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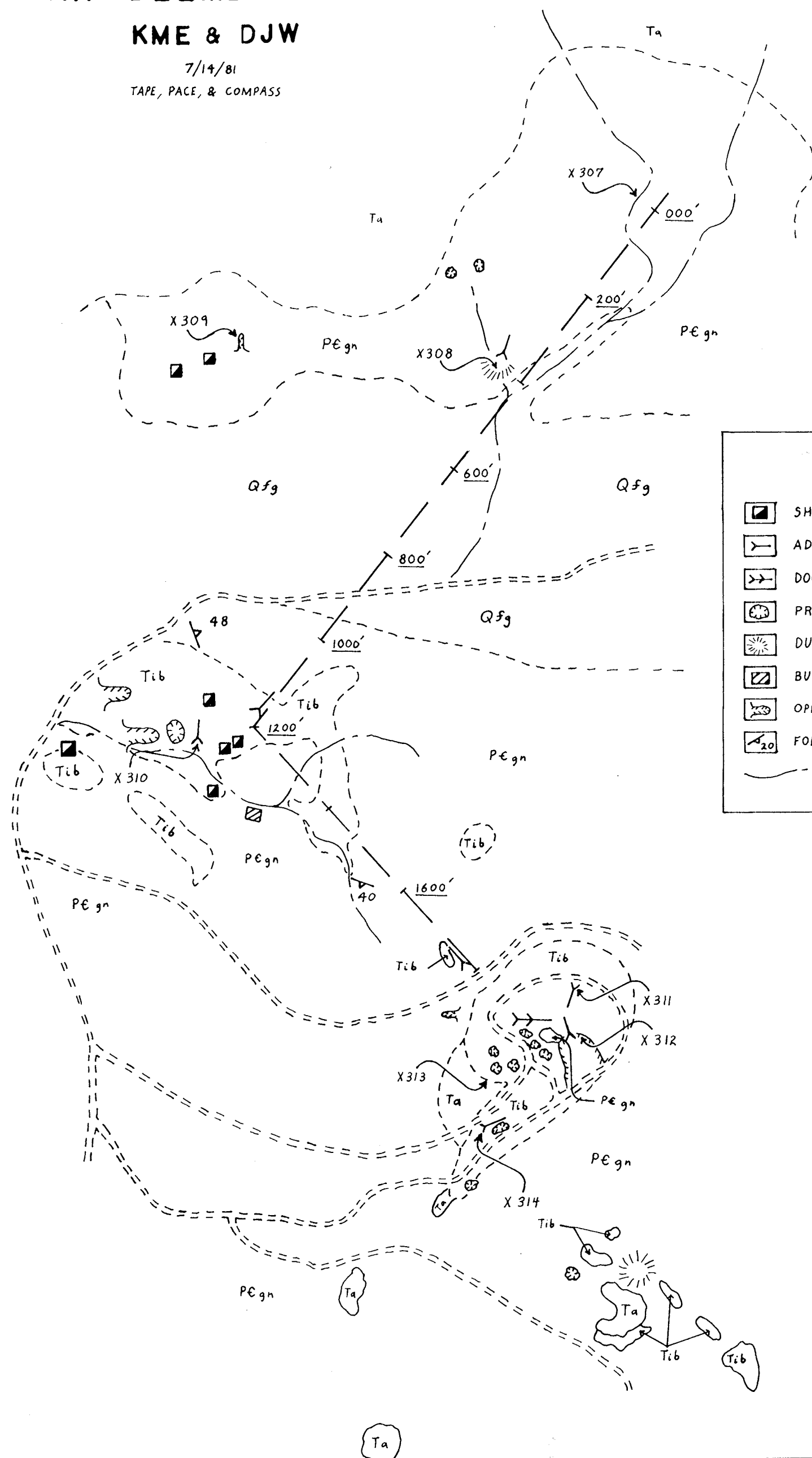
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VAN DEEMEN MINE

KME & DJW

7/14/81

TAPE, PACE, & COMPASS



N

MN

15.5

200'

SCALE 1:2400

KEY

- | | | | |
|--|------------------------|--|--------------------------------|
| | SHAFT | | QUATERNARY FUNGLOMERATE |
| | ADIT | | TERTIARY (?) INTRUSIVE BRECCIA |
| | DOUBLE ADIT | | TERTIARY (?) ANDESITE |
| | PROSPECT PIT | | PRE-CAMBRIAN GNEISS |
| | DUMP PILE | | 200' TRAVERSE LINE |
| | BUILDING | | UNPAVED ROAD |
| | OPEN CUT | | FORMATION CONTACT |
| | FOLIATION STRIKE & DIP | | APPROXIMATE FORMATION CONTACT |
| | WASH | | |

