**CONTACT INFORMATION**
Mining Records Curator
Arizona Geological Survey
1520 West Adams St.
Phoenix, AZ 85007
602-771-1601
http://www.azgs.az.gov
inquiries@azgs.az.gov

The following file is part of the

Arizona Department of Mines and Mineral Resources 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**

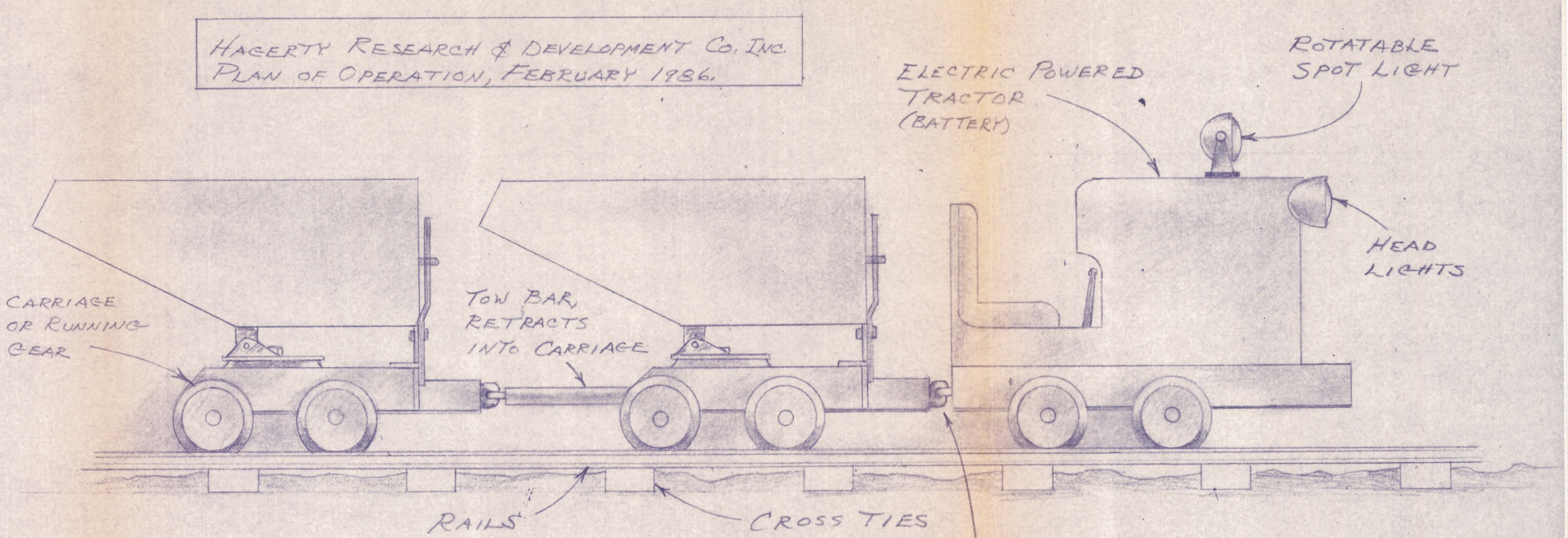
The Arizona Geological Survey does not claim to control all rights for all materials in its collection. These rights include, but are not limited to: copyright, privacy rights, and cultural protection rights. The User hereby assumes all responsibility for obtaining any rights to use the material in excess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

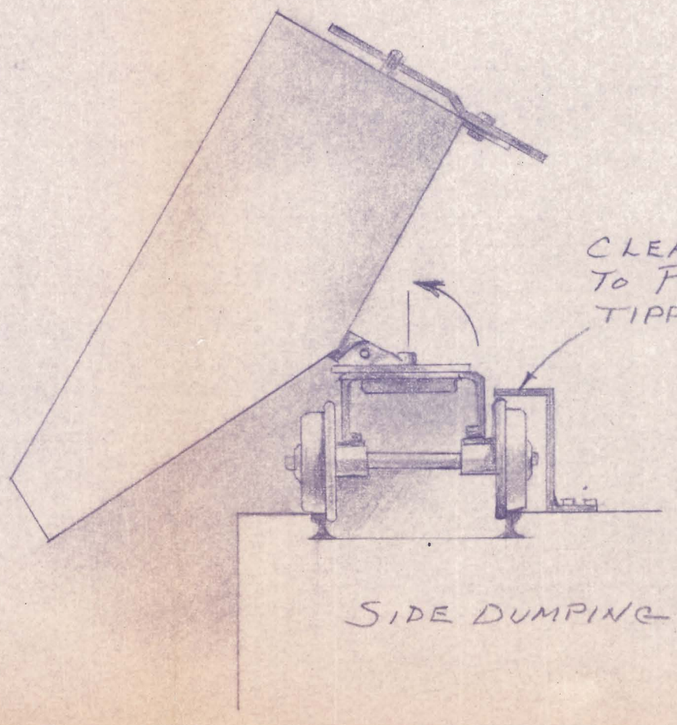
The Survey makes no intellectual property claims to the products created by individual authors in the manuscript collections, except when the author deeded those rights to the Survey or when those authors were employed by the State of Arizona and created intellectual products as a function of their official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

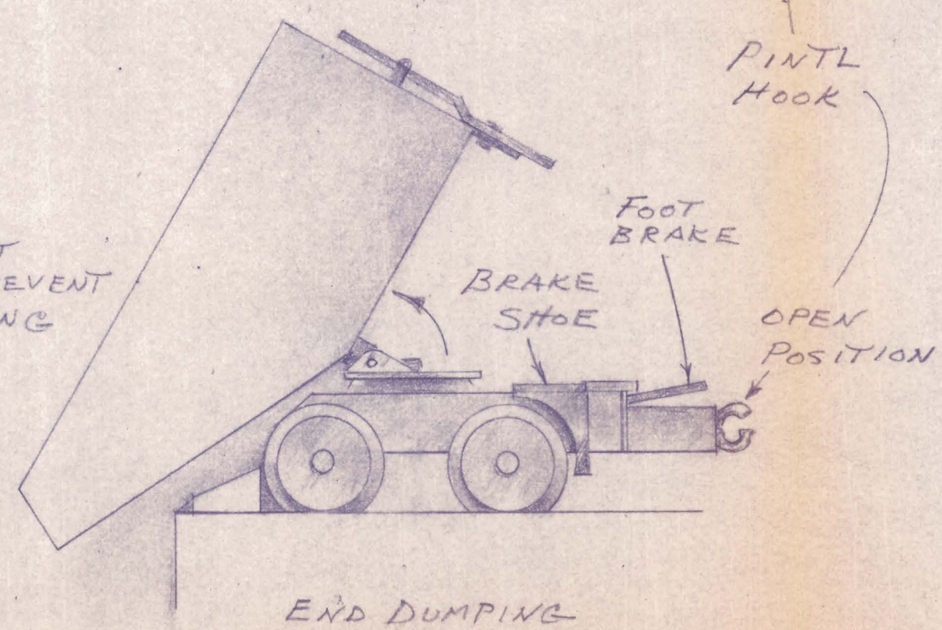
**QUALITY STATEMENT**

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.

