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Mining Records Curator
Arizona Geological Survey
3550 N. Central Ave, 2nd floor
Phoenix, AZ, 85012
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http://www.azgs.az.gov
inquiries@azgs.az.gov

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billed

11

3/1/68

Kayser Sullone ✓do. charge

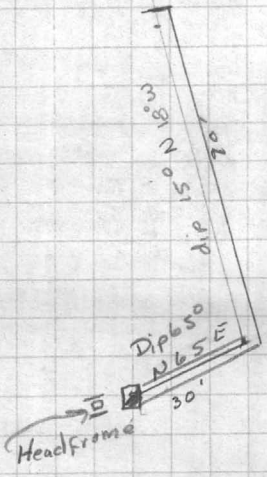
$3.20 + tax

for 10 minutes

Don called

Walt.

MRS.


N
1" = 50'
Old shaft
0+00 Center
Vein
* distances shown
not slope corrected
Oxide Cu on
Vein - contact
Granite Gneiss
Some sulfide
Dip 65°
N65E
30'
Headframe
dip
N 65°E
70'

lower One
N 85° E

Middle
S 49° E

Upper
S 49° E

$24\frac{3}{}$ elev. diff.
11° horiz - to South

drift under incline E side

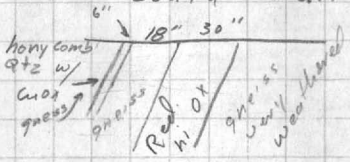
N 32 W (approx)

Center Vein
Red vein
snow Vein
Cold Vein N 36° W
East Vein - N 55° W
West vein N 48° W

foliation
N 65° W
dip 70-85° N

West vein

south wall - North cut

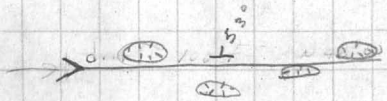


need two samples

1. Red oxidized zone } split run as 3 samples
2. gneiss with Cu ox } 1 ea, + a composite

West Vein - wheel barrow drift

drift 100' ft N 48° W



should sample drift & at all pits

↓

every 10'-20'

March 6, 1968

MEMO TO: Mr. Paul Kayser
SUBJECT: Reconnaissance of Mile Hi Claims, Harquahuala Mountains, Yuma County, Arizona

This property has merit as a promising economic venture but must be handled with some care primarily because of its remote location. The present method of bulk sampling appears to have been a good start in development of this property, but must be supplemented with more information.

The following is a suggested program for completion of development of this property:

1. Process the bulk samples now on hand to determine the metal content in the samples. If the results are the least bit encouraging the rest of the program can be initiated.

2. Obtain the aerial photographs used by the U.S. Geological Survey to compile the Gladden topographic Quadrangle for subsequent mapping. The present topographic map is not sufficiently detailed in some critical areas to map on.

3. Sample, on a regular basis, the veins that are present on the property. The sample locations should be marked on the photos and the ground. Assay results can then be plotted and possible trends or richer zones determined.

4. Geologic mapping on a reconnaissance basis (and detailed in some areas) on the photos. With this information on hand, a better picture of the area is available to make the necessary decisions as to future development of the property.

The sampling and geology could be carried out simultaneously but not necessarily so.

The geology of the area is both very complicated and simple in various places. The present known mineralization is fairly simple; it occurs in fractures within the gneissic rock. The mineralization is both oxide and sulfide copper and gold. The complex part is where did it come from and what is the relation to the igneous intrusion to the northeast. A very little increase in the values could make this into a gold property as well. Most of the mines on the flanks of the mountain are gold mines and the situation seems to be favorable here.

Very intensive alteration of some of the veins nearest the intrusion(s) has removed the sulfides and changed the magnetite to martite but may have left any associated gold. This is part of the reason for the surface sampling program recommended.

Respectfully submitted,

HEINRICHS GEOEXPLORATION COMPANY

Donald B. Cooley
Geologist

DBC:jc

Dear Don:

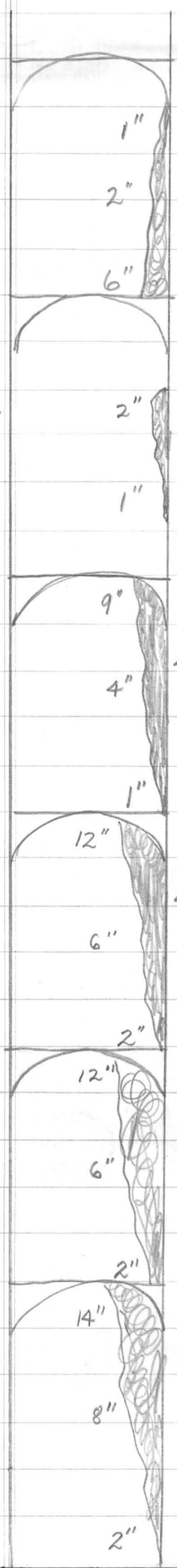
The following samples were run with ore taken from Drift #1 on the west side at Mr. Kayser's "Mile Hi". All of the ore from each 4' round was brought to me in Phoenix. It was ground to 1/4" minus, and then mixed very well.

Arizona Assay

			oz Ag	oz Au	% Cu	% Pb	% Zn
6507	"A" Round	59'-63'	.40	.40	5.51	Nil	1.50
6508	"B" Round	63'-67'	.40	.38	1.60	Nil	.60
6509	"C" Round	67'-71'	.30	.16	.38	Nil	.50
6510	"D" Round	71'-75'	.30	.08	.34	Nil	.45
6511	"E" Round	75'-79'	.30	.08	.25	Nil	.45
6512	"F" Round	79'-83'	.40	.05	.46	Nil	.50
6513	"G" Round	83'-87'	.30	.10	.36	Nil	.45
6514	"H" Round	87'-91'	.40	.30	.65	Nil	.50
	"Johnnie" Claims						
6504	From above Corner 17,18,23 & 24 outcrop		.30	Tr.	.65	Tr.	1.20
6505	From 220' west of Corner 17,18, 23 & 24 outcrop		.30	Tr.	2.00	Tr.	1.10
6506	"Sample taken from stock-pile"		.40	Tr.	1.21	Tr.	1.30
# 187	290' South SWSC Rep. 14		.30	Tr	2.35	Nil	1.20
# 188	110' S -283' W WSC Rep. 14		.30	Tr	1.51	Nil	1.30
# 189	40' S 282 WSC Rep. 14		.20	Tr	.45	Nil	1.00

PK – Drift #1 Mile Hi

Vein beginning to widen – today
Franks says it has widen to 20"?