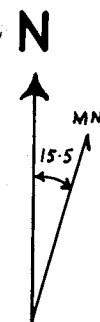
MOCKINGBIRD MINE

KME & DJW

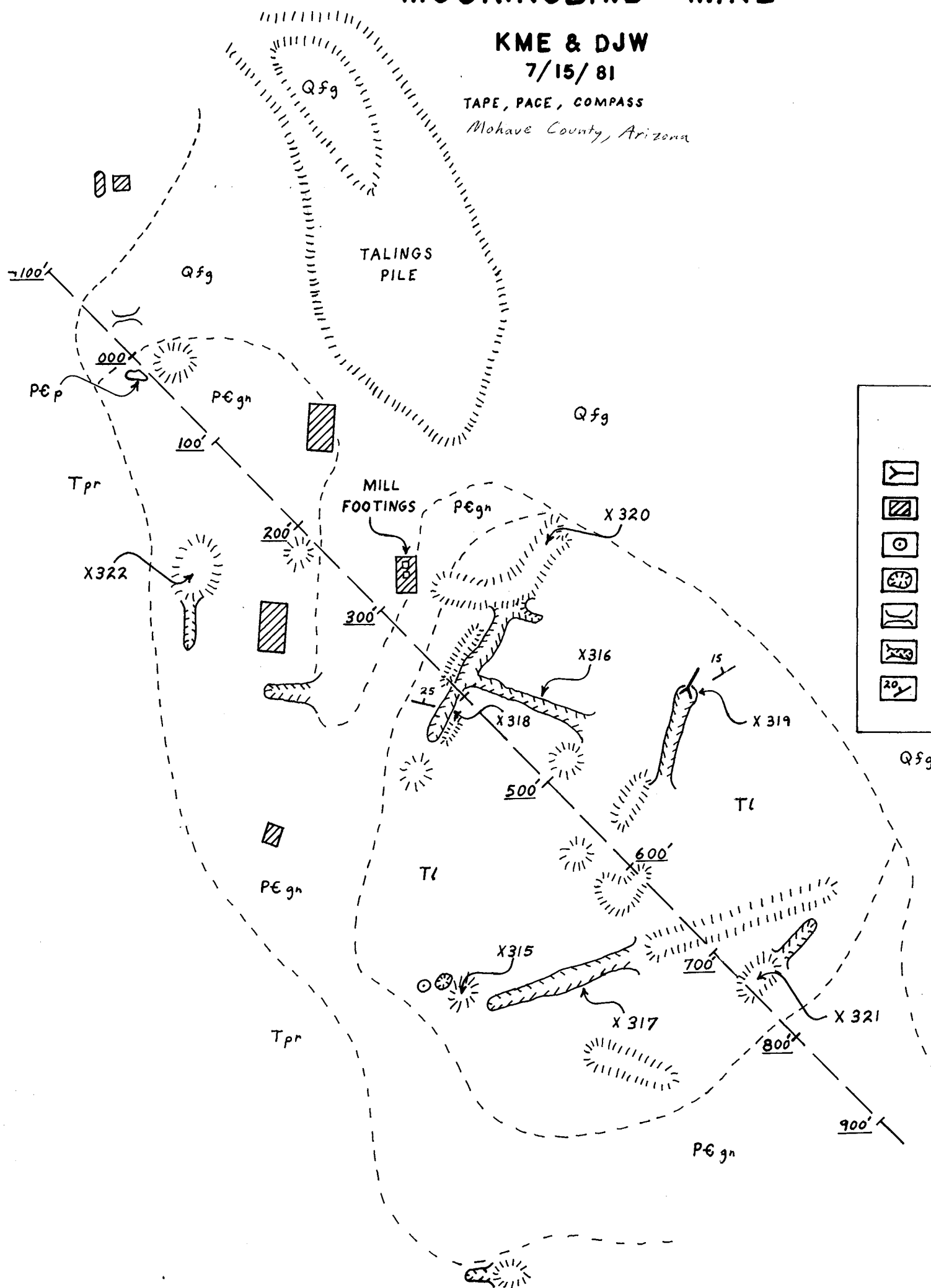
7/15/81

TAPE, PACE, COMPASS

Mohave County, Arizona



100'
SCALE 1:1200



KEY

	ADIT		QUATERNARY FANGLOMERATE
	BUILDING		TERTIARY LAMPROPHYRE
	WATER WELL		TERTIARY RHY. PORPHYRY
	PROSPECT PIT		PRE-CAMBRIAN GNEISS
	OPEN TRENCH		PRE-CAMBRIAN PEGMATITE
	OPEN CUT		DUMP PILE
	STRIKE & DIP		TRAVERSE LINE

