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

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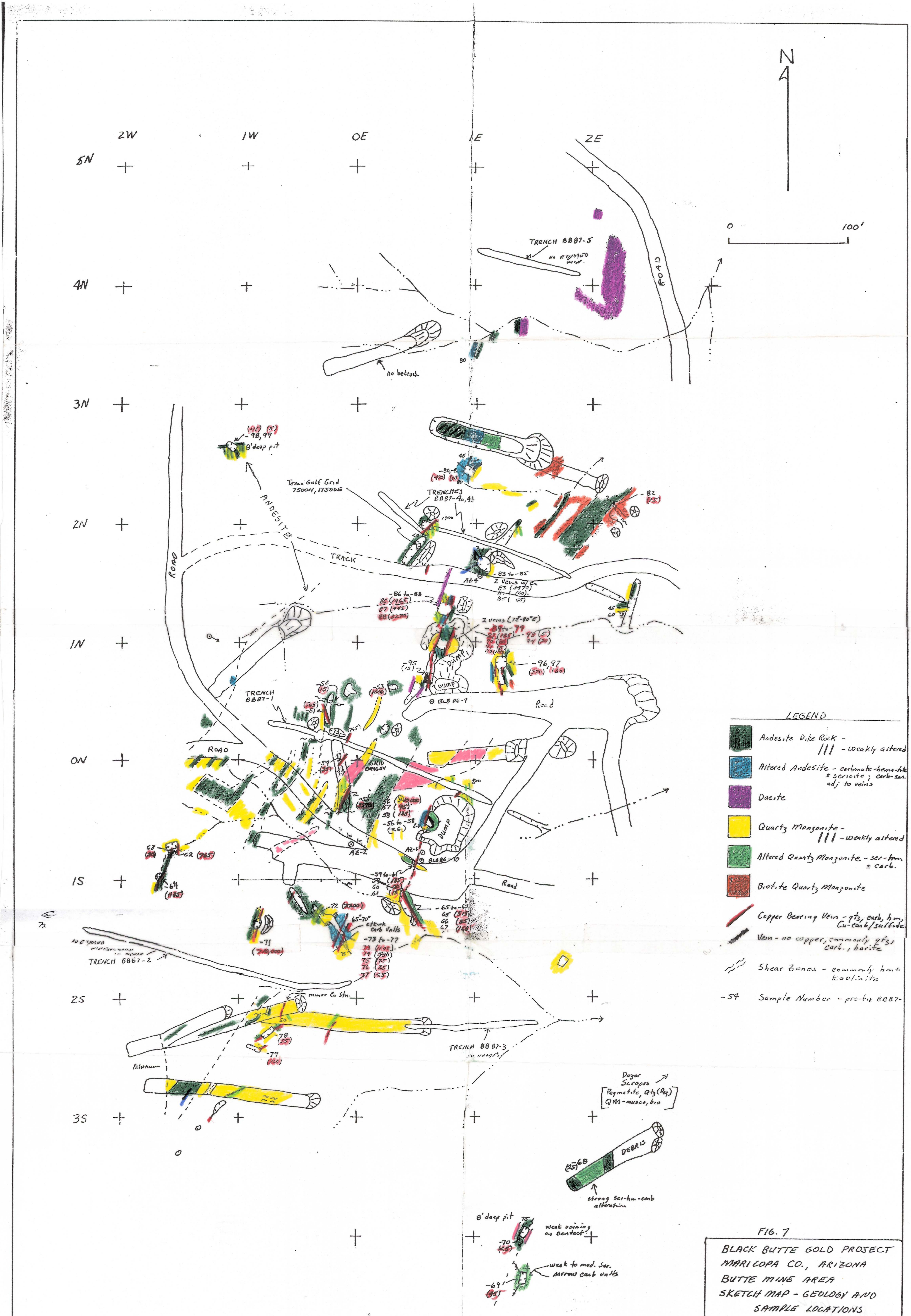
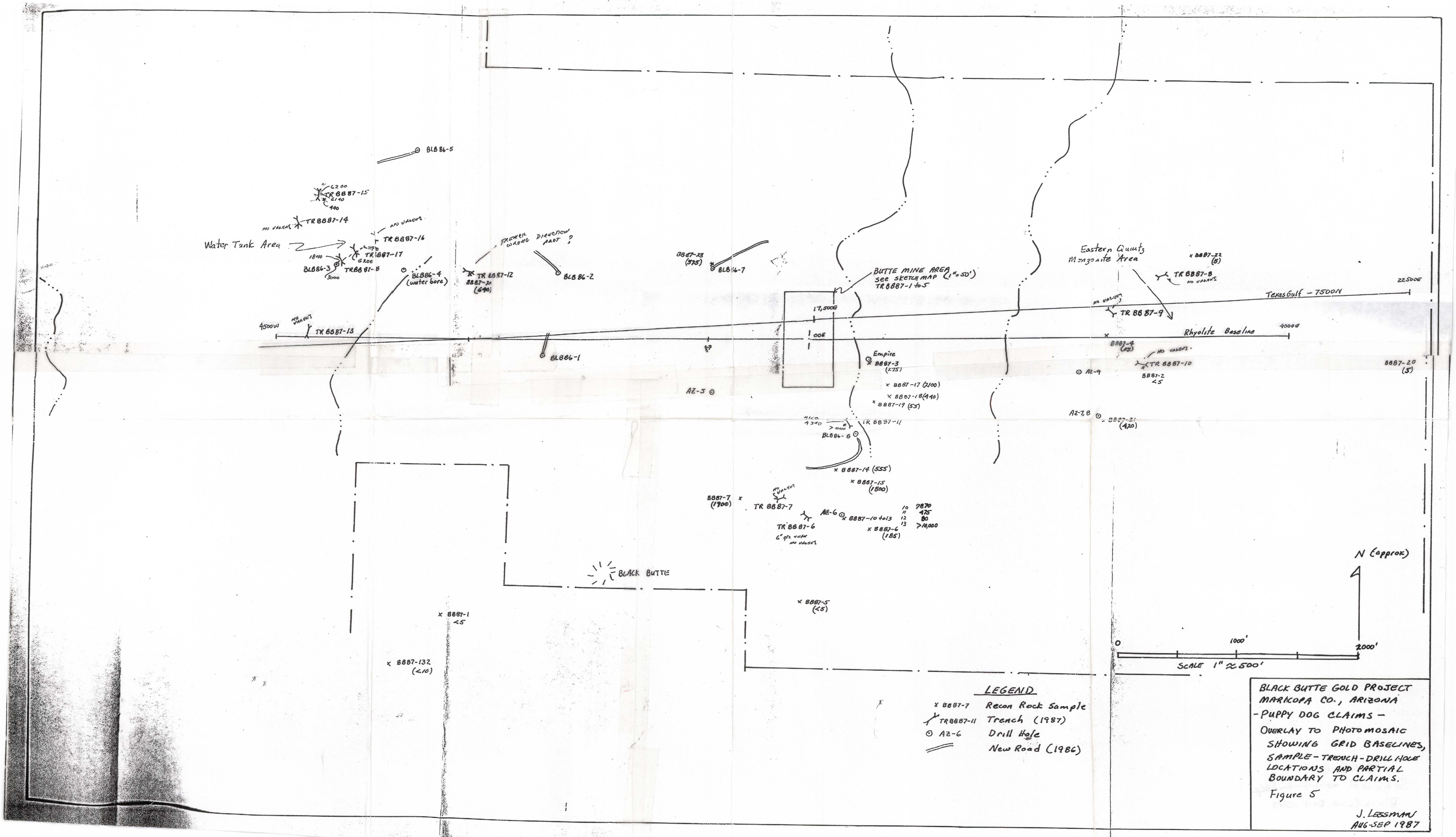