4'x6'

Depth 4' 960 cu.ft.
2-10-68
2.11 cu.ft.

3½'x6½"

Depth 4' 910 cu.ft.
2-9-68
1.62 cu.ft.

4½'x6'

4' Depth
1080 cu.ft. 1½ sacks ?
2-7-68
13.32 cu.ft

4½'x6½'

1170 cu.ft.
4' depth. 2-3-68
14.92 cu.ft ore 6 sacks ?

4½'x6½'

4' depth 1170 cu.ft.
2-1-68 12 sacks
14.92 cu.ft. ore

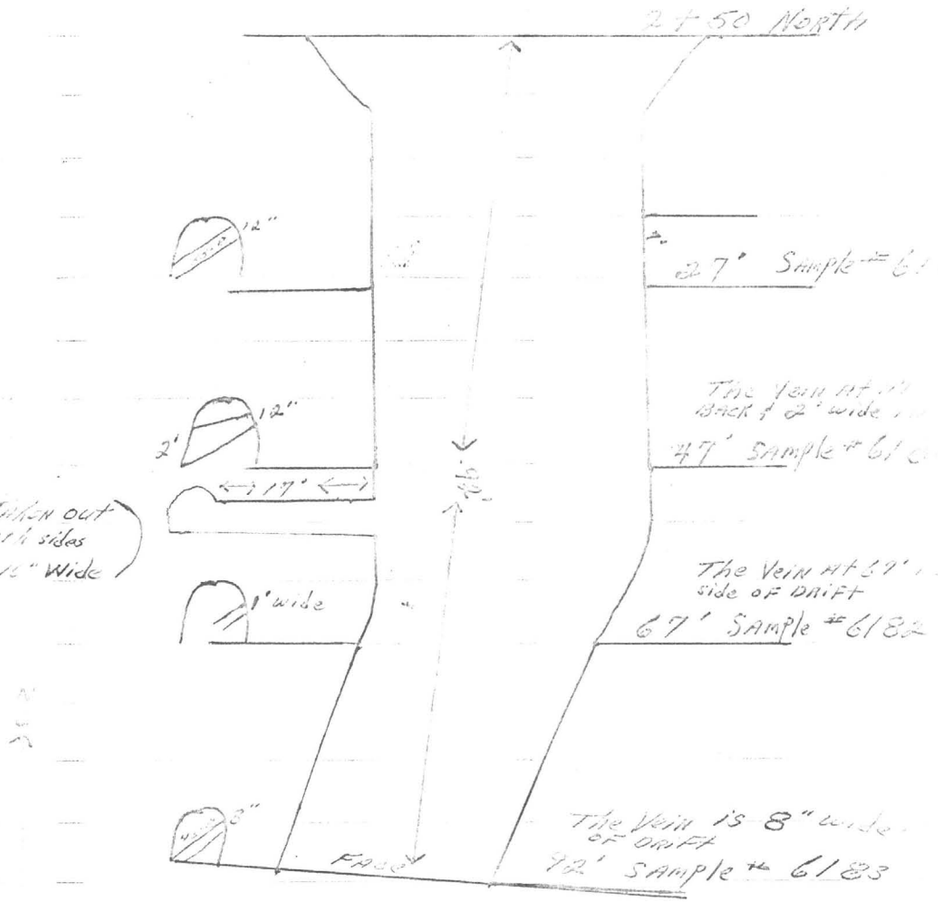
4½'x6½'

ore 1170 cu.ft. Total
4' depth 1-30-68 11½ sacks
17.32 cu.ft. ore Approx 80#/sack

Coolers

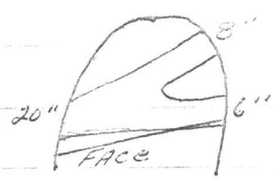
Pile High Property

West Vein Wheel Barrow Drift



20' - 1"

Sample # 6184 Taken From the Face



HEINRICHS GEOEX
GEOPHYSICAL ENGINEERS
TUCSON, ARIZONA

APR 26 1968

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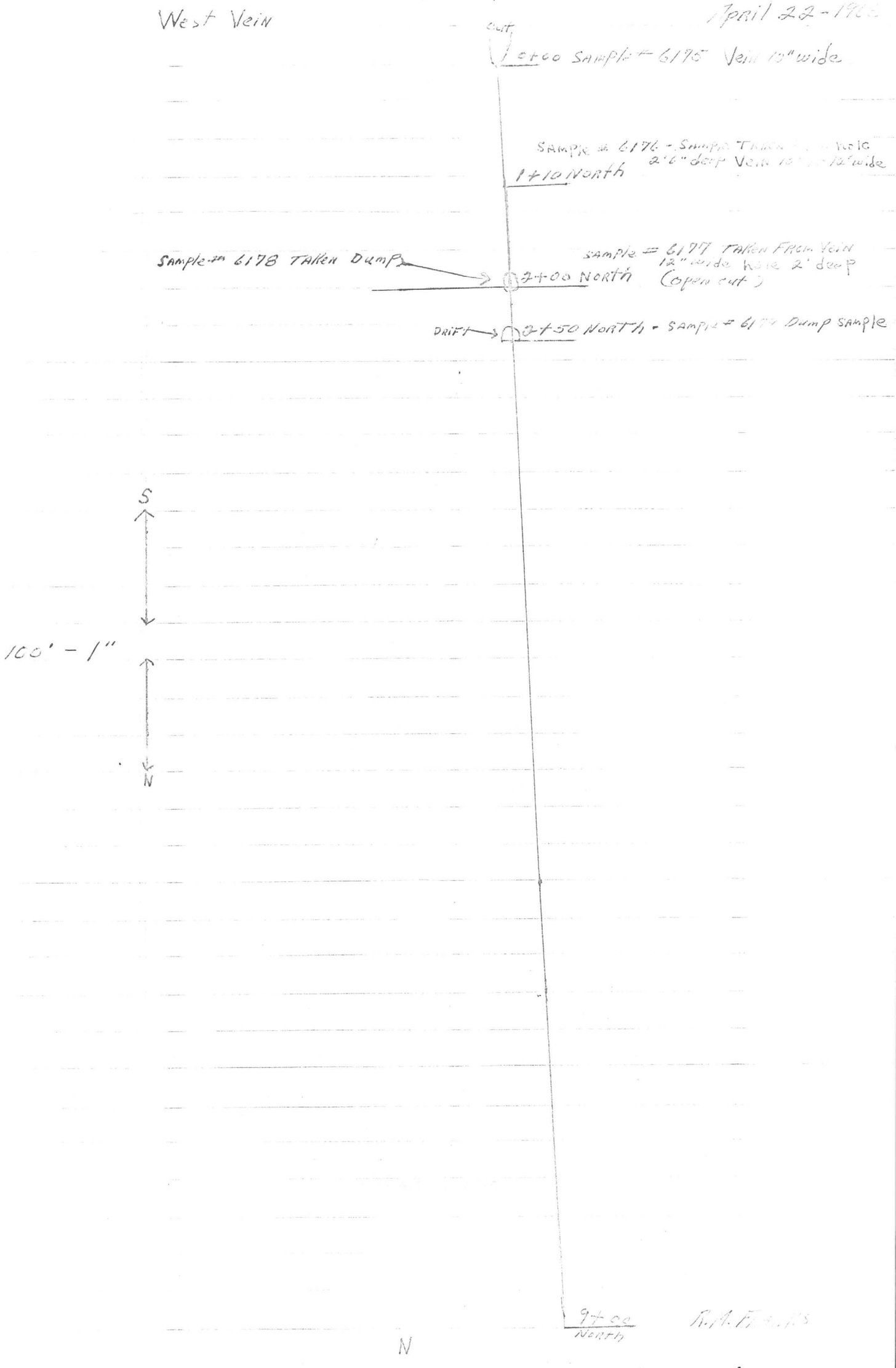
Phone: (AREA 602) 623-0578