HAGERTY RESEARCH & DEVELOPMENT CO. INC.
PLAN OF OPERATION, FEBRUARY 1986.



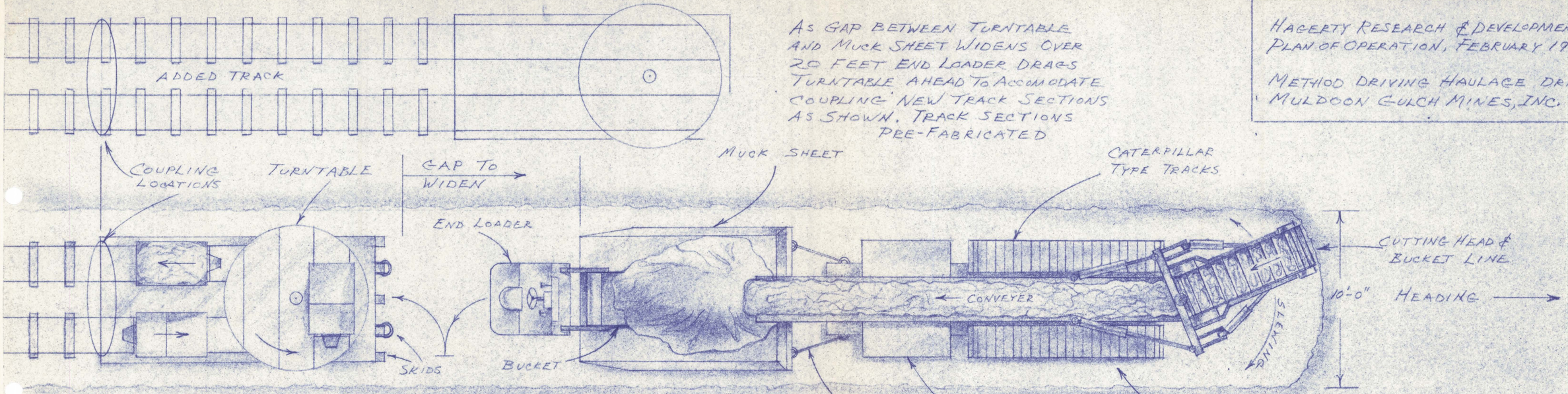

SCOOP TYPE ORE CAR

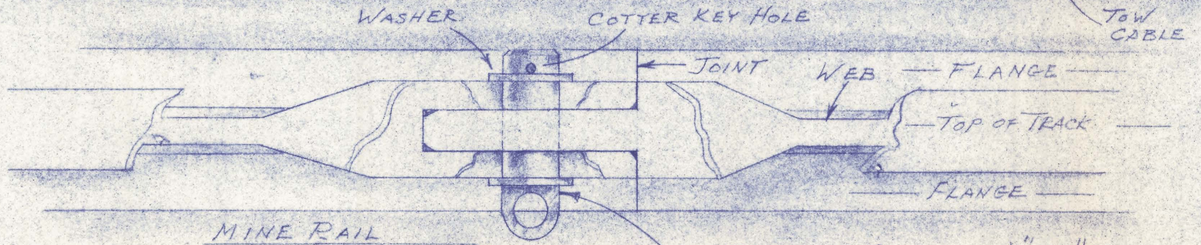
STANDARD MODEL FOR MINE, MILL, & SMELTER PURPOSES. DOES NOT REQUIRE DOOR FOR DISCHARGE & CAN DUMP IN ANY DIRECTION. WHEELS, SHAFTS, BEARINGS & HARDWARE WILL BE PURCHASED. RAW MATERIAL, SHEET METAL, TO BE PURCHASED & FABRICATED BY HAGERTY TO ASSEMBLE AND COMPLETE FOR GENERAL USAGE & TO SELL TO OTHER MINING COMPANIES FOR THEIR USE.

HAGERTY RESEARCH & DEVELOPMENT CO. INC
PLAN OF OPERATION, FEBRUARY 1986.

METHOD DRIVING HAULAGE DRIFTS
MULDOON GULCH MINES, INC.

AS GAP BETWEEN TURNTABLE AND MUCK SHEET WIDENS OVER 20 FEET END LOADER DRAGS TURNTABLE AHEAD TO ACCOMODATE COUPLING NEW TRACK SECTIONS AS SHOWN. TRACK SECTIONS PRE-FABRICATED




MINE RAIL
QUICK CONNECT & DISCONNECT JOINT

SCALE - 1/2" = 1"

SCALE 1/4" = 1 FOOT

TRACK GAGE - 24
WT. PER Yd - 30 Lbs.
MINE RAIL

MANDRELL CONTINUOUS MINER

| CUTTING | PRODUCTION |
|---|---|
| SLEWING — 12'-6" | 30 TONS PER HOUR - RUNNING TIME (APPROX.) |
| VERTICAL — 0'-9" | |
| BELOW GRADE — 0-12" | |
| POWER, ELECTRIC & HYDRALIC — 400 H.P. | WEIGHT 120,000 Lbs. (60 TONS) |