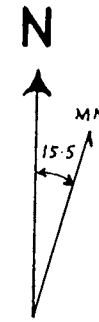
MOCKINGBIRD MINE

KME & DJW

7/15/81

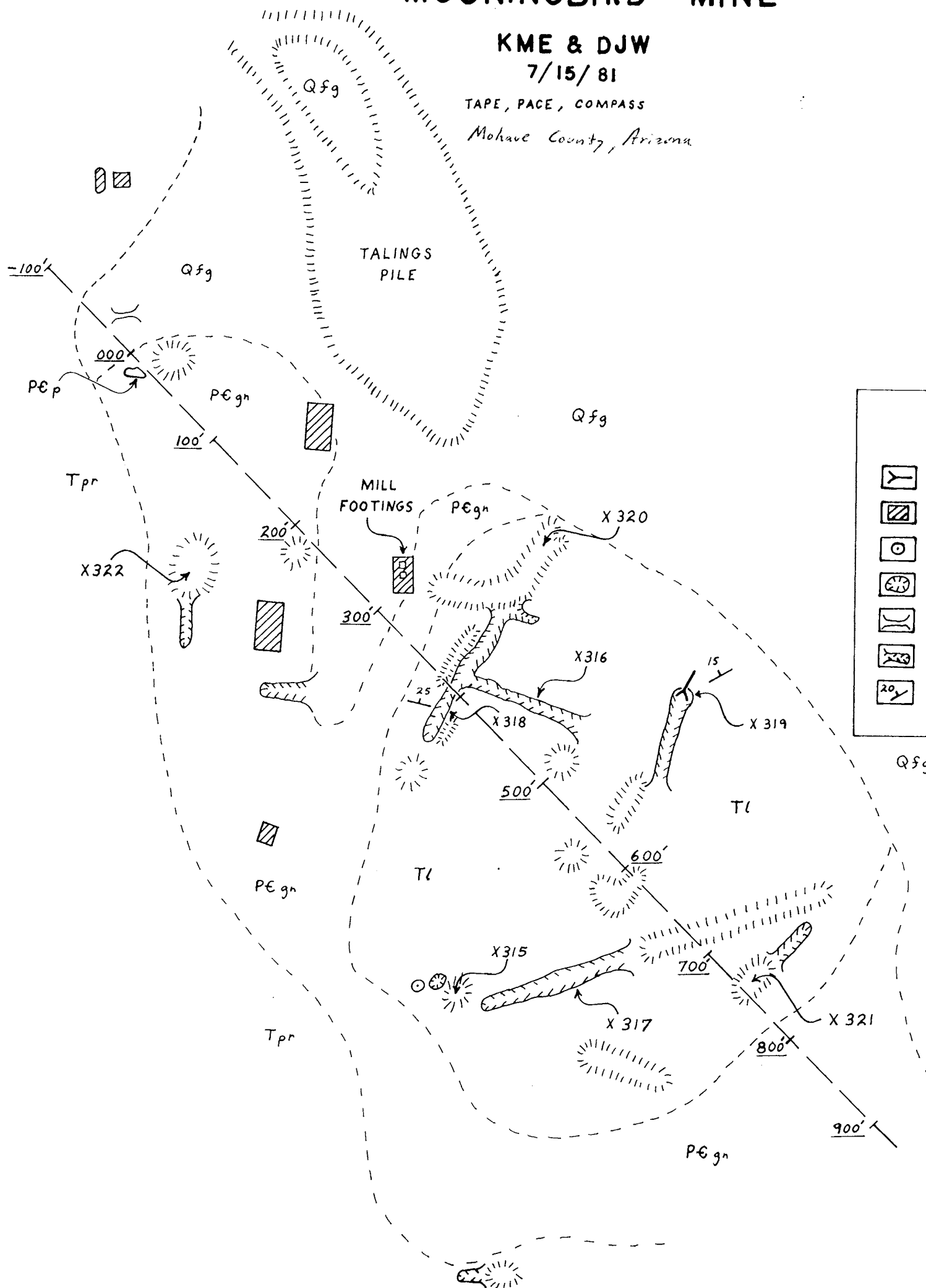
TAPE, PACE, COMPASS

Mohave County, Arizona



100'

SCALE 1:1200



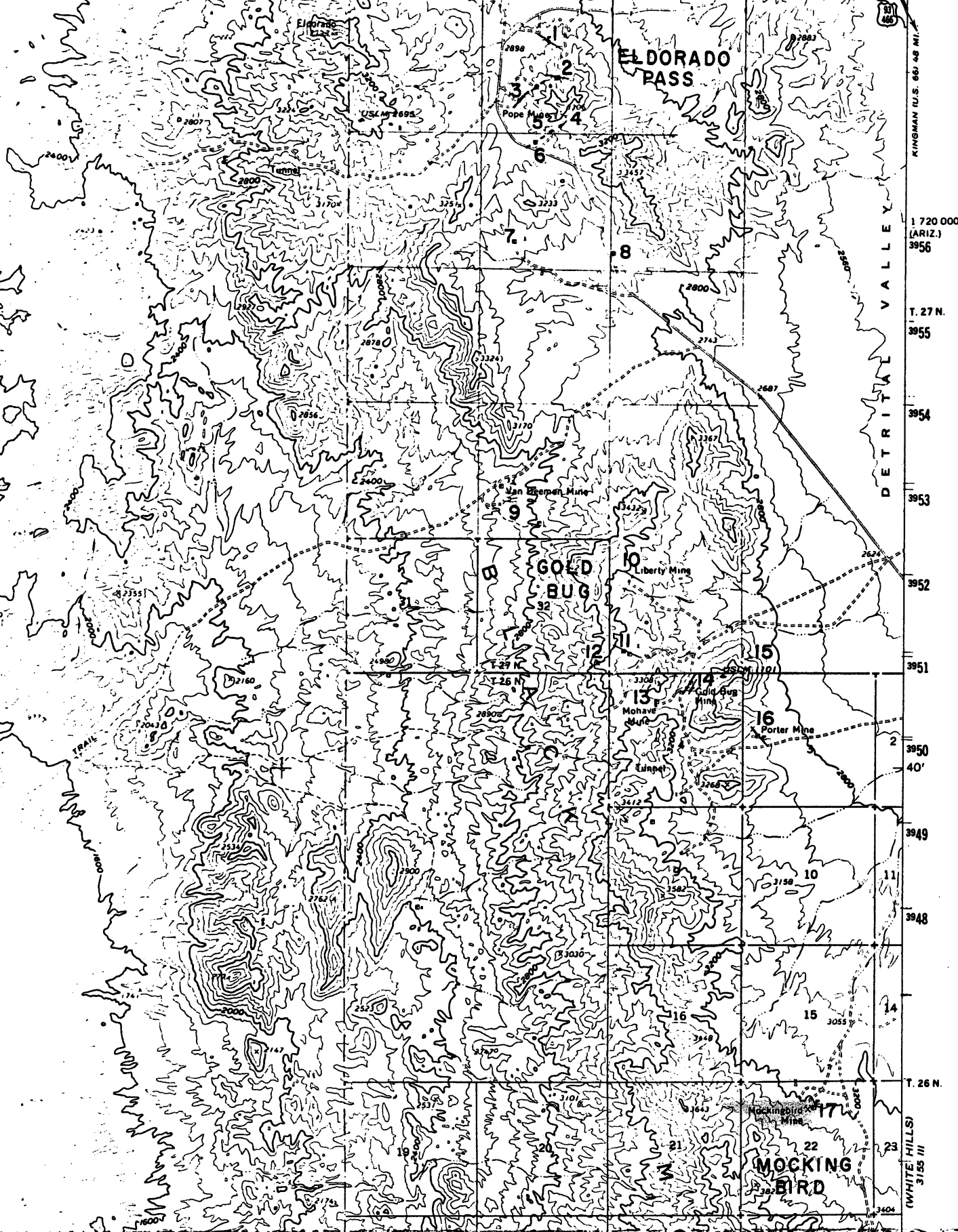
KEY

	ADIT		QUATERNARY FANGLOMERATE
	BUILDING		TERTIARY LAMPROPHYRE
	WATER WELL		TERTIARY RHY. PORPHYRY
	PROSPECT PIT		PRE-CAMBRIAN GNEISS
	OPEN TRENCH		PRE-CAMBRIAN PEGMATITE
	OPEN CUT		DUMP PILE
	STRIKE & DIP		TRAVERSE LINE

