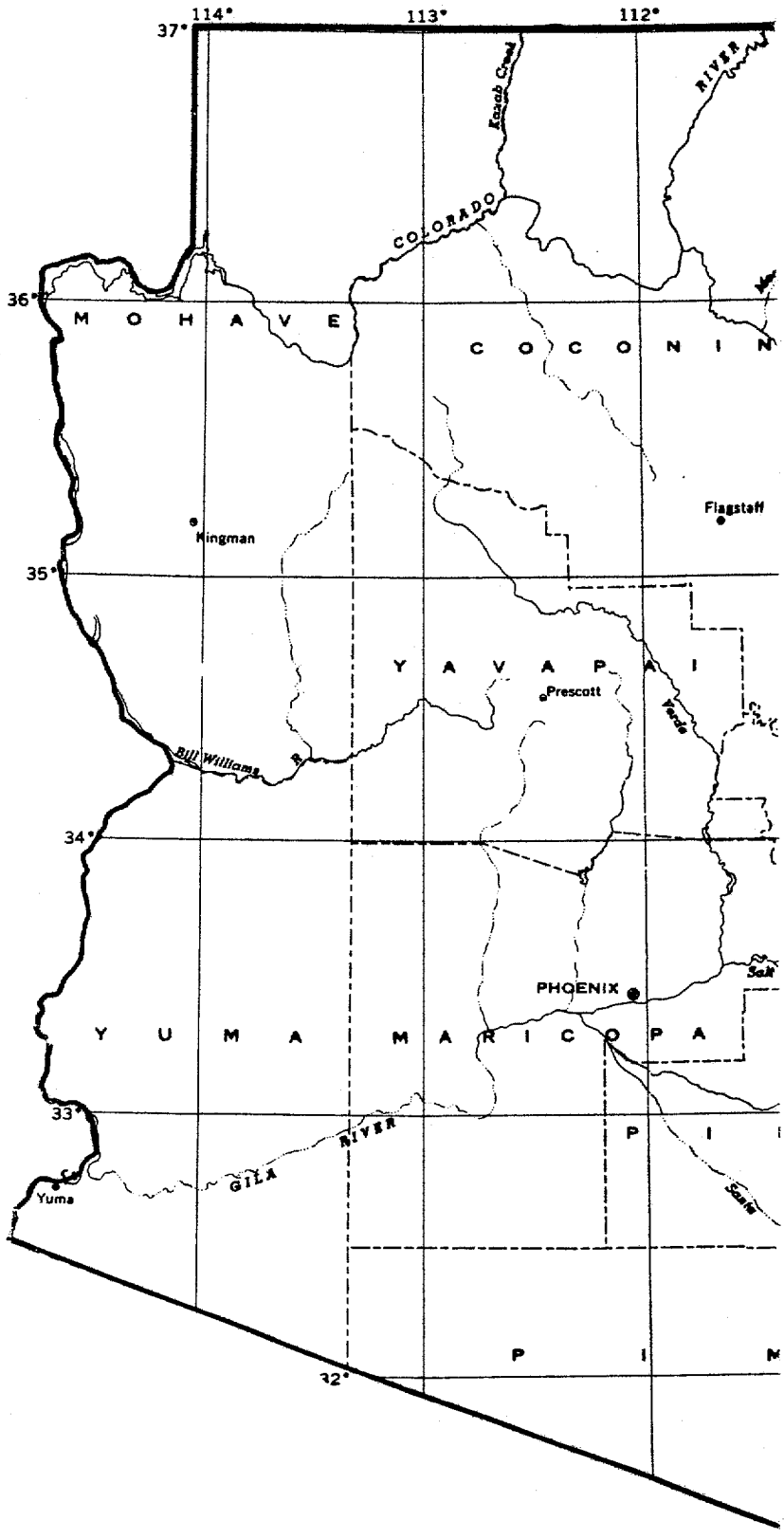
by

Stephen Marshak[1]





STUDIES IN WESTERN ARIZONA



Edited by
Judith P. Jenney
and
Claudia Stone

ARIZONA GEOLOGICAL SOCIETY DIGEST VOLUME XII

Tucson, Arizona

May, 1980

To: ~~WLK~~ JDS

Date ______ Time ______ AM / PM

WHILE YOU WERE OUT

M Steward Jackson

of ______

Phone ( ) ______
Area Code / Number / Extension

TELEPHONED		PLEASE CALL	
CALLED TO SEE YOU		WILL CALL AGAIN	
WANTS TO SEE YOU		URGENT	
RETURNED YOUR CALL			

Message: holding

has worked w/ John Balla
who see him or me.

Operator

AMPAD EFFICIENCY® REORDER #23-000

Monument Resources

1918-1922
churn drilling
Tyson Wash
10 mi S of Quartzsite
La Cholla Placer

Tony Faust.
Denver
303-688-3993

"Going after hi-grade veins in bedrock below gravels"
come see them - Tony says.
12-20-91 Telephone to him to tell about USSR&M

(also man named Draper collected on the "Cholla" placers, which lays north of La Cholla & Queens the Yumyum mine. Yuba Dredging drilled once FYI)

La Cholla Placers is AZ Gold Placers, AZ Bur of Mines Bull ~~No 10~~ 16/142 (1937)

~~King Placer Consolidated.~~

Desert Wonder Placers ~~Kuhn 1935~~ →

La Posa Development Co,

Drilling done by United States Smelting. Refining & Mining Co, on Little Lulu claims. , 4 holes on Joe Noble dia
200 mill cu yds at 0.25/yd.

ck GM Colvocoresses report of ±1946 ?

also have letter of 1951 from A R Boyd, Jr to Frank Shaw ASR saying ASR drilled in 1922
but ASR in 1951 couldn't find any records ~~(but USSRM)~~
Frank Shaw called Boyd & said USSRM did drilling ~~Frank Shaw~~