Hagerty Research & Development Co., Inc.
P. O. Box 2486
Prescott, Arizona 86302

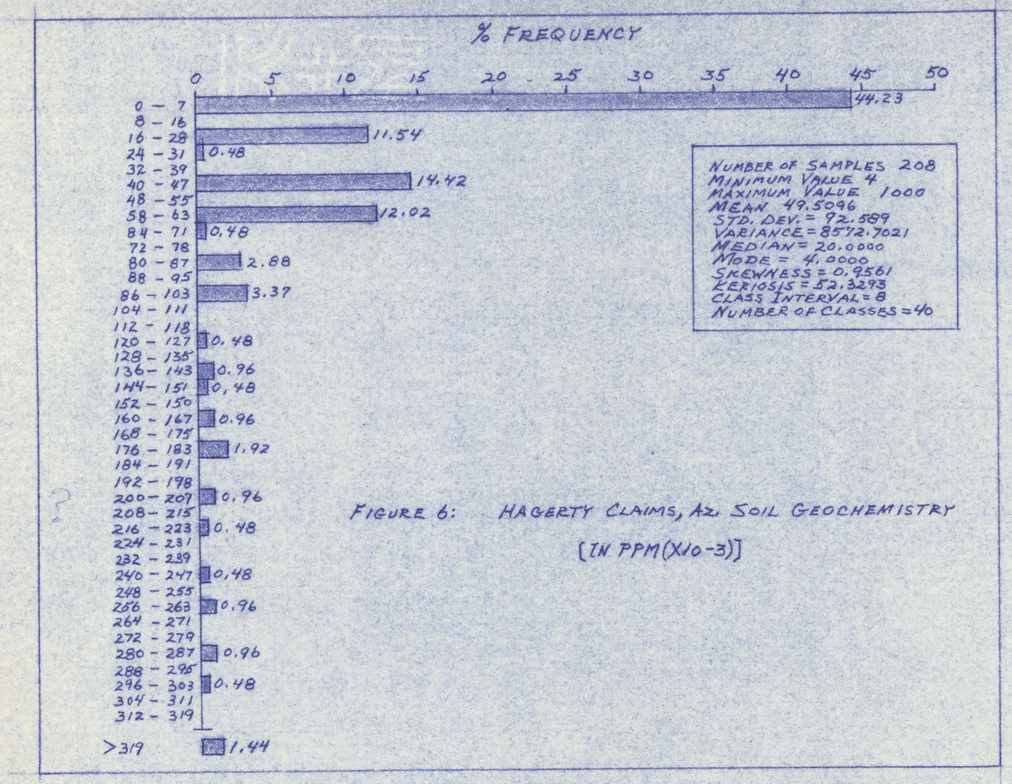



FIGURE 6: HAGERTY CLAIMS, AZ. SOIL GEOCHEMISTRY

[IN PPM(X10-3)]

COMPOSIT DRAWING FROM TEXASGULF MINERALS AND METALS, INC. 1982 SUMMARY REPORT "GEOLOGY AND GEOCHEMISTRY OF THE HAGERTY CLAIMS AND VICINITY, YAVAPAI COUNTY, ARIZONA."