MT. PERKINS QUADRANGLE
ARIZONA-NEVADA
15 MINUTE SERIES (TOPOGRAPHIC)

3155 IV
(SENATOR MOUNTAIN)

(VON) 716 717 718 35' 719 720 721 R. 21 W. 270 000 FEET (ARIZ.) 724 HOOVER DAM 27 MI. 114° 30' 35° 45'



KINGMAN U.S. 660 48 MI. 1720 000 FEET (ARIZ.) 3956 T. 27 N. 3955 3954 3953 3952 3951 3950 40' 3949 3948 T. 26 N. (WHITE HILLS) 3155 III

HUNTER MINING LABORATORY, INC.

994 GLENDALE AVENUE

SPARKS, NEVADA 89431

TELEPHONE: (702) 358-6227

REPORT OF ANALYSIS

property file
Arizona, Mohave County, Mockingbird Dist,
(General recon by NLA)

Submitted by:

Date: January 23, 1981

DEPCO, INC.

Mr. N. L. Archbold

390 Freeport Blvd., Suite #12

Sparks, Nevada 89431

Laboratory Number: 9009

Analytical Method: AA

Your Order Number:

Report on: 18 samples

Sample Mark:	Gold ppm	Silver ppm
H-21 <i>413</i>	0.9	1
22	-0.1	-1
23 <i>102</i>	7.0	4
24	3.4	2
25	-0.1	-1
26	0.2	-1
27	4.4	6
28 <i>408</i>	7.4	7
29	3.4	2
30	-0.1	-1
* 31 <i>441</i>	2.8	2
32	-0.1	-1
33	0.1	17
34	-0.1	-1
35	0.1	23
36	-0.1	-1
37	-0.1	4
H-38	-0.1	3

Follow up on these

HUNTER MINING LABORATORY, INC.

Gary M. Fechko

Gary M. Fechko

Property file
JRD

DEPCO, Inc.

MINERALS DIVISION

MEMO TO: J. B. Imswiler

DATE: January 13, 1981

FROM: N. L. Archbold

SUBJECT: Reconnaissance of Some Districts in the Northern Black Mountains, Mohave County, Arizona

Districts Included: Eldorado Pass, Gold Bug, Mocking Bird, and Pilgrim.

Maps and References:

Mount Perkins 15' and White Hills 15' Quadrangles.
USGS Bulletin 397, p. 214-218.
Arizona Bureau of Mines Bulletin 137, p. 78-80.

General Types of Deposits:

- 1) Gold and silver in narrow veins cutting Precambrian gneiss.
- 2) Precious metals associated with lamprophyre.
- 3) Veins and stockworks in Tertiary volcanic rocks associated with Tertiary volcanic intrusions.

Notes on My Examinations: (see numbers on accompanying Mt. Perkins 15' Quadrangle).
Eldorado Pass District

- 1) Enigma Mine - narrow vein in Precambrian granite. Strikes N 60° W about vertical.
- 2) Nearly vertical vein in unaltered granite. Strikes about N 80° W.
- 3) Old mill site and Pope #1 location. Vein in Precambrian granite gneiss. Strikes about N 35° E and dips steeply NW. Looks like some attempt at leaching in recent years.
- 4, 5, & 6) Broader zone of iron staining and brecciation related to flat (?) structure. This area might be worth mapping and sampling if my samples show any values.

SAMPLE

Au ppm Ag

H-14 - Portal of tunnel at northeast end of area.
Sheared, argillized and slightly iron-stained granite.

-.1 -1

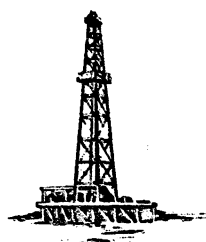
H-15 - Portal of tunnel about 1000 feet SW of H-14.
Brecciated, iron-stained and argillized granite.

-.1 -1

H-16 - Dump at road intersection about 1000 feet SW of H-15. Brecciated, argillized and hematite-stained granite with some veinlets of hematite.

1.1 2

7) Prospects in hematite-cemented pediment gravels with some secondary



- copper minerals. This makes me wonder what lies below the gravels?
8) Vertical shaft in brecciated, altered, apparently barren granite.

<u>SAMPLE</u>	<u>Au</u> ppm	<u>Ag</u>
H-17 - Brecciated, iron-stained granite with silicification, argillization, and sericitization.	-.1	-1

My general impression is that there is little probability of an important deposit in the Eldorado Pass area. Closer examination of the area in the SW ¼ of sec. 17, T. 27 N., R. 21 W. might be advisable. The gravels here suggest the possibility of a pyritic, disseminated-type of deposit (porphyry copper?) in the area.

Gold Bug District

- 9) Van Deemen Mine - This looks like an intrusive mass of Tertiary andesite into the Precambrian gneiss with abundant brecciation, iron oxides and argillization. I noted some veinlets of gypsum. There appear to have been countless shallow drill holes and samples taken by some small operator. There is a small dump set out on a makeshift leach pad. The area should be looked at more closely if my two samples from the dump show ore-grade values of gold or silver.