FIG. 7

BLACK BUTTE GOLD PROJECT
MARICOPA CO., ARIZONA
BUTTE MINE AREA
SKETCH MAP - GEOLOGY AND
SAMPLE LOCATIONS

21-29 AUGUST, 1987 - G. CLEVELAND
Rhyolite Grid
Samples BB87-51 to 100



BLACK BUTTE GOLD PROJECT
MARICOPA CO., ARIZONA
- PUPPY DOG CLAIMS -
OVERLAY TO PHOTOMOSAIC
SHOWING GRID BASELINES,
SAMPLE - TRENCH - DRILL HOLE
LOCATIONS AND PARTIAL
BOUNDARY TO CLAIMS.

Figure 5

J. Lessman
AUG-SEP 1987

RHYOLITE RESOURCES INC.

PUPPY DOG GROUP
Maricopa County · Arizona

0 50 100 200 300 400 500 1000ft
SCALE 1" = 200'

DATE	REVISION	BY
Sept.15/83	Base map & Geochem	P.K.C.

COPPER GEOCHEMISTRY (ppm)

RHYOLITE RESOURCES INC.

PUPPY DOG GROUP
Maricopa County · Arizona

0 50 100 200 300 400 500 1000ft
SCALE 1" = 200'

DATE	REVISION	BY
Sept.13'83	Base map & geochem	P.K.C.