AUGUST 7, 1987
SHEET No. 1 OF 2

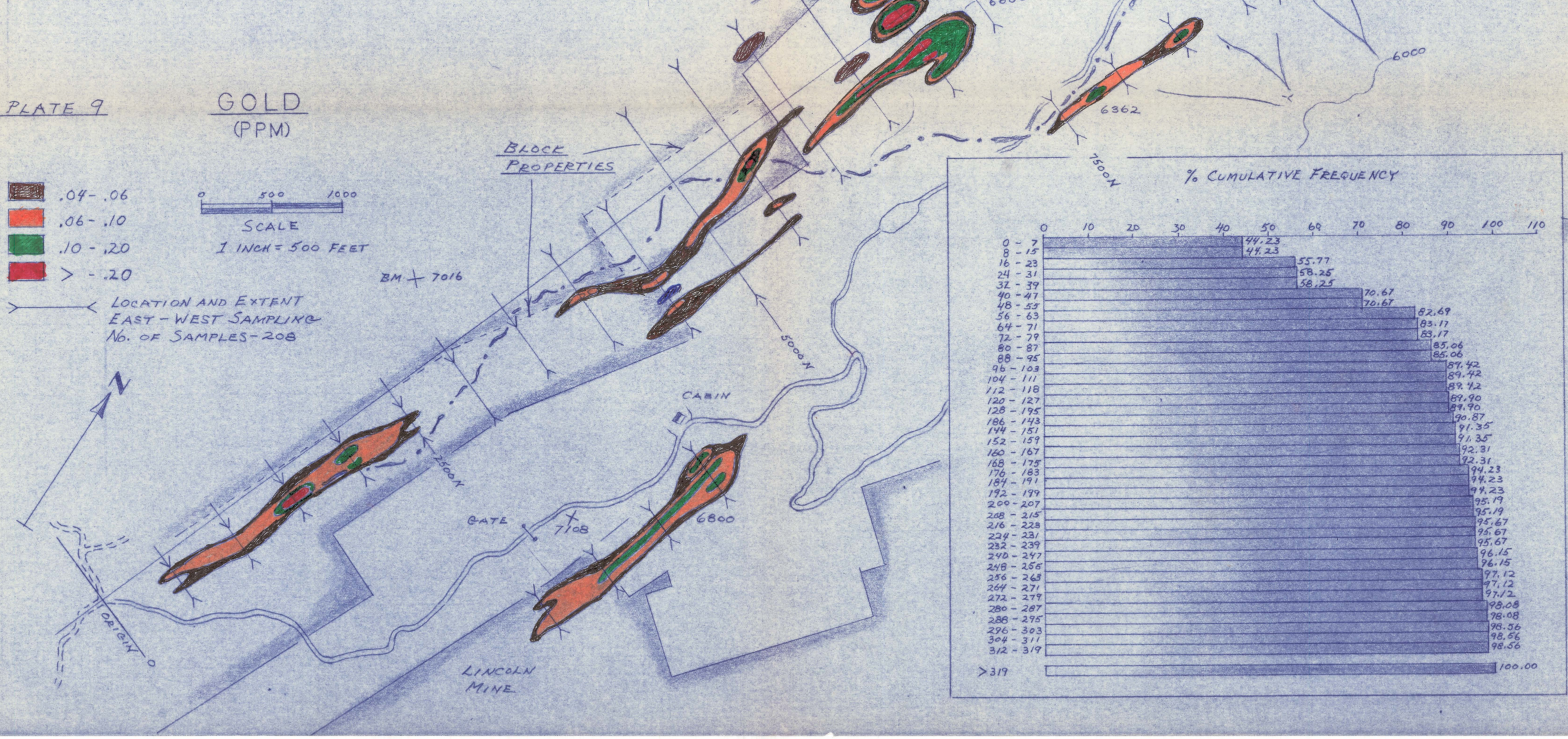
PLATE 9

# GOLD
(PPM)

.04 - .06
.06 - .10
.10 - .20
> - .20

0 500 1000
SCALE
1 INCH = 500 FEET

LOCATION AND EXTENT
EAST - WEST SAMPLING
No. OF SAMPLES - 208



Hagerty Research & Development Co., Inc.
P. O. Box 2486
Prescott, Arizona 86302

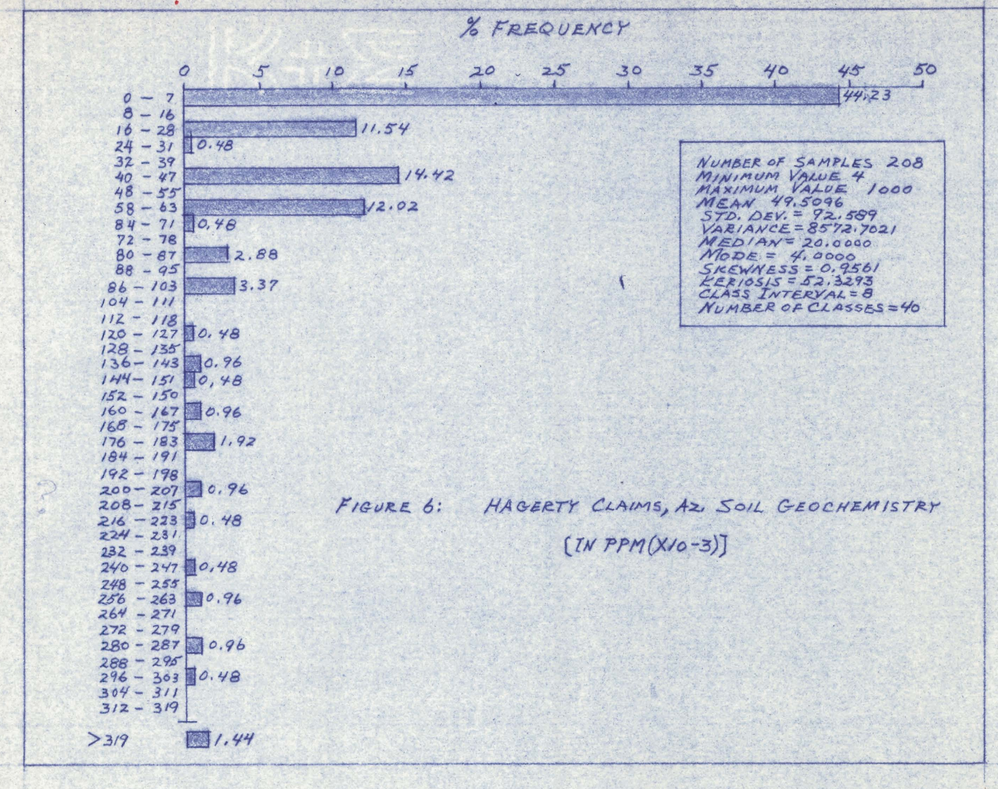


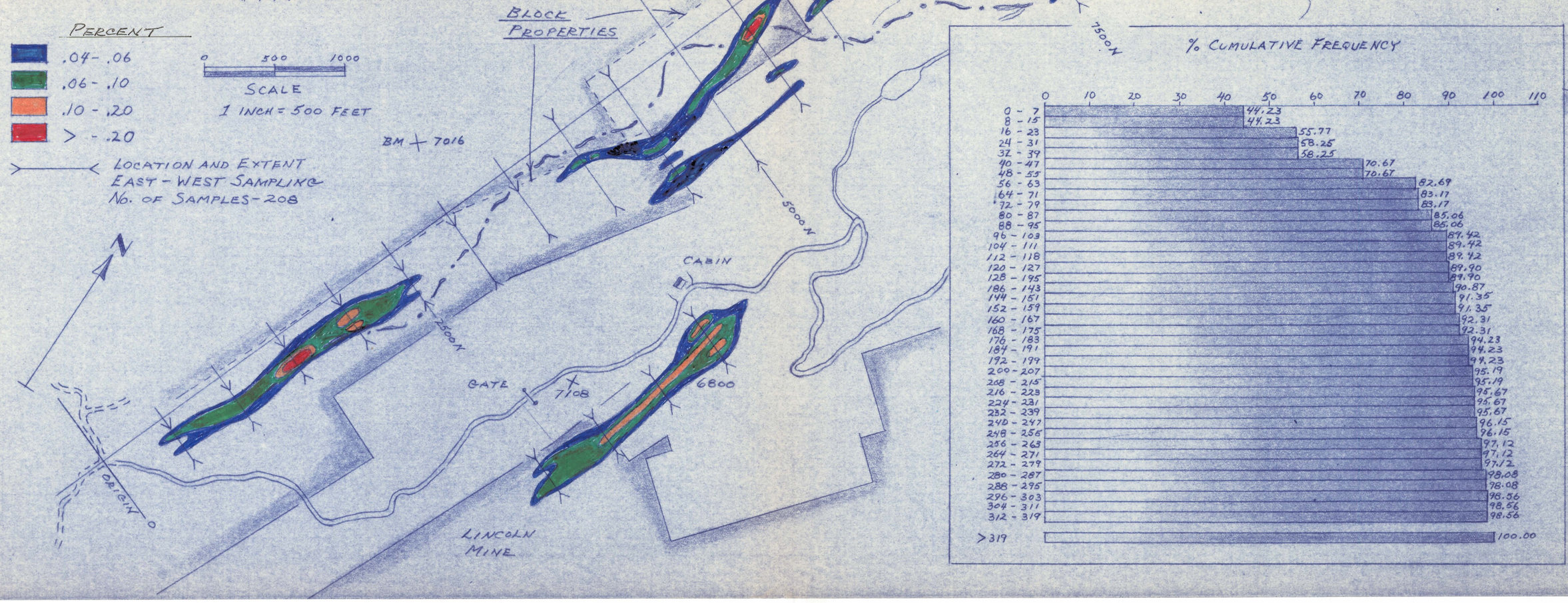

FIGURE 6: HAGERTY CLAIMS, AZ. SOIL GEOCHEMISTRY
[IN PPM(X10-3)]