<u>SAMPLE</u>	<u>Au</u> ppm	<u>Ag</u>
H-18 - Brecciated, iron-stained, and argillized gneiss and andesite off one side of small leach dump.	6.0	9
H-19 - From other side of same dump as H-18.	.7	3

- 10) Liberty Mine - Brief underground examination indicates small stope on structure that strikes WNW with dip to N. Structures are narrow and in brecciated, hematite-stained gneiss.
- 11) Narrow quartz vein strikes N 65° W and dips 53° SW.
- 12) Minor quartz in fault zone that strikes N 65° E and dips 53° NW in gneiss.
- 13) Mohave Mine - Not much to see here. Main dump has much siliceous granite (almost a pegmatite). Looks like shaft sunk on pegmatitic granite body cutting gneiss.
- 14) Gold Bug Mine - Not much outcrop here. Shafts appear to be on two parallel structures which may be contacts of high-angle mafic dike or dikes cutting gneiss. I got strikes of N 35° E and N 55° E. Structures extend about 300 feet on surface.
- 15) Minor quartz lens in unaltered gneiss.
- 16) Porter Mine - Relationships not well exposed. Probably along a fault trending N 40° W and dipping 30° NE in gneiss.

My general impression of the Gold Bug District is that only the Van Deemen Mine might warrant closer examination if my samples H-18 and H-19 show significant gold and silver values.

Pilgrim District

- 17) Mocking Bird Mine - Numerous shallow pits in lamprophyre. Apparently a flat-lying body with some brecciation and shearing. Would make a good drilling and mining target. Some Cu oxides. Worth mapping and sampling if my one sample shows gold values.

<u>SAMPLE</u>	<u>Au</u> ppm	<u>Ag</u>
H-20 - Sheared lamprophyre with silicification and some Cu oxides.	8.3	12

- 18) Dandy Mine- This might be Schrader's "Hall" Mine. Narrow shear in granite gneiss strikes N 50° E, dips 50° NW. One drill hole noted.
- 19) Great West Mine - Narrow, argillized fault and fracture zone in Precambrian granite structure strikes about N 85° E and is about vertical. Younger dike appears to trend northerly across mine area.
- 20) Pocahontas (?) Mine - Not much to see here. Old shaft is now utilized as a well. Country rock is granite gneiss.
- 21) Kemple Camp - Not examined. Small exploration or development project in progress January, 1981. Camp is occupied.
- 22) Relatively flat-lying mafic dike cuts gneiss adjacent to porphyritic granite dike.

<u>SAMPLE</u>	<u>Au</u> ppm	<u>Ag</u>
H-21 - Brecciated, altered and copper-stained gneiss in 4-ft. vertical cut below mafic dike.	0.9	1

Pilgrim District

The district has apparently been completely taken up by a single operator. I saw evidence of at least 278 claims (Golden Door Extension) staked by D. K. Martin, 4728 West 21st Avenue, Phoenix, Arizona 85015. There is a large camp (unoccupied when I visited) with numerous drill roads and drill holes. I visited briefly at the Dixie Queen Mine, and it appears to offer some potential for a disseminated type of precious metal deposit. A white, Tertiary rhyolitic body intrudes a latite along a southeasterly trend with a dip to the northeast. In the mine area the workings seem to follow the contact where veinlets of quartz and calcite also occur. The zone has been followed at least 600 feet and has obviously been mapped and sampled recently. This looks like a good project where we are simply too late.

DEPCO, Inc.

MEMO TO G. A. P. DATE April 30, 1981
FROM J. B. I. SUBJECT

Enclosed are reports covering the Cycloptic, Mockingbird and Van Deeman properties in Mohave County, Arizona. These properties were determined to require follow up work on the basis of preliminary results obtained by N. L. Archbold. Please check these out with further sampling, etc. at your earliest convenience. Thank you.



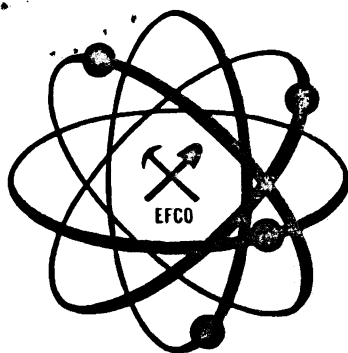
Attachments: "Reconnaissance of Gold Basin District, Mohave County, Arizona"

January 14, 1981 -- N. L. Archbold

"Reconnaissance of Some Districts in the Northern Black Mountains,

Mohave County, Arizona" January 13, 1981 -- N. L. Archbold

Page 77 from Ariz. Bur. Mines Bull. 137



Property of
Mocking Bird
Mohave Co
EFCO LABORATORIES Arizona
2819 W. Ruthrauf Road
TUCSON, ARIZONA 85703
Phone (602) 887-4241
P. O. Box 5526