GOLD GEOCHEMISTRY (ppb)

LEGEND

a	Overburden
b	Quartz
c	Mafic dykes
d	Mafic porphyry volcanics / dykes
e	Breccia
f	Andesite
g	Transitional / hybrid rock
h	Quartz Monzanite / granite
i	Pegmatite
j	Granodiorite
▬ ▬	Mineralized veins / showings
xxxxxxx	Barite vein
⇢	Dry wash
— —	Trail

RHYOLITE RESOURCES INC.

PUPPY DOG GROUP
Maricopa County · Arizona

0 50 100 200 300 400 500 1000ft
SCALE 1" = 200'

DATE	REVISION	BY

GEOLOGY MAP

RHYOLITE RESOURCES INC.

PUPPY DOG GROUP
Maricopa County · Arizona

0 50 100 200 300 400 500 1000ft
SCALE 1" = 200'

DATE	REVISION	BY

MERCURY GEOCHEMISTRY (ppb)

LEGEND
Q Quarternary Alluvium and Pediment. Gravel
Tbbb Tertiary Black Butte Unit: Basalt Flow.
Tbba Tertiary Black Butte Unit: Andesite Flow.
Tpt Tertiary Petterson Tank Unit: Andesitic to Rhyodacitic Volcanic and Volcaniclastic Rocks.
Tpta Tertiary Petterson Tank Unit: Andesite Dikes.
MzDH Mesozoic(?) DH Unit: Dacite Porphyry Dikes.
MzMQ Mesozoic(?) Mine Unit: Quartz Monzonite
MzMF Mesozoic(?) Mine Unit: Fine Grained Quartz Monzonite.
MzMB Mesozoic(?) Mine Unit: Biotite Quartz Monzonite.
PЄM Pre-Cambrian Metamorphic Unit: Pinal Schist Equivalent Mafic Gneiss and Schist.
Fault
Hematite, Malachite/Chrysocolla, Quartz Veins.
BLB 86-1
Drill Hole
Trench
Road
Trail
Strike and Dip of Bed or Flow
N
0
500 FT
R 7 W
R 6 W
10
11
12
15
22
23
24
BLACK BUTTE
Superior Hole
Superior Hole
Empire Hole
BLB 86-1
BLB 86-2
BLB 86-3
BLB 86-4
BLB 86-5
BLB 86-6
BLB 86-7
BLB 86-8
BLB 86-9
BLB 86-10
BLBT 86-2
BB#1
BB#2
Az 1,2,3
Az 4
Az-5
Az-6
Az-7,8
Az-9
11,000
10,500
10,000
9,500
9,000
8,500
8,000
7,500
7,000
6,500
6,000
5,500
5,000
10,000
11,000
12,000
13,000
14,000
15,000
16,000
17,000
18,000
19,000
20,000
21,000
22,000
22,500 E
1051
1041
1008
1100
1130
1200
Tpt
Tpta
Tbbb
Tbba
MzDH
MzMQ
MzMB
MzMF
PЄM

BB-1,2, Empire = Freeport '68 DDH
Packsack holes - 1983 - Poloni DDH
AZ 1-9 - Rhyolite DDH
BLB 1-10 - TexasGulf 1986 Perc
[illegible] - 2 each 10'any