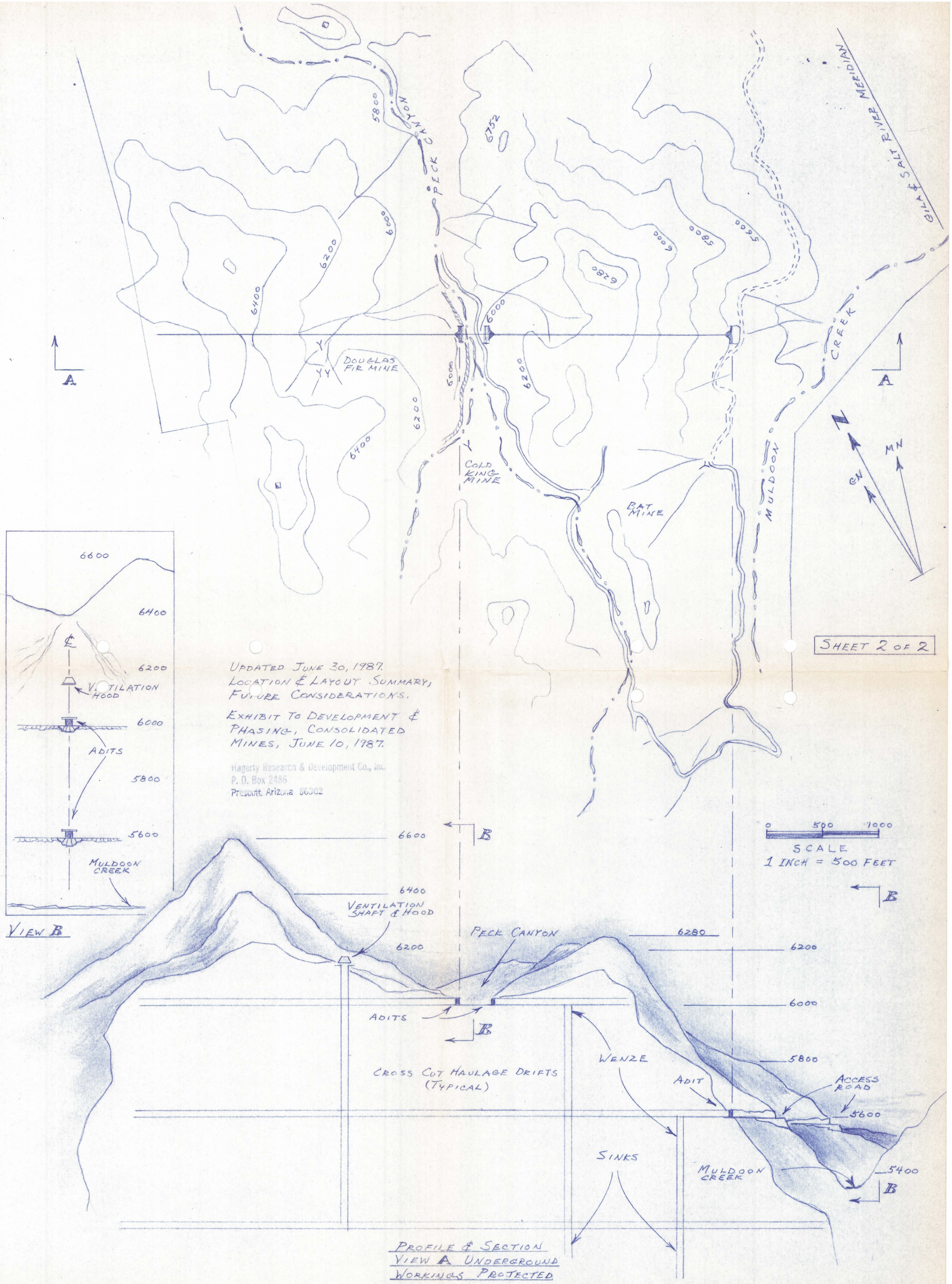
COMPOSIT DRAWING FROM TEXASGULF MINERALS AND METALS, INC. 1982 SUMMARY REPORT "GEOLOGY AND GEOCHEMISTRY OF THE HAGERTY CLAIMS AND VICINITY, YAVAPAI COUNTY, ARIZONA."

AUGUST 7, 1987
SHEET No. 1 OF 2

PLATE 9

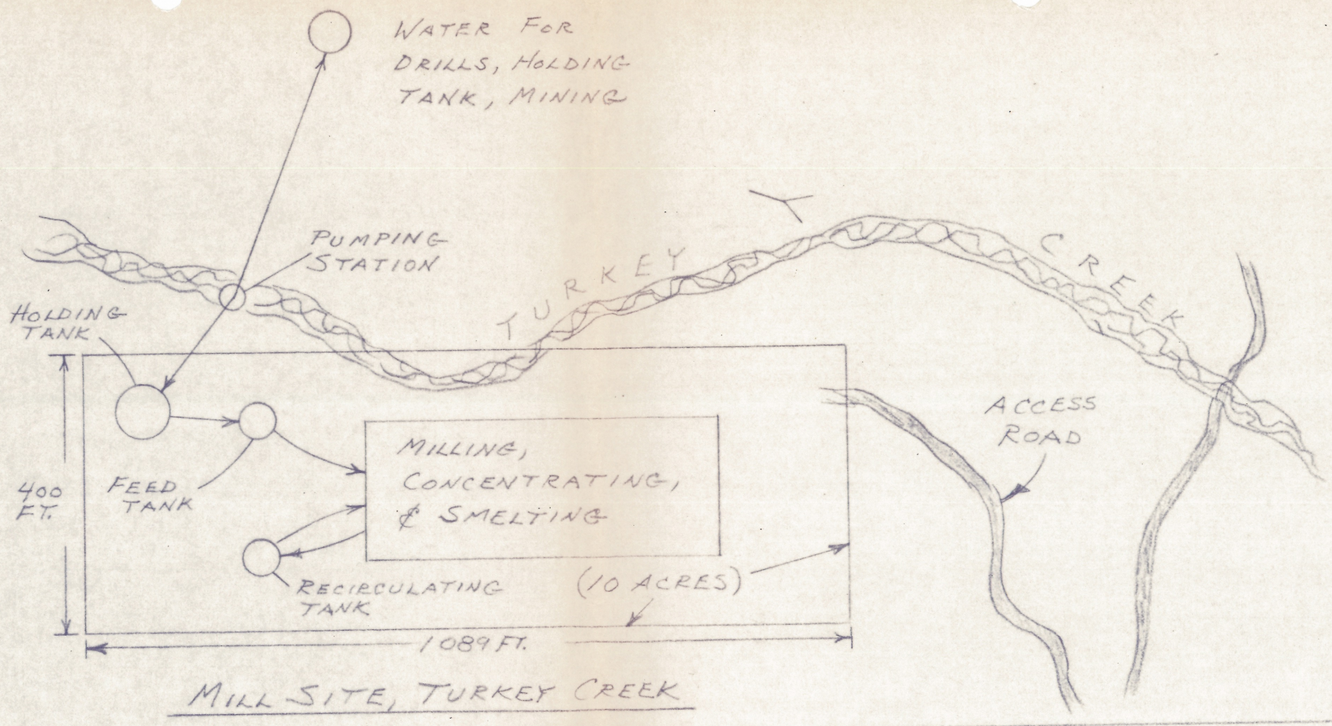
# GOLD
(PPM)