Laboratory Analysis Report

Dekalb Mining Co.
390 Freeport Blvd. Suite 12
Sparks, Nevada 89431

Gary Parkison
Karl Emanuel

REPORT NO. 810815
DATE SUBMITTED 7/21/81
DATE REPORTED 7/31/81

<u>Sample Number</u>	<u>PPM Copper</u>	<u>PPM Moly</u>	<u>PPM Lead</u>	<u>PPM Zinc</u>	<u>PPM Silver</u>	<u>PPM Gold</u>	<u>PPM Arsenic</u>	<u>% W₃</u>
X- 315	366		31	67	<1.0	<0.10		
316	44		13	103	<1.0	<0.10		
317	103		190	165	1.2	<0.10		
318	616		578	106	1.2	<0.10		
319	+1000		96	157	3.4	1.87		
320	+1000		249	198	2.0	<0.10		
321	87		22	52	<1.0	<0.10		
322	64		42	97	2.4	<0.10		
323	26	13	59	105	<1.0	<0.10		<0.02
324	51	102	337	35	4.7	<0.10		<0.02
325	82	7	450	86	<1.0	1.17		<0.02
326	33	17	16	35	<1.0	<0.10		<0.02
327	93	17	603	130	1.1	4.69		<0.02
328	94	4	204	282	<1.0	<0.10		<0.02
329	241		+1000	151	16.9	*		
330	72		933	109	7.8	3.28		
331	284		239	288	1.1	<0.10		
332	95		19	147	1.1	<0.10	57	
333	+1000		13	+1000	5.2	2.81		
334	+1000		86	+1000	18.4	10.3		

Geochemical Assay

<u>Sample Number</u>	<u>% Copper</u>	<u>% Lead</u>	<u>% Zinc</u>
X- 319	0.26		
320	0.60		
329		0.35	
333	0.28		0.60
334	0.33		0.49

* Sent to Jacobs Assay Office for fire assay.

Nancy Turner D.R.
Signed

HUNTER MINING LABORATORY, INC.

994 GLENDALE AVENUE

SPARKS, NEVADA 89431

TELEPHONE: (702) 358-6227

REPORT OF ANALYSIS

17CA

Submitted by:

Date: January 19, 1982

DEKALB MINING, INC.
390 Freeport Blvd., Suite #12
Sparks, Nevada 89431

Laboratory Number: 12694

Analytical Method: AA

Mr. N. L. Archbold

Your Order Number:

Value @ \$400 Au
\$8 Ag

Report on: 29 samples

Sample Mark:	Gold ppm	Silver ppm	Sample Mark:	Gold ppm	Silver ppm
H-355	-0.05	-1	H-370	\$28 2.40	2
356	-0.05	-1	371	\$27 2.35	5
357	0.10	-1	372	0.10	110 \$25
358	\$81 7.50	7	373	0.45	270 \$63
359	0.20	-1	374	0.05	275 \$64
360	\$26 2.25	-1	375	0.10	45 \$19
361	\$81 7.00	6	376	0.40	15
362	0.45	-1	377	-0.05	-1
363	\$46 4.00	1	378	-0.05	-1
364	-0.05	-1	379	0.60	83
365	-0.05	-1	380	0.05	22
366	0.70	4	381	0.15	210 \$49
367	0.25	1	382	0.15	19
368	0.40	1	H-383	0.15	20
H-369	\$175 15.00	16			

Mocking Bird
Mine, Mohave
Co., Ariz.

Van Deeman
Mine, Mohave
Co., Ariz.

Mescal
Range
15' Quad

HUNTER MINING LABORATORY, INC.

Gary M. Fechko

Gary M. Fechko

DEKALB Mining, Inc.

MEMOTO: J. B. Imswiler

DATE: Dec. 29, 1981

FROM: N. L. Archbold

SUBJECT: Mocking Bird Mine, sec. 22, T. 26 N., R. 21 W., Mohave County, Arizona

Summary and Conclusions

The Mocking Bird mine is on the east flank of the Black Mountains of Arizona about 29 line miles southeast of Hoover Dam. Closer examination of the area was prompted by a reconnaissance of the region during January of 1981 when one sample yielded 8.3 ppm in gold. Current work indicates gold and some secondary copper minerals are in, or closely associated with flat shear zones in a lamprophyre which intrudes Precambrian gneiss. The lamprophyre is exposed in small pits sunk in an otherwise covered pediment over an area at least 500 feet in diameter. I have no sample results at this time, but the lamprophyre does not appear to be pervasively mineralized and hence holds little potential for a major ore body.

Location

The Mocking Bird mine is shown on the Mt. Perkins 15 minute topographic quadrangle. The mine is located in the north-central portion of sec. 22, T. 26 N. R. 21 W. and lies on the east flank of the Black Mountains about 10 line miles southwest of the White Hills mining district.

Geology

The accompanying sketch map at a scale of 1 inch equals 500 feet shows the general area of the mine and the location of samples collected. After sketching the surface features, I did not feel it was worth taking time to map the geology in detail, particularly because much of the area is covered and exposures are poor. Many of the workings and pits are only shallow cuts that do not reach bedrock. My observations did, however, provide a fairly good impression of the geology.

The principal bedrock is a Precambrian biotite-rich gneiss that probably approaches quartz-diorite in composition. This gneiss dominates the geology on the north and west of the map area where numerous shallow cuts appear to have found no ore.

Four rock types probably intrude the gneiss and might be even as young as Tertiary although age relations are not well exposed. Exposures in the central part of the map area indicated a northwesterly trending body of light-gray, very fine-grained aplitic material. This body is probably at least 800 feet long and perhaps 100 feet wide. It is unaltered and looks barren except for rare coatings of chrysocolla on some fractures.

Toward the southeast end of the aplitic rock, there are rare exposures of distinctive porphyry. This porphyry has a light-gray, very fine-grained groundmass with small phenocrysts of quartz and larger phenocrysts of plagioclase (?) up to 1 cm across. It appears unaltered and unmineralized and might be a textural variation of the aplitic rock.

A gray to brown lamprophyre is exposed in pits south of the tailings pond. It occupies an area at least 500 feet in diameter and might extend much farther under the alluvial cover. It is exposed mainly in shallow pits and is the principal source for the gold ores. Ores seem to be silicified, flay-lying, shear zones which show some copper oxides on fractures and weather reddish. The apparent ore zones are generally less than 2 feet thick. The lamprophyre does not seem to be pervasively altered or mineralized. If it were, it would serve as an excellent drilling target and might extend under adjacent, thin cover as a sizeable ore deposit.