S

Mile High Property

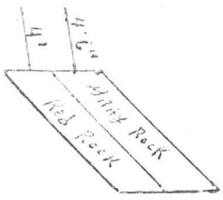
West Vein

April 22 - 19[illegible]



Mile High Property

West Vein



9+00 North

Sample # 6186 Taken From 2' hole Blasted — 9+50 North

Sample # 6187 Taken From Vein 4'6" wide Gray Rock (open cut) — 10+50 North — Sample # 6188 Taken From Vein 4' wide Red Rock

Vein 2' wide Blasted 4' hole — 11+65 North

S

100' - 1"

could not find Vein — 14+17 North

N

C. L. Moore
6060 N. 7th St.
Apt. #4
Phoenix, Ariz. 85014

PHOENIX, ARIZ.
PM
25 APR
1968

Heinrichs Geoexploration Co
P.O. Box 5671
Tucson, Ariz. 85703

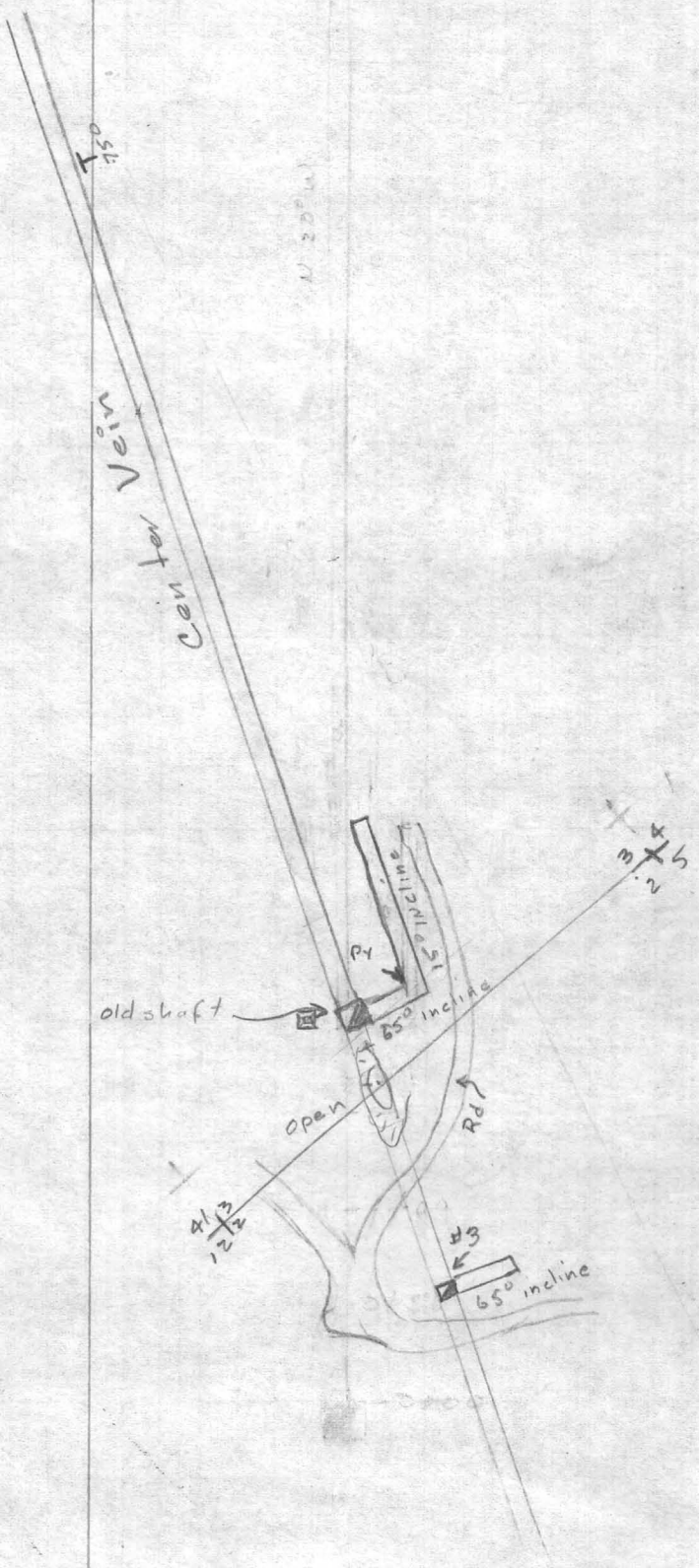
UTILITY Line Form No. 65-208

PK Mile Hi

No.	Location	Arizona Assay			Rhodes		
		oz. Silver	oz. Gold	% Cu	oz. Silver	oz. Gold	% Cu
	Cooley Geo. study Don Colby - 4-18-66						
44	Center Vein 0+50 N - 3' shot hole	.4	Tr	.04			
45	" " 1+10	7.70	.03	.04			
46	" " 1+74 N	.4	.01	.10			
47	" " 2+50 N	3.60	.01	.14			
48	" " 3+0 N	.5	.03	.23			
49	" " 3+62 N	.9	.01	.05			
50	" " 4+0 N	.9	.02	.045			
51	" " 2+12 N Clay	.4	.04	.14			
52	" " 4+50 N	.4	.01	.08			
53	" " 5+00 N clay	.3	Tr	.04			
54	" " 5+60 N	.3	Tr	.18			
55	" " 6+12 N	.4	.01	.08			
56	" " 7+00 N	.4	.01	.085			
57	" " 7+22 N from cut vein 2' wide 8' high	.4	.01	.17			
58	Red Vein 0+00 N - old hole	.4	.01	.085			
59 No	60 " " 0+50 S	.4	.01	.125			
61	"A" Surface vein	.3	.01	.075			
62	Center Vein 4+65 S	.4	Tr	.41			
63	Snow Vein 1+50 S	.4	Tr	.105			
64	" " 3+00 S	.4	Tr	.08			
65	" " 5+05 S	.4	Tr	.125			
66	" " 5+05 S Dump	.4	.01	1.25			
67	Cold Vein 0+00	.4	.01	.035			
68	" " 1+05	.4	.01	.155			
69	" " 1+55	.4	.02	.21			
70	No. 1 Qtz.	.4	.01	.03			
71	No. 3 Qtz	.4	.01	.60			
73	East Vein 0+00 Soil sample	.4	Tr	.035			
74	" " Oxidized - Stained Granite, gneiss, Pegmatite	.3	Tr	.04			
75	West vein 0+00	.5	Tr	.28			