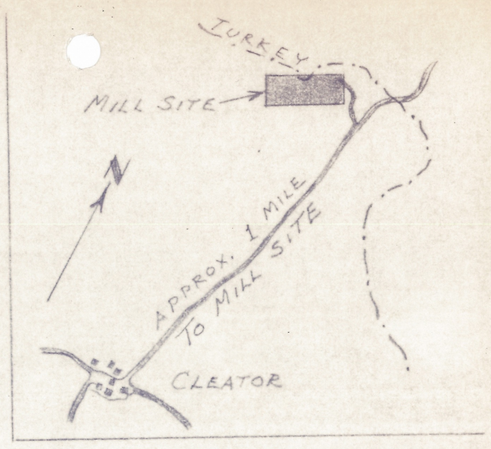

PECK CANYON
5800
6752
6200
6400
6000
6280
5800
5600
GILA & SALT RIVER MERIDIAN
CREEK
A
A
DOUGLAS FIR MINE
Y
YY
6000
6200
6400
COLD KING MINE
BAT MINE
MULDOON
N
MN
GN
SHEET 2 OF 2
6600
6400
6200
6000
5800
5600
VENTILATION HOOD
ADITS
MULDOON CREEK
VIEW B
UPDATED JUNE 30, 1987.
LOCATION & LAYOUT SUMMARY,
FUTURE CONSIDERATIONS.
EXHIBIT TO DEVELOPMENT &
PHASING, CONSOLIDATED
MINES, JUNE 10, 1987.
Hagerty Research & Development Co., Inc.
P. O. Box 2486
Prescott Arizona 86302
0 500 1000
SCALE
1 INCH = 500 FEET
B
B
6600
6400
VENTILATION SHAFT & HOOD
6200
PECK CANYON
6280
6200
6000
ADITS
B
WENZE
5800
CROSS CUT HAULAGE DRIFTS
(TYPICAL)
ADIT
ACCESS ROAD
5600
SINKS
MULDOON CREEK
5400
B
PROFILE & SECTION
VIEW A UNDERGROUND
WORKINGS PROJECTED

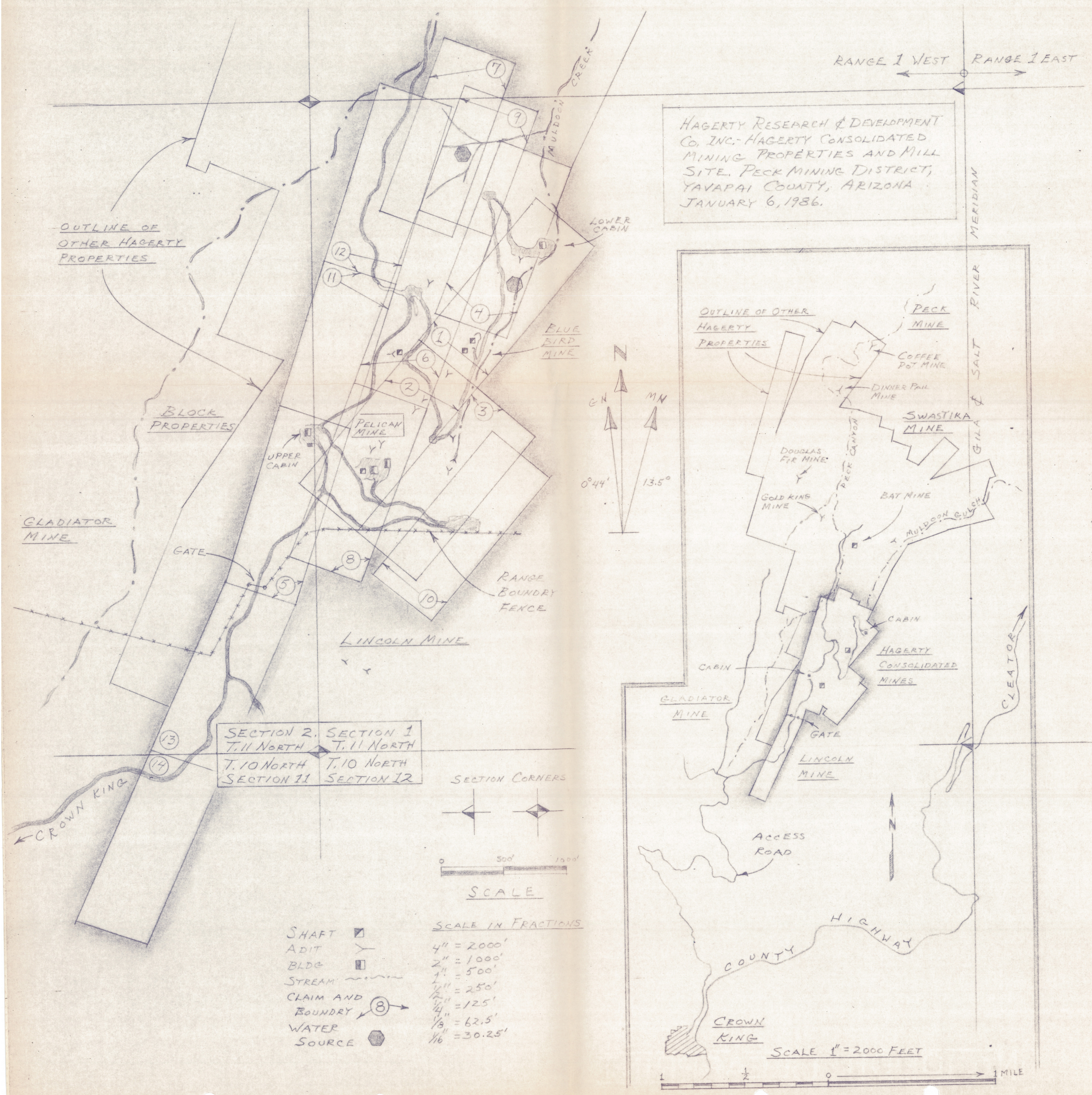
## CLAIM'S IDENTIFICATION

1. QUEEN MOLLY No. 1.
2. QUEEN MOLLY No. 2.
3. QUEEN MOLLY No. 3.
4. QUEEN MOLLY No. 4.
5. QUEEN MOLLY No. 5.
6. QUEEN MOLLY No. 6.
7. QUEEN MOLLY No. 7.
8. PELICAN STRIKE No. 1
9. PELICAN STRIKE No. 3.
10. BLUE BIRD EAST No 1
11. JUNIPER HEIGHTS
12. DOUBLE DINNER
13. EAGLES NEST No. 1
14. EAGLES NEST No. 2




MILL SITE, TURKEY CREEK



## SIGNIFICANT GEOCHEMICAL ANOMALIES

HAGERTY PROPERTIES.