Fine-grained mafic dikes can be observed in a pit on the extreme northwest of the area (at the location of the Mocking Bird No. 4) and about 200 feet southwest of the old mill foundation (sample site H 356). These dikes might be textural variations of the lamprophyre.

Rhyolitic, silicified, Tertiary (?) tuff crops out by a shaft on the north-central edge of the map area and in areas farther to the east. This suggests that the alluvium to the east might be underlain by this tuff.

Conclusions and Recommendations

The lamprophyre body serves as the main host for ore and presents a fairly large drilling target; however, it does not seem to be pervasively mineralized and no additional work should be undertaken unless my samples show surprising values in gold and/or silver. The following samples might show some values because they represent at least some material from mineralized shears: H 358, H 361, H 362, H 363.

List of Samples

Location shown on 1"=500' sketch.

<u>Sample #</u>	<u>Description</u>	<u>Au</u>	<u>ppm</u> <u>Ag</u>
H 20	Sample collected in January, 1981. Sheared, silicified lamprophyre with some Cu oxides.	8.3	12
H 355	Diabasic lamprophyre with some calcite crystals. No apparent mineralization. From footwall of mafic dike. Aplite also exposed in this pit.	-0.05	-1

<u>Sample #</u>	<u>Description</u>	<u>ppm</u>	
		<u>Au</u>	<u>Ag</u>
H 356	Across 3 foot mafic dike at same site as H 355. Mafic dike looks barren and resembles finer grained equivalent of lamprophyre in H 355.	-0.05	-1
H 357	Fractured, fine-grained, gray, lamprophyre. Looks barren except for local Cu oxides on some fractures.	0.10	-1
H 358	Red, oxidized lamprophyre with some quartz veinlets. Probably mineralized along a narrow, flat shear.	7.50	7
H 359	Sheared, barren looking rock from SW end of pit. This is probably gneiss.	0.20	-1
H 360	Sheared, highly fractured lamprophyre from near end of SE extension of pit. Looks barren.	2.25	-1
H 361	Vertical chips at portal of short adit in end of pit. Crosses sheared lamprophyre and 1 1/2 foot "vein" along flat shear containing some quartz and Cu oxides. H-20 taken from exposure on NE corner of pit.	7.00	6
H 362	Sheared, silicified lamprophyre along north wall in E end of pit. Porphyry (not sampled) cuts pit.	0.45	-1
H 363	Same material as H 362, but vertical chips taken at west end of pit.	4.00	1
H 364	Lamprophyre above small, caved stope. Looks barren.	-0.05	-1
H 365	Fine-grained, light gray, aplitic rock from small pit. Looks barren but some fractures coated with chrysocolla on dump. Rock appears unaltered.	-0.05	-1

SALT LAKE BLUE



- ① Fresh, aplite intrusive with some chlorite in fractures.
- ② Amended loc. Masking Bird Mt. nearly white 11/17/60
- ③ mafic dike appears to strike N, dip 60° E

Masking Bird Mine
Sec. 22, T. 26N., R. 21W.
Mohave Co., Ariz.
Compass and pace survey
N.L. Archbold 12/17/61

500 ft.

mafic dike, 1 ft. thick,
strikes N 30° E, dip 57° NW
in gneiss

Loc. Searle's Kelly
Martha Searle, Adak Gifford
3/10/60

Loc. Masking Bird Mt.
with Hall 11/20/61

Gneiss or dump

Silicified
Tuff. tuff

To U.S.
Route 93

Aplite

Aplite
H-345

Aplite

H-344

H-345

H-346

H-347

H-348

H-349

H-350

H-351

H-352

H-353

H-354

H-355

H-356

H-357

H-358

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H-392

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H-395

H-396

H-397

H-398

H-399

H-400

DEKALB Mining, Inc.

MEMO TO: File

DATE: January 4, 1982

FROM: K. M. Emanuel

SUBJECT: Followup Sampling and Mapping of the Van Deeman, ~~Mockingbird~~ and P & LM Areas, Northern Mohave County, Arizona

Maps and References:

Mount Parkins 15', White Hills 15' and Garnet Mountain 15' Quadrangles, USGS Bulletin #397.

Summary and Conclusions:

Follow-up sampling and mapping of the Van Deeman, ~~Mockingbird~~ and P & LM mines (CF. N.L. Archbolds memo's 1/13/81 & 1/14/81) did not show these areas to be of economic interest at present. The Cycloptic mine was not sampled, as the property had been drilled extensively (100 + holes) since N. L. Archbold's initial visit.

Location:

Cf. of N. L. Archbolds memo's of 1/13/81 & 1/14/81.

Geology:

Van Deeman mine - The area was visited by myself and D. J. Wronkiewicz on July 13 & 14, 1981 and was mapped at a scale of 1"=200' by pace, tape and compass methods. The rocks in the vicinity of the workings consist of schist and gneiss that have been variably argillized and Fe stained. Adjacent to irregular brecciated masses and below a thick flow (?) unit of andesite, a total of eight samples were taken from prospects and shallow workings in altered andesite and country rock. The extent of the altered area is shown in the overlay accompanying the map. Gold above 0.1 ppm was only detected in 2 samples (0.94 & 1.17 ppm) and the silver content was uniformly low (1.2 to 4.0 ppm). The average gold content was 0.26 ppm (0.007 oz/t). Mineralization here appears too erratic and low grade to justify further work at this time.