76	" " 1+10 N	.4	.06	1.20			
77	" " 2+00 N	.2	.90	2.60			
78	" " 2+00 N Dump	.2	.40	.80			
	" " 2+50 N Drift dump	.4	.10	.70			

PK - Mile Hi

	Location	Arizona Assay			
		oz Silver	oz Gold	% Cu	% Sil
80	West Vein - Wheel Barrow Drift 2+50 N	1.55	.24	.62	
81	Same 27' to 47' S	.70	.01	1.21	
82	" 47' to 67' S	.50	.20	1.32	
83	" 67' to 92' S	.60	.10	2.40	
84	" Face 92'	.40	.30	1.10	
85	" out of Raise up 17' on W. side drift	.70	.03	1.11	
86	West Vein 9+50 N	.60	.01	.27	
87	" " 10+50 N - Grey	.40	.01	.97	
88	" " 10+50 N - Red	.40	.01	.22	
89	" " 11+65 N	.40	Tr	.50	
90	No Card				
91	Outhouse Vein 0+00	.40	.03	.75	
92	" " Vein 6+28 S & 1+50 E. of #2 Shaft	.50	.28	2.11	
93	Outhouse Vein 6+28 S Black rock 1+50 E of #2 Shaft.	1.00	.01	.60	



N 1" = 100'

incline dist. not Corrected for

oldshaft

Along fracture - highly weathered very clayey - maybe strong Alteration as @ surface

Vein max. 18" - mostly azurite 2% max some pyrite one place usually ½%

Center Vein dips 60-75°
strike N20°W

for measuring
0+00 = old shaft

Py @ 4+00

The UTILITY Line Form No. 65-206

PK - Mile Hi

No.	Location	Arizona Assay oz. Silver	oz. Gold	% Cu.
	Miscl. Samples from Various points on Claims			
8656	Surface Vein #1 north end of Claim #3	.6	.01	.10
57	Surface east of Vein #2 northeast end Claim #3	.4	Tr.	.035
58	Extreme north end Vein #1 Claim #3 - 300' N of #57 sample	.4	.02	.12
8661	Drift #1 on West side	.3	.08	.55
8662	Drift #2 "	.4	.05	.84
8663	Dump @ Drift #2 before our mining	.3	.20	9.64
8667	Top of ridge N. of Shack 10-4-67 Surface	.4	Tr	1.05
8668	1200' N. Shack surface	.4	.01	.04
8578	1/2 mile from Low Tank	.4	.01	3.10
	N.W. surface sample			
	Same	.4	.01	5.70
9750	West side below Drift #2 now surface vein	.6	.02	4.78
8596	Surface sample Claim #42	.4	.22	.21
8595	" " Claim #28	1.0	.01	.40