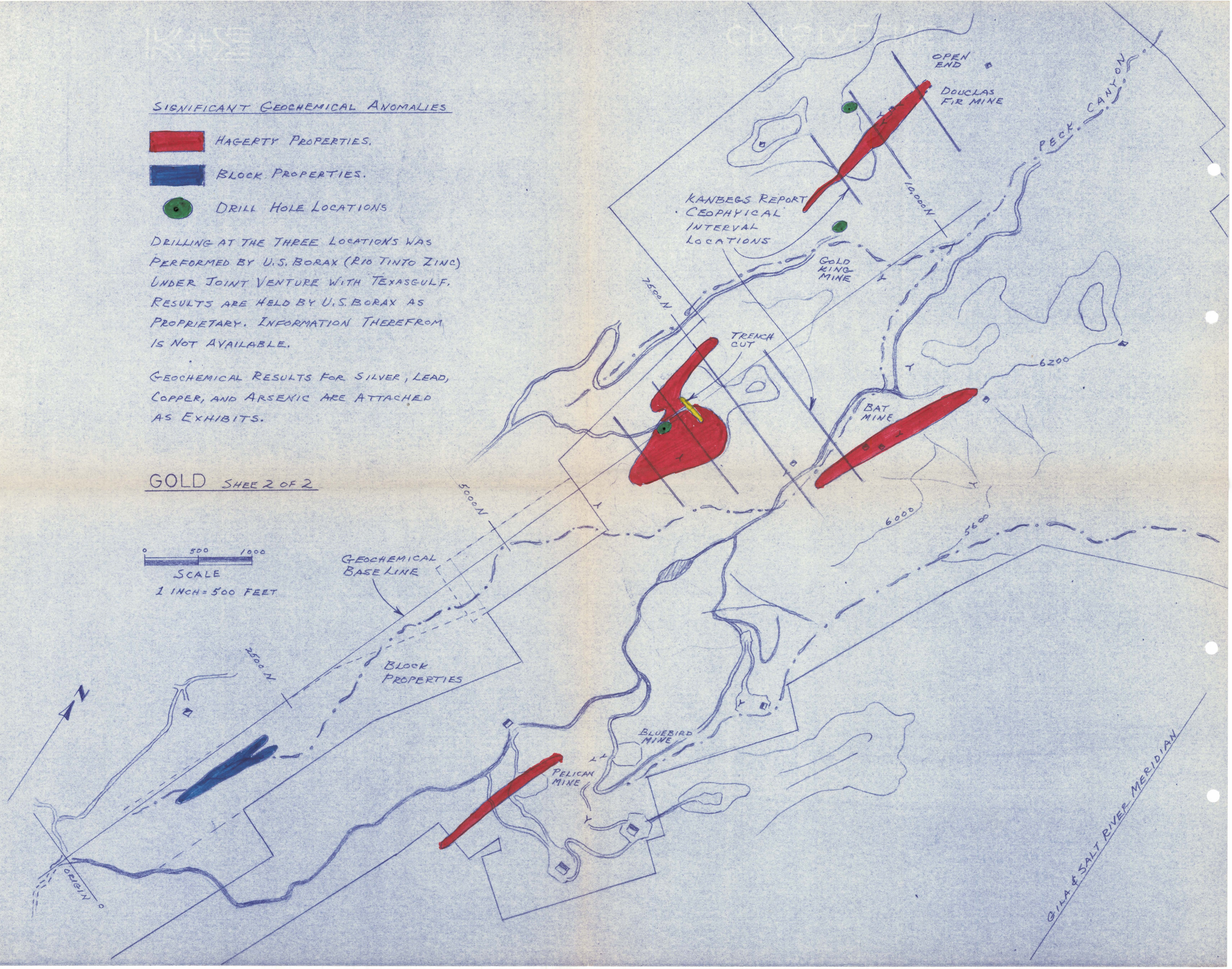
BLOCK PROPERTIES.

DRILL HOLE LOCATIONS

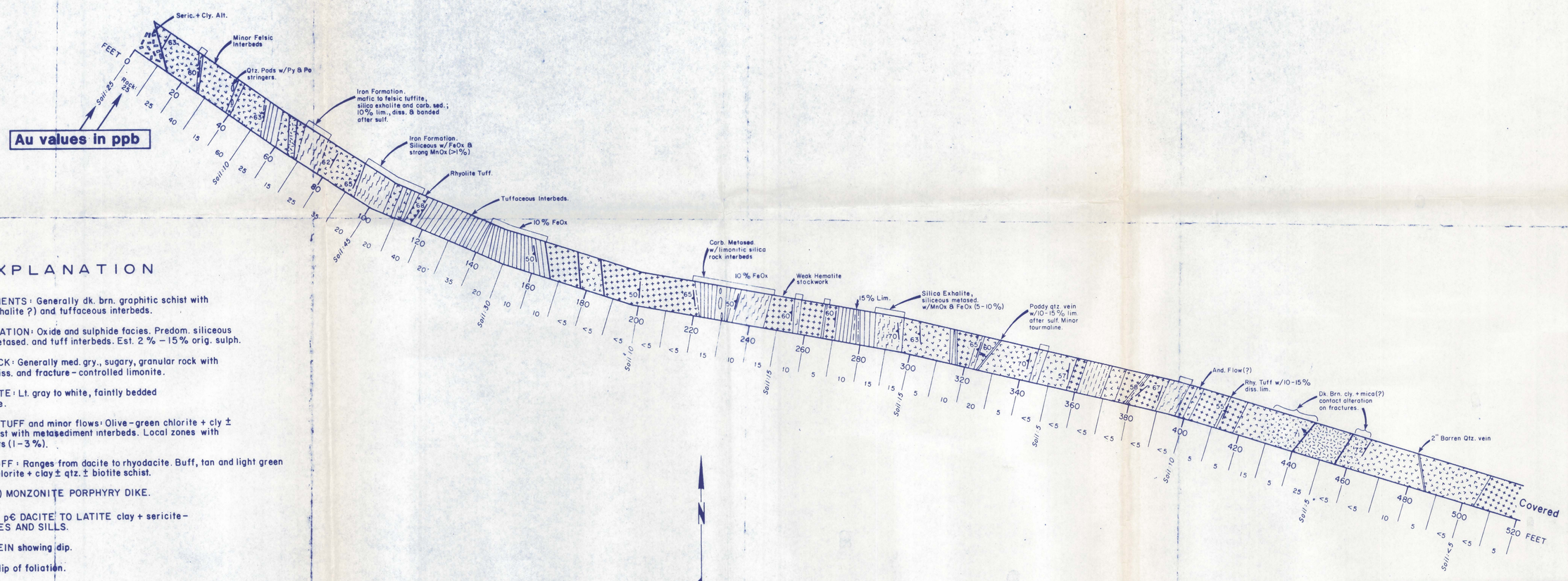
DRILLING AT THE THREE LOCATIONS WAS PERFORMED BY U.S. BORAX (RIO TINTO ZINC) UNDER JOINT VENTURE WITH TEXASGULF. RESULTS ARE HELD BY U.S. BORAX AS PROPRIETARY. INFORMATION THEREFROM IS NOT AVAILABLE.