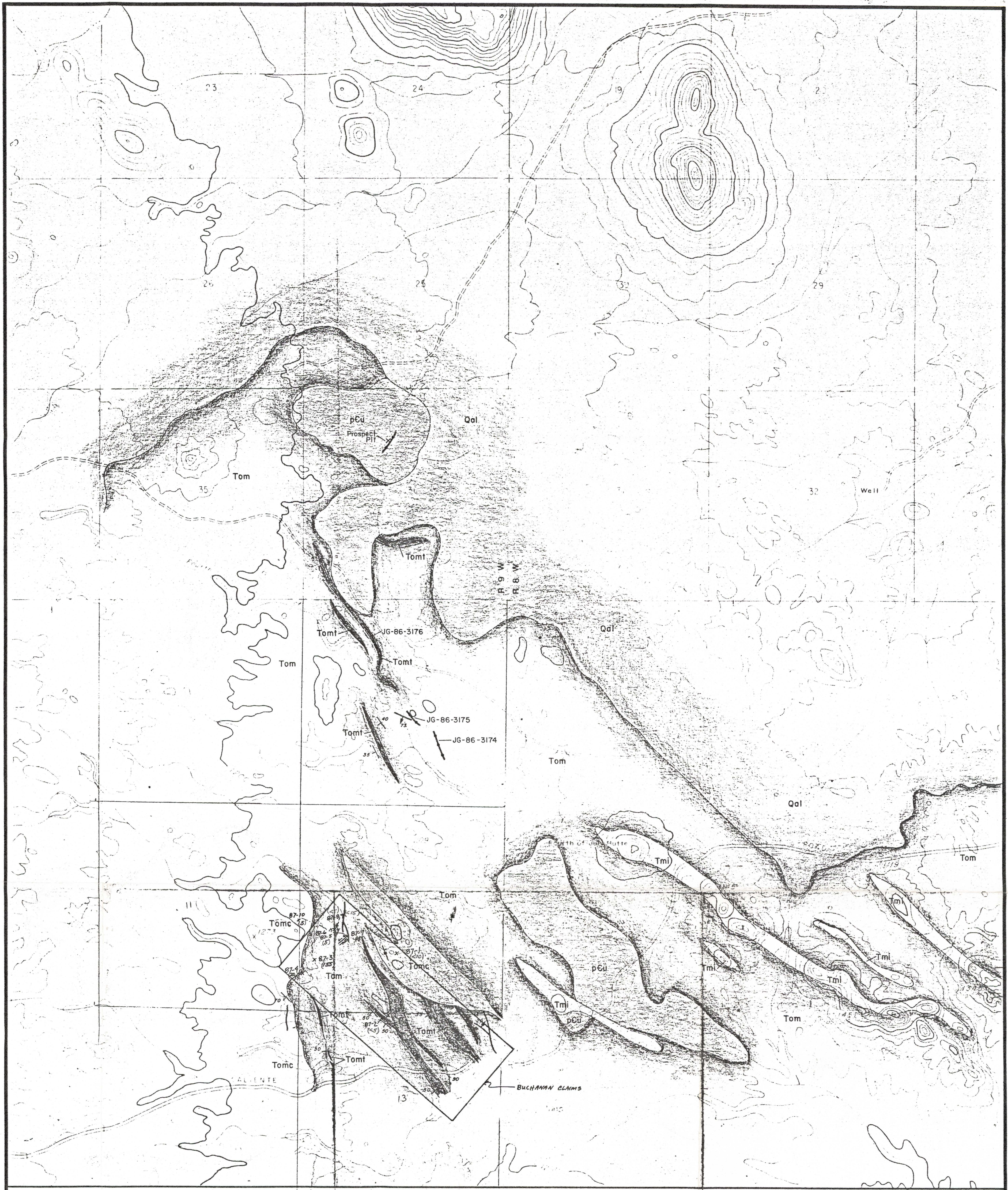
TEXASGULF MINERALS AND METALS INC.
255 GLENDALE AVE, SUITE 13, SPARKS, NV 89431

BLACK BUTTE PROJECT
MARICOPA COUNTY, ARIZONA
PRELIMINARY GEOLOGIC MAP

FIGURE 6

SCALE : 1 - 500'

DATA BY: J.G.



Qal Quaternary Alluvium

Tom < 19 m.y. old Andesite, Dacite flows

▨ Clay rich tuffs, minor Jasper at top of beds

Tomc Volcanic Conglomerate

Tmi 20 to 40 m.y. old Granodiorite Intrusive rocks

pЄu Undifferintiated Precambriam – crystalline rocks

x 87-2 Buchanan Sample Locations (prefix Buc)

N

0 2000'