The UTILITY Line Form No. 65-206

PK Mile Hi

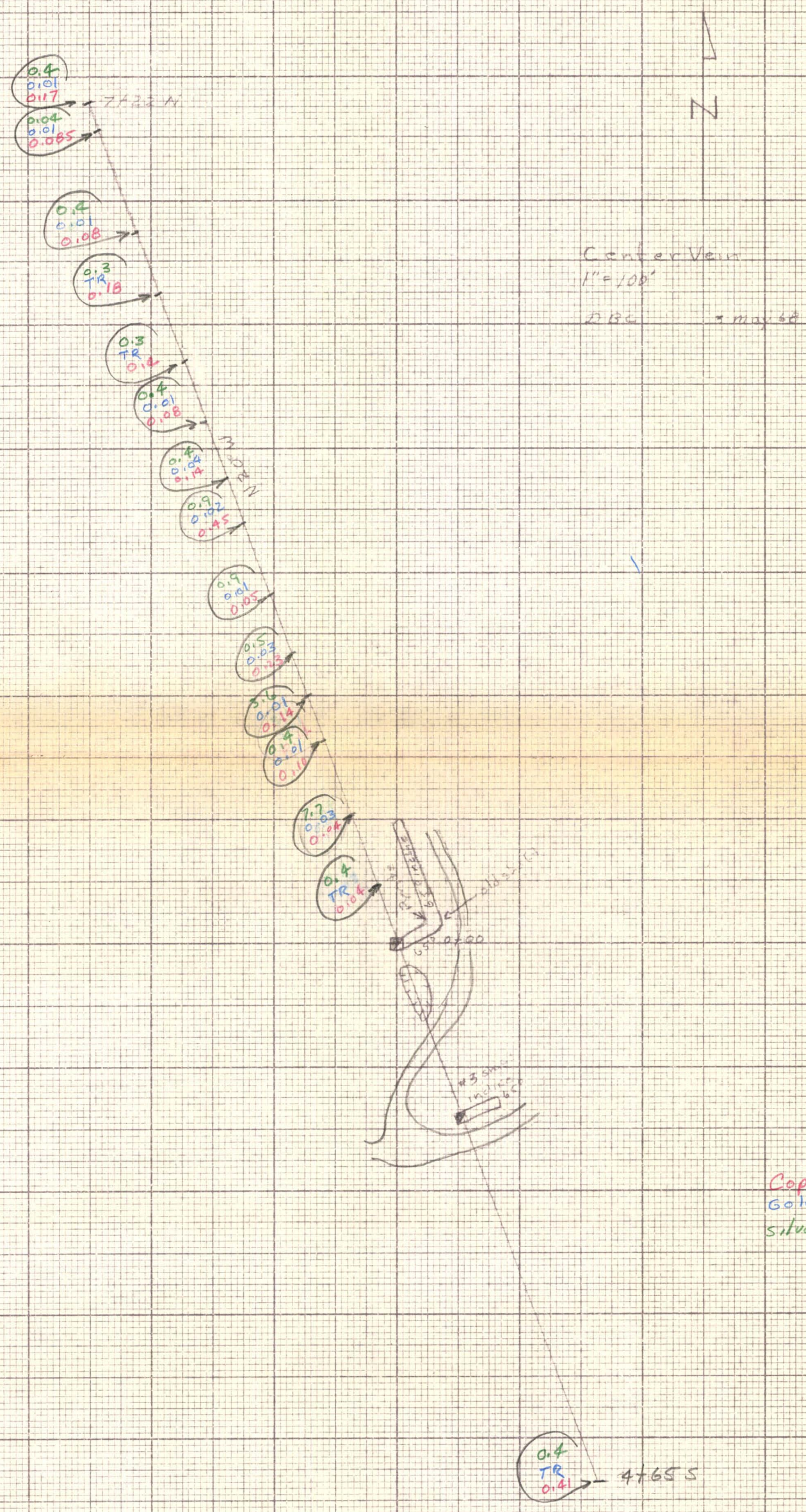
No.	Location	Arizona Assay			Rhodes		
		Oz. Silver	Oz. Gold	% Cu.	Oz. Silver	Oz. Gold	% Cu.
	Old drift under present shaft #2						
#1	200' entrance to face	.3	.17	.09			
#2	165' entrance - side	.4	.03	.30			
#3	Same - random floor	.3	.17	.29			
#4	" - " "	.4	.22	.40			
	Shaft #2						
#5	8'-9' down - N.E. Wall	.6	1.54	1.21			
#6	8'-9' down - North Corner	.7	1.08	1.08			
#11	Mix of ore near surface	.5	.80	3.70			
#16	Ore taken by P.K at N. Corner	.7	2.11	1.51			
#1	22' down from collar	.6	.40	.60			
#2	16' down from collar	.3	.73	.40			
#3	Grey rock down shaft	.4	.04	.45			
8669	Vein #1 10-4-67	.7	.90	3.10			
	Shaft #1						
8670	10-4-67 Depth ?	5.2	.40	12.20			
8565	10-10-67 "	.7	.90	3.10			
	Shaft #3						
8564	10-12-67 Depth ?	.4	.02	.25			
8566	10-20-67 #2 "	.4	Tr.	.04			
67	10-20-67 #3 "	.4	Tr.	.155			
69	10-18-67 #1 "	.4	Tr.	.03			
70	10-18-67 #2 "	.4	Tr.	.025			
71	10-22-67 #4	.4	Tr.	.07			
72	10-24-67	.3	Tr.	.075			
73	10-25-67 #5	.4	Tr.	.12			
74	11-1-67 #6	.4	.01	.12			
75	11-1-67 #6A	.6	Tr.	3.70			
76	11-7-67 #7	.4	.01	.05			
77	11-7-67 #7A	.3	Tr.	.035			

The UTILITY Line Form No. 65-206

PK Mile Hi

No.	Location		Arizona Assay % Silver	% Gold	% Copper
	Drift #2 - West side down hill - old drift				
8800	11-19-67	45'	.8	.04	3.30
8801	11-21-67	46'-54'	.8	.04	2.91
03	11-30-67	54'-58'	.4	.14	2.50
04	12-2-67	58'-62'	.6	.07	2.60
05	12-3-67	62'-66'	.5	.08	1.10
8816		66'-70'	.3	.16	1.85
17		70'-74'	.4	.02	6.26
19		74'-78'	.6	.02	1.60
20		78'-82'	.6	.02	2.45
	Drift #1 - West side down hill - Above Drift #2				
8806	12-7-67	15'-19'	1.0	.62	7.60
21		19'-23'	.3	.42	10.50
807		23'-27'	1.1	.50	12.20
808		27'-31'	.4	.60	15.90
810		31'-35'	.8	.60	13.00
811		35'-39'	.4	.68	11.61
9749	37' from Portal		1.1	.76	.05
8812		39'-47	.4	.08	2.80
13		47'-51'	1.0	.70	.51
14		51'-55'	.6	.82	2.35
15		55'-59	1.2	.56	2.50

Additional ore mined to 85' plus, but not sampled mined & hauled to Phoenix - will be weighed & mining ratio calculation made.



Copper - %
Gold - oz/ton
silver - oz/ton

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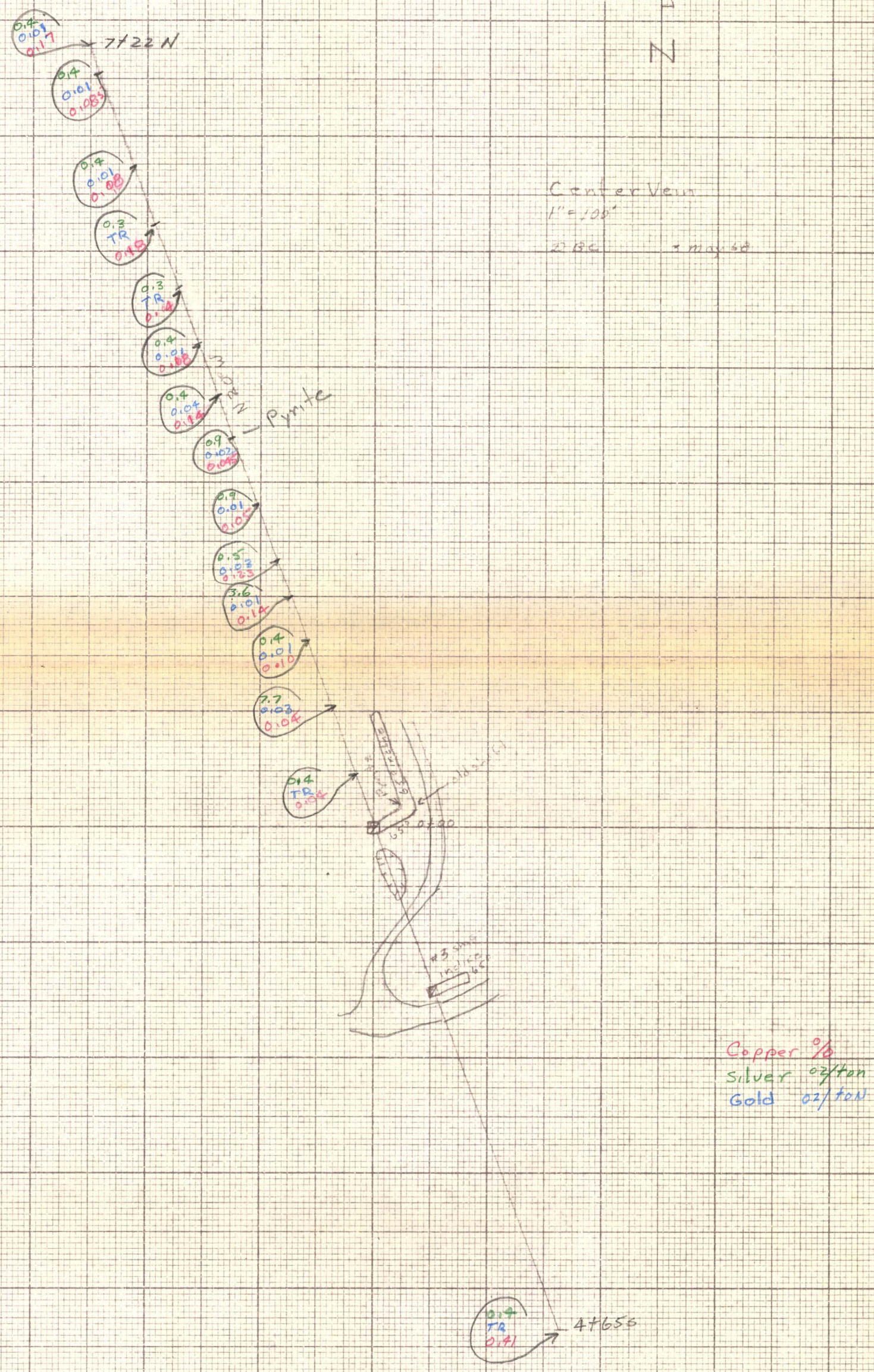

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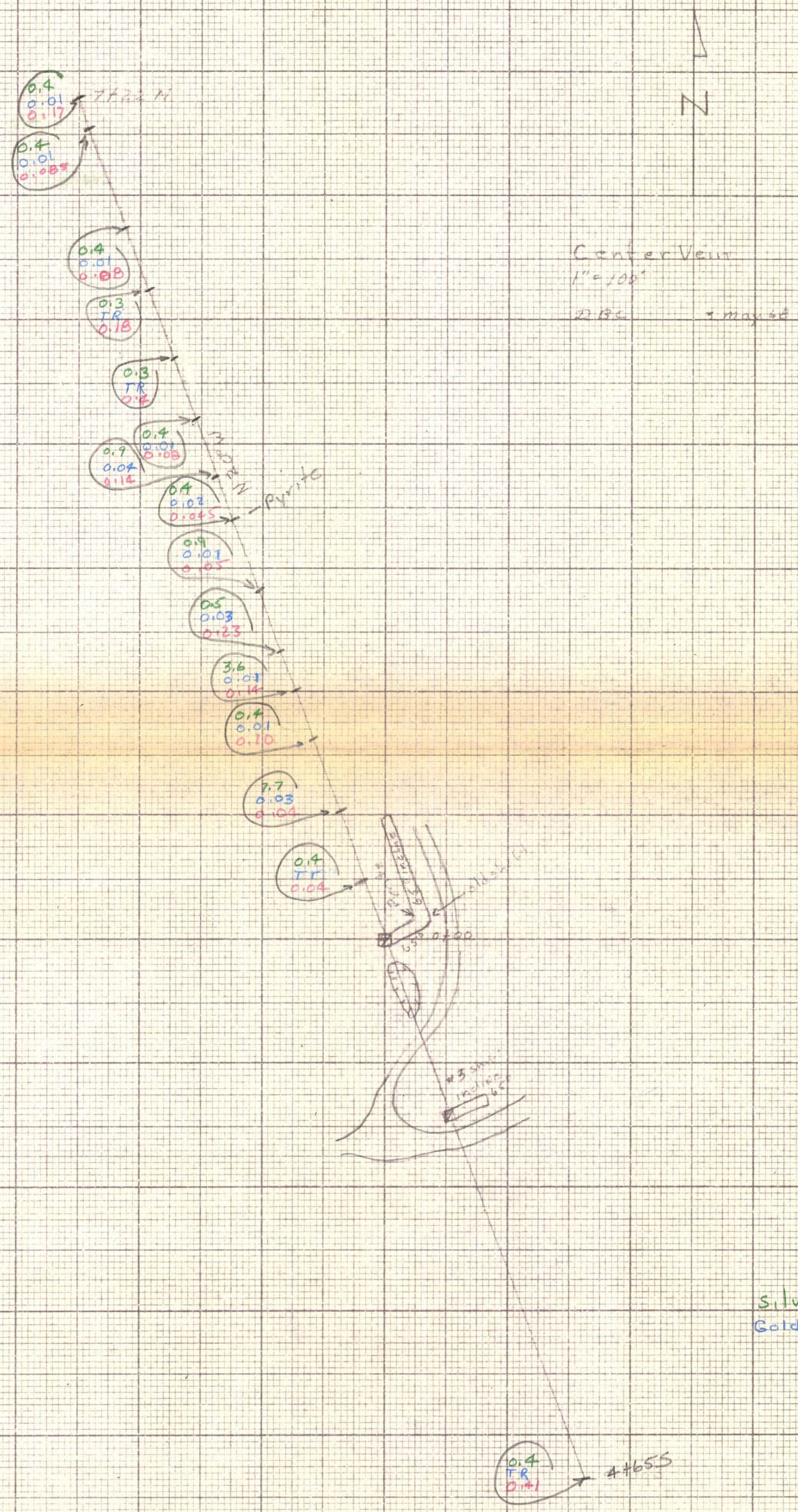

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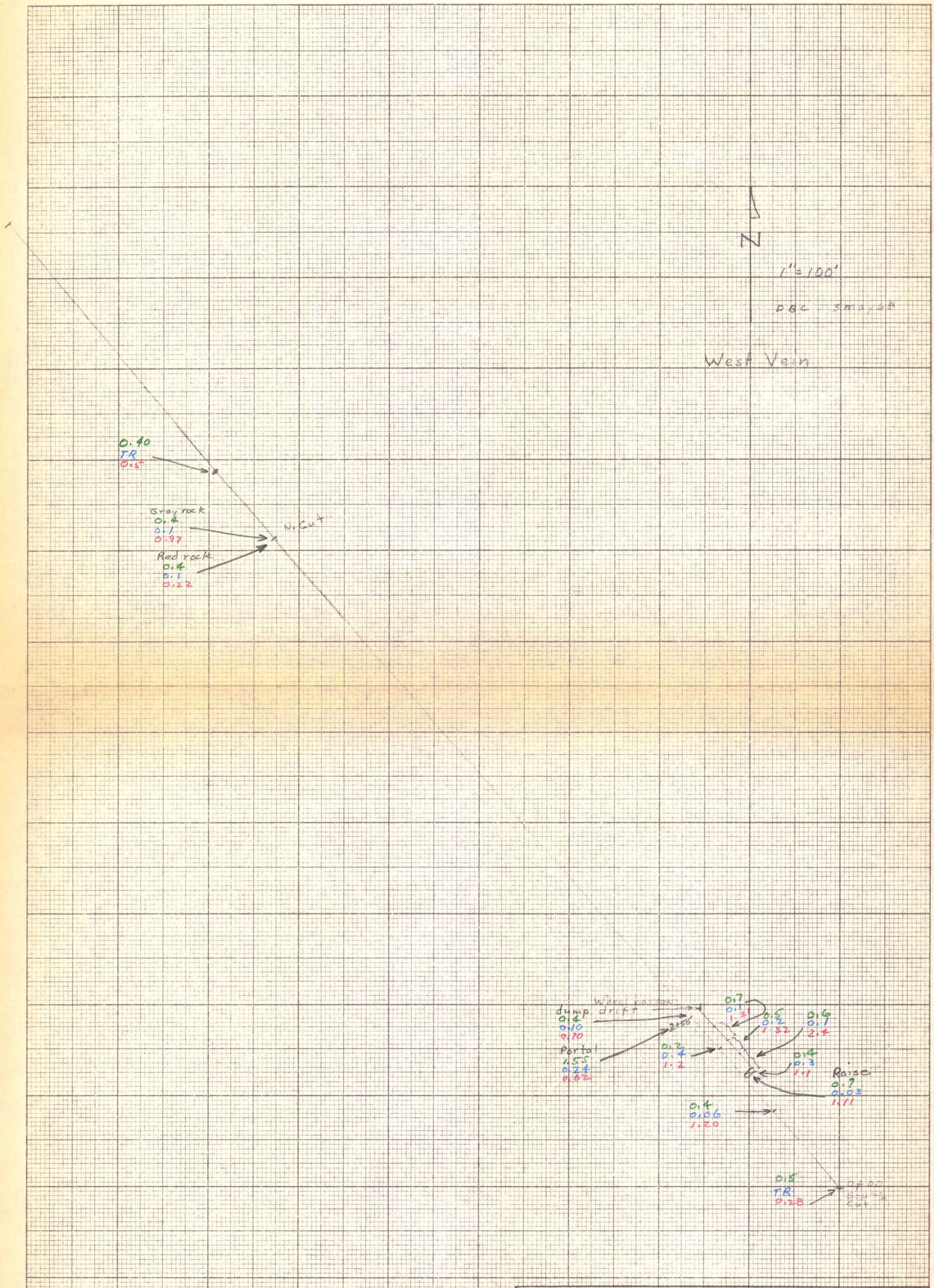

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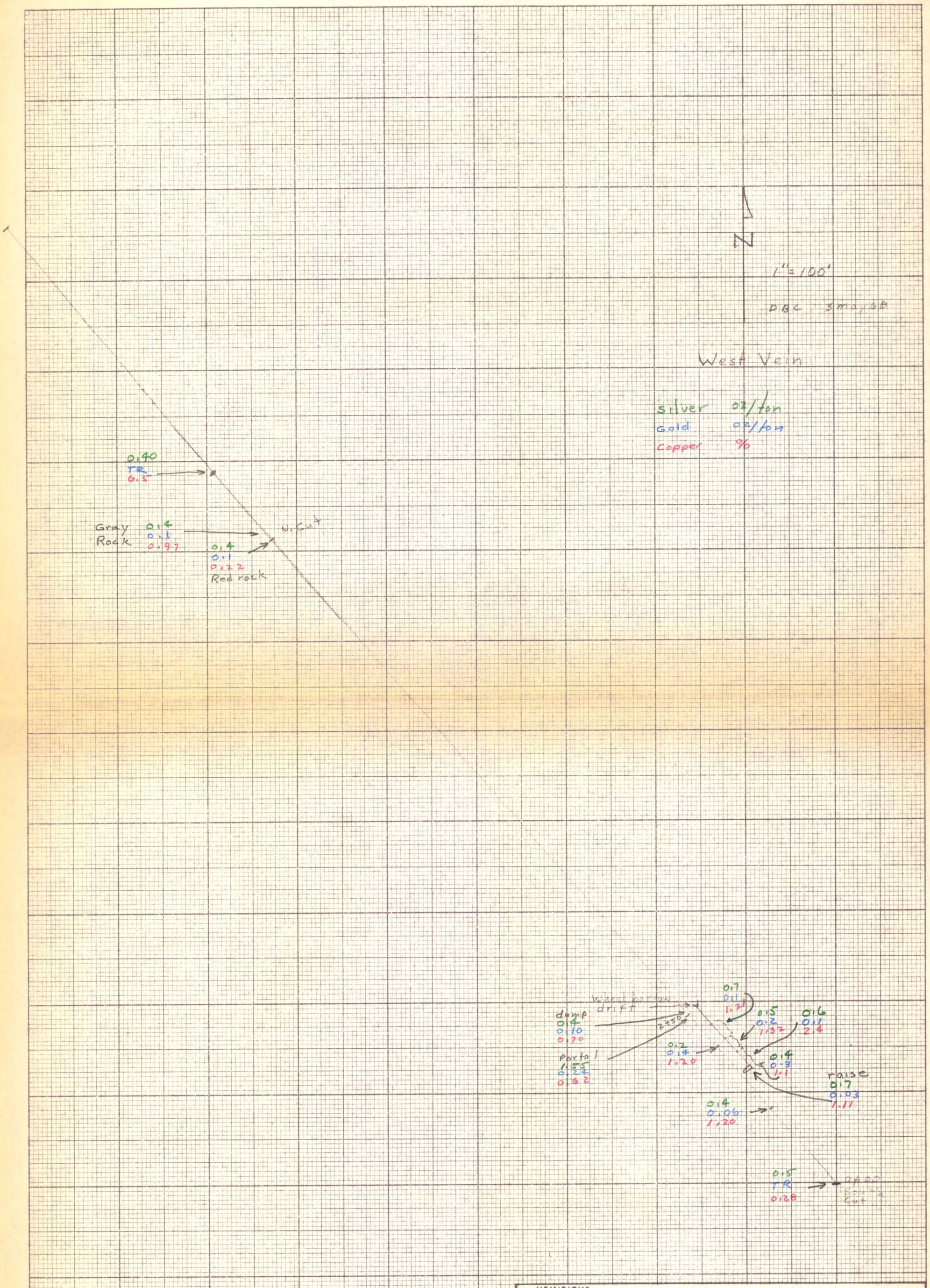

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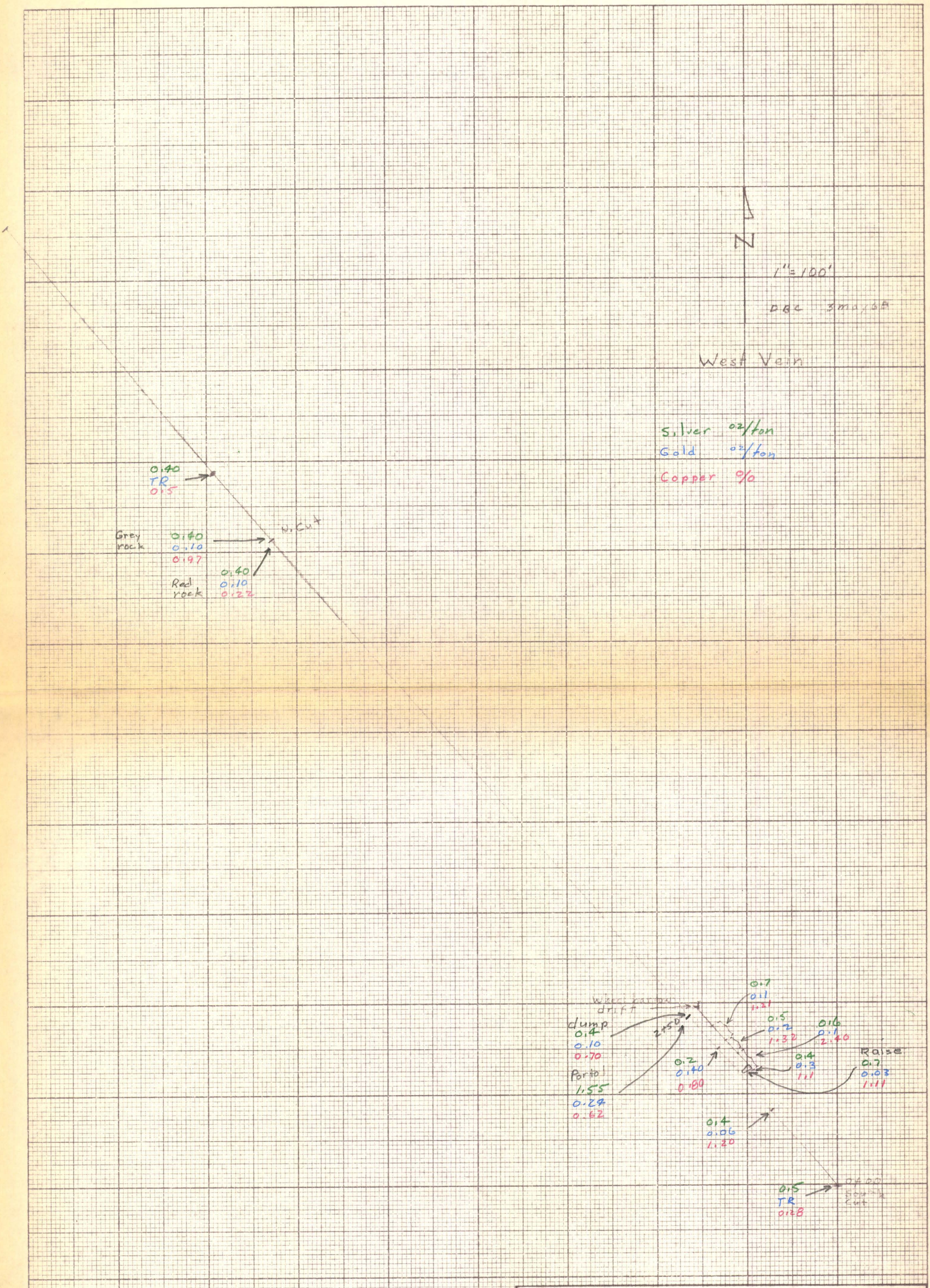

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