	<u>Sample Descriptions</u>	<u>Au</u>	<u>ppm</u> <u>Ag</u>
X-307	Outcrop chip sample. Argillically altered and Fe stained chlorite phyllite.	<0.1	<0.1
X-308	Random chip across adit portal in kaolinized muscovite schist and chlorite phyllites.	1.17	1.2
X-309	Rep dump sample from small open cut; argillically altered gneiss and gneiss breccia with quartz, clays and Fe oxides in matrix.	<0.1	1.2

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<u>Sample Descriptions (Cont.):</u>		<u>Au</u>	<u>ppm</u> <u>Ag</u>
X-310	Random chip across adit portal near main shaft. Chloritized phyllite and chloritic argillized andesite breccia.	<0.1	1.2
X-311	Chip across portal in f.g. hematitically altered and (?) with actinolite and abundant limonite.	<0.1	1.2
X-312	Rep grab from large open pit in brecciated andesite with f.g. hematite quartz and limonite matrix.	0.94	3.8
X-313	Rep grab from small dump in quartz cemented breccia composed of argillically altered andesite.	<0.1	3.5
X-314	Chip from portal of small portal extensively brecciated and argillized andesite and phyllite; abundant Fe oxides.	<0.1	4.0

Mocking Bird Mines

The area was visited and sampled by myself and D. J. Wronkiewicz on July 14 & 15, 1981 and was mapped by tape, pace and compass methods on a scale of 1"=100'. Au mineralization is associated with Cu oxides and jasperoidal red quartz within a 3 to 10 foot thick lamprophyre sill that dips 15-25° north within quartzofeldspathic gneiss and amphibolite host rocks. The western part of the area is overlain by porphyritic rhyolite that is not seen in contact with the sill, but which locally contains minor copper shows. The sill appears to have acted as a receptive host rather than a source for the Cu-Au mineralization. A total of eight samples were taken from the numerous pits and open cuts within the sill. Au above 0.1 ppm was detected in a single sample (1.87 ppm); both gold and silver (<3.4 ppm are highest in copper rich zones that carry trace amounts of tetrahedrite (?) and abundant Cu oxides. The paucity of Cu oxides in most exposures and the low assay results do not justify further work on this property at this time.

Sample Descriptions

		<u>Au</u>	<u>ppm</u> <u>Ag</u>	<u>Cu%</u>
X-315	Rep dump grab-green lamprophyre with a few stringers of white quartz with hematite.	<0.1	<0.1	0.037%
X-316	4' chip in open cut; f.g. lamprophyre with irregular red patches of jasperoidal quartz.	<0.1	<0.1	0.004%

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	<u>Sample Descriptions</u>	<u>Au</u>	<u>ppm Ag</u>	<u>Mo</u>
X-323	Random outcrop chip of v.f.g. granite with abundant microveinlets of hematite and quartz.	<0.1	<0.1	13
X-324	6' chip in prospect pit; coarse granite and quartz breccia, with quartz hematite matrix.	<0.1	4.7	102
X-325	6' chip in prospect pit. Altered granite breccia with cross cutting quartz stockwork and a few sulfide ghosts (pyrite). (0.054 oz/t)	1.17	<1.0	7
X-326	3' chip in small pit; brecciated granite shot through with quartz veinlets. A few granitic fragments are propylitized; locally abundant Fe oxides.	<0.1	<1.0	17
X-327	Rep dump sample, main shaft; slightly propylitized and bleached granite breccia shot with white quartz; minor Fe oxides.	4.69	1.1	17
X-328	2' chip in small prospect pit. Brecciated propylitized granite with matrix of clear quartz, purple fluorite and Fe oxides; matrix assemblage also occurs as replacement patches and as veinlet fillings.	<0.1	<0.1	4

The low erratic gold values and the present land status (currently claimed by V. E. Lee, Oatman, Arizona 86433) do not seem to justify further work at this time. There does seem to be some potential for covered extensions beneath the adjacent pediment, however, and a check on the status of the current claim block might be advisable at some point during the next assessment year.

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<u>Sample Descriptions (Cont.):</u>		<u>Au</u>	<u>ppm</u> <u>Ag</u>	<u>Cu%</u>
X-317	7' chip in open cut-same as X-315 with minor brecciation and a few patches of red jasperoidal quartz.	<0.1	<0.1	0.010%
X-318	6' chip in open cut. Lamprophyre containing sparse red jasperoidal quartz and a few white quartz stringers.	<0.1	1.2	0.062%
X-319	6' chip across portal of small adit locally sheared and brecciated lamprophyre with zone near center of sill (10") that carried about 3% Cu oxide.	1.87	3.4	0.26%
X-320	Rep dump grab-lamprophyre with irregular patches of red jasperoidal quartz and locally abundant Cu oxides.	<0.1	2.0	0.60%
X-321	Rep dump grab-locally brecciated lamprophyre with quartz-hematite-calcite cement.	<0.1	<1.0	0.009%
X-322	Rep grab of Fe oxide stained latite porphyry dike (?) exposed in small open cut.	<0.1	2.4	0.006%

(Lee) P & LM Mine:

The area was mapped and sampled on July 17, 1981, by compass and pace methods. (11"=100'). A grid of survey stakes (100' centers), no more than a few weeks old, covered most of the area. The mine occurs within a group of low outcrops standing less than a meter above the surrounding pediment. Workings are found in slightly brecciated propylitized granite that is locally bleached and heavily Fe stained. Stockwork like veinlets and veins (up to 10 cm) of white massive quartz are locally abundant, but do not follow a fixed orientation or have a uniform distribution. Some outcrops on the southeast end of the area contain considerable fine grained purple fluorite. Hematite flooding of the granite is particularly abundant in areas where prominent quartz mineralization occurs. A total of six samples were taken.