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

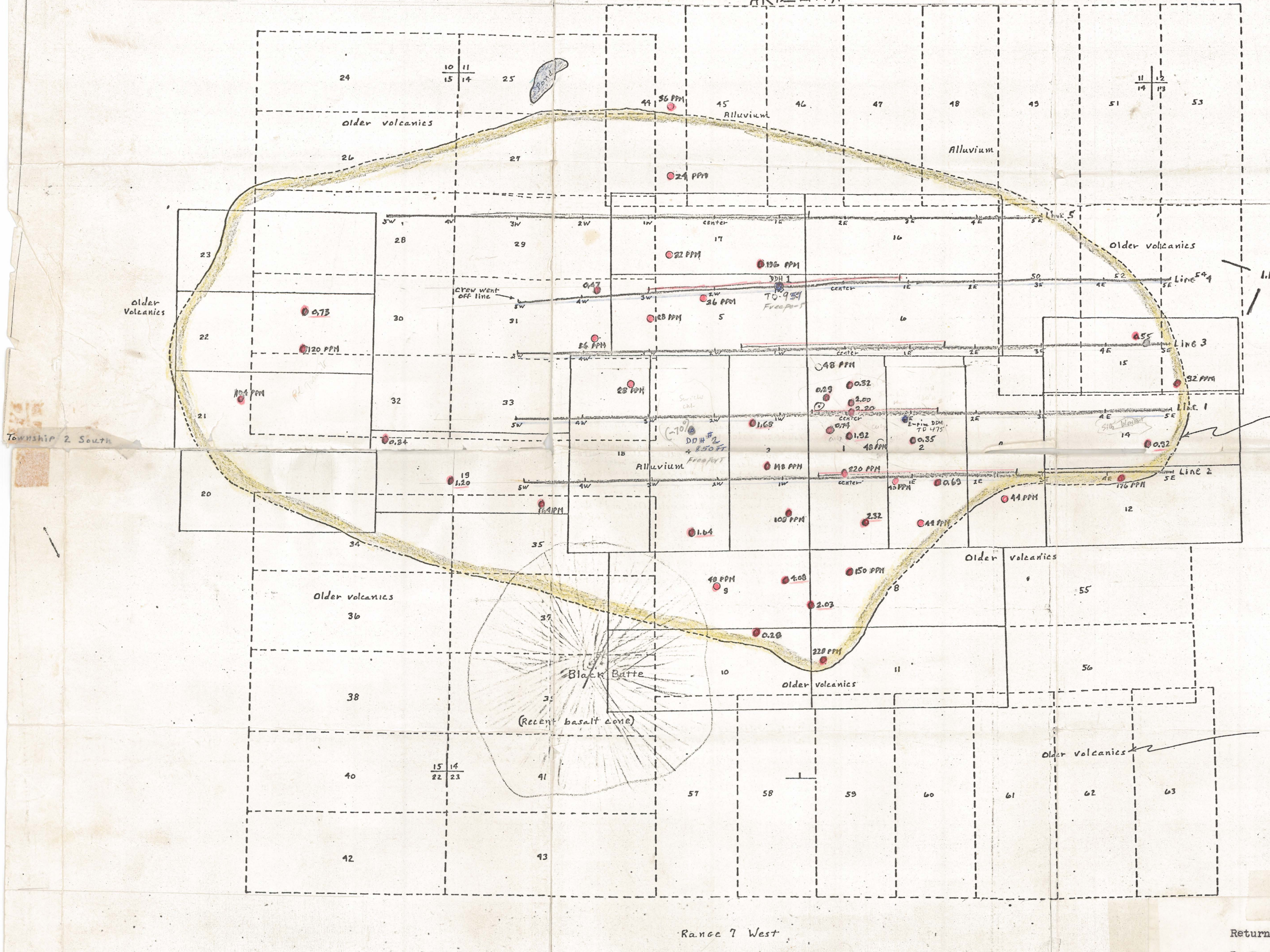
FIGURE 26

GEOLOGICAL SKETCH MAP
BUCHANNAN CLAIM AREA
MARICOPA CO., ARIZONA

Scale:
Data by: P.D.H.
Drafted by:
Date: 10/ / 1986

BLACK BUTTE PROSPECT

MARICOPA COUNTY
ARIZONA



N

Scale 1" = 500'

Assays in red

Values less than 0.1 % total copper given in parts per million.
Significant values shaded red.

I.P. lines in blue

Location of favorable I.P. response shown by red shading on each line.

Approximate outline of Granitic intrusive Stock. Contacts locally obscured by alluvium and younger volcanics.

Within the yellow-shaded outline the granitic rocks including quartz porphyry, equigranular granite and quartz monzonite are complexly "mixed" with blocks of highly broken, altered "older volcanics".
The intrusive rocks occur in outcrop as dike-like bodies, plugs, and broad-surfaced masses, randomly cutting the older volcanics, and including the volcanics as zenoliths or isolating patches as "islands."

Copper mineralization occurs mainly in the intrusive rocks as chrysocolla and minor chalcocite and rarely as chalcopyrite. Some copper oxides are found as staining in the enclosed volcanics and both copper oxides and sulphides are found in quartz-barite veins which cut all rock types.

Quartz veins are very abundant and cut the rocks within the yellow-shaded outline in all directions.

The "older volcanics" consist mainly of variably-textured andesitic flows and tuffs. Away from the intrusive stock the volcanics are commonly flat-lying to shallowly dipping, only somewhat fractured, barren, and mostly fresh.
Quartz veining is rare.

Return to:

R. F. McFate
6219 West Coronado
Phoenix, Arizona 85035