GEOCHEMICAL RESULTS FOR SILVER, LEAD, COPPER, AND ARSENIC ARE ATTACHED AS EXHIBITS.

## GOLD SHEE 2 OF 2



SHEET 1 OF 2.
HAGERTY RESEARCH AND DEVELOPMENT CO. INC.
FEBUARY 3, 1986.
SURFACE GEOLOGY & UNDERGROUND PROJECTED WORKINGS. PHANTOM DWG.
NEW CLAIMS
BOUNDRIES OF HAGERY PROPERTIES
PECK MINE
PECK & SWASTIKA SHOULD THESE MINES BAY SYSTEM WOULD BE EXTENDED
AREAS BE PROCURED
SWASTIKA MINE
ALL WEATHER ROAD-BELOW SNOW LINE
TO COUNTY HIGHWAY
NEW CLAIM
SEC. VIEW
N
84°
13.5°
5400
5600
5800
6400
6162
1000 FT.
500 FT.
PECK CANYON
BAY SIZE-500 FT. BY 1000 FT. TYPICAL
HAULAGE ROADS PROJECTED
6652
6200
6400
6600
6800
6362
6000
ADIT PORTAL & WORK AREA (TYP.)
5000
CREEK
MULDOON
5750 FEET
SECTION PROFILE NORTHWEST
SCALE-FRACTIONS
4" = 2000 FT.
2" = 1000 FT.
1" = 500 FT.
1/2" = 250 FT.
1/4" = 125 FT.
1/8" = 62.5 FT.
1/16" = 31.25 FT.
HORIZONTAL LINE
200 FT.
50 FT. (TYP)
BAY TYP.
ADIT
SLOPE, ADIT BAY TO ADIT BAY - 50 FT. (TYP) OF 50 FT. BELOW THE HORIZONTAL
0 FT.
ADIT PORTAL & WORKING AREA
HAULAGE DRIFTS & BAY BOUNDRY
0 500' 1000'
SCALE
NORQUEST GLADIATOR MINE
NORTHERN SECTION HAGERTY PROPERTIES




## EXPLANATION

- METASEDIMENTS: Generally dk. brn. graphitic schist with siliceous (exhalite ?) and tuffaceous interbeds.
- IRON FORMATION: Oxide and sulphide facies. Predom. siliceous rock with metased. and tuff interbeds. Est. 2 % – 15% orig. sulph.
- SILICA ROCK: Generally med. gry., sugary, granular rock with 1% – 15% diss. and fracture – controlled limonite.
- METASILTITE: Lt. gray to white, faintly bedded qtz. siltstone.
- ANDESITE TUFF and minor flows: Olive – green chlorite + cly ± sericite schist with metasediment interbeds. Local zones with mafic garnets (1 – 3 %).
- LATITE TUFF: Ranges from dacite to rhyodacite. Buff, tan and light green sericite + chlorite + clay ± qtz. ± biotite schist.
- Laramide (?) MONZONITE PORPHYRY DIKE.
- Laramide or p€ DACITE TO LATITE clay + sericite – altered DIKES AND SILLS.
- 60 QUARTZ VEIN showing dip.
- 60 Strike and dip of foliation.
- Zones with estimated original sulphide >3%.

N

0 20 40 60 80 100
Scale Feet

PLATE 5

Texasgulf Minerals and Metals, Inc.
A Division of Texasgulf Inc.

**TRENCH PLAN, T-1**

**PECK CANYON PROPERTY**

**YAVAPAI CO., ARIZONA**

| | | |
|---|---|---|
| Scale: as shown | | Data by: K. Kanberge |
| Drafted by: Phillips | Date: 2/ 9/ 1984 | |

UNDERGROUND CROSSCUT HAULAGE DRIFTS FROM ADITS -
AT MULDOON GULCH 5600 FT. LEVEL
AT PECK CANYON 6000 FT. LEVEL
DOUGLAS FIR MINE
GENERAL STRIKE DIRECTION N.N.E.
ADIT & WORK AREA AT 6000 FT. LEVEL
PECK CANYON
OLD ROAD
REMAINS OF OLD ROAD
OLD ROADBED CROWN KING TO MAYER
WAR EAGLE GULCH
MULDOON GULCH
TO COUNTY HIGHWAY
ADIT & WORK AREA
56 FT. LEVEL
EXISTING OLD ROAD
HELIPORT
BOUNDRY MULDOON GULCH MINES
CONSOLIDATED MINES BOUNDRY
SHADED AREAS CANYON & GULCH FLOOR LEVELS
SHAFT
ADIT
BLDG
STREAM BED
UPPER CABIN
BLUE BIRD
OLD BURRO TRAIL
LOWER CABIN
PELICAN
GATE
FOREST SERVICE HELIPORT
DISTANCE BETWEEN POINTS IN FEET
GN
MN
0°44'
13.5°
GILA & SALT RIVER MERIDIAN
A FOUNDRY SMELTER
B WHAREHOUSE
C CHEMICAL REDUCTION
UPDATED JUNE 30, 1987.
LOCATION & LAYOUT SUMMARY, FUTURE CONSIDERATIONS.
EXHIBIT TO DEVELOPMENT & PHASING, CONSOLIDATED MINES, JUNE 10, 1987.
SHEET 1 OF 2
Hagerty Research & Development Co., Inc.
P. O. Box 2486
Prescott, Arizona 86302
0 500 1000
SCALE
1 INCH = 500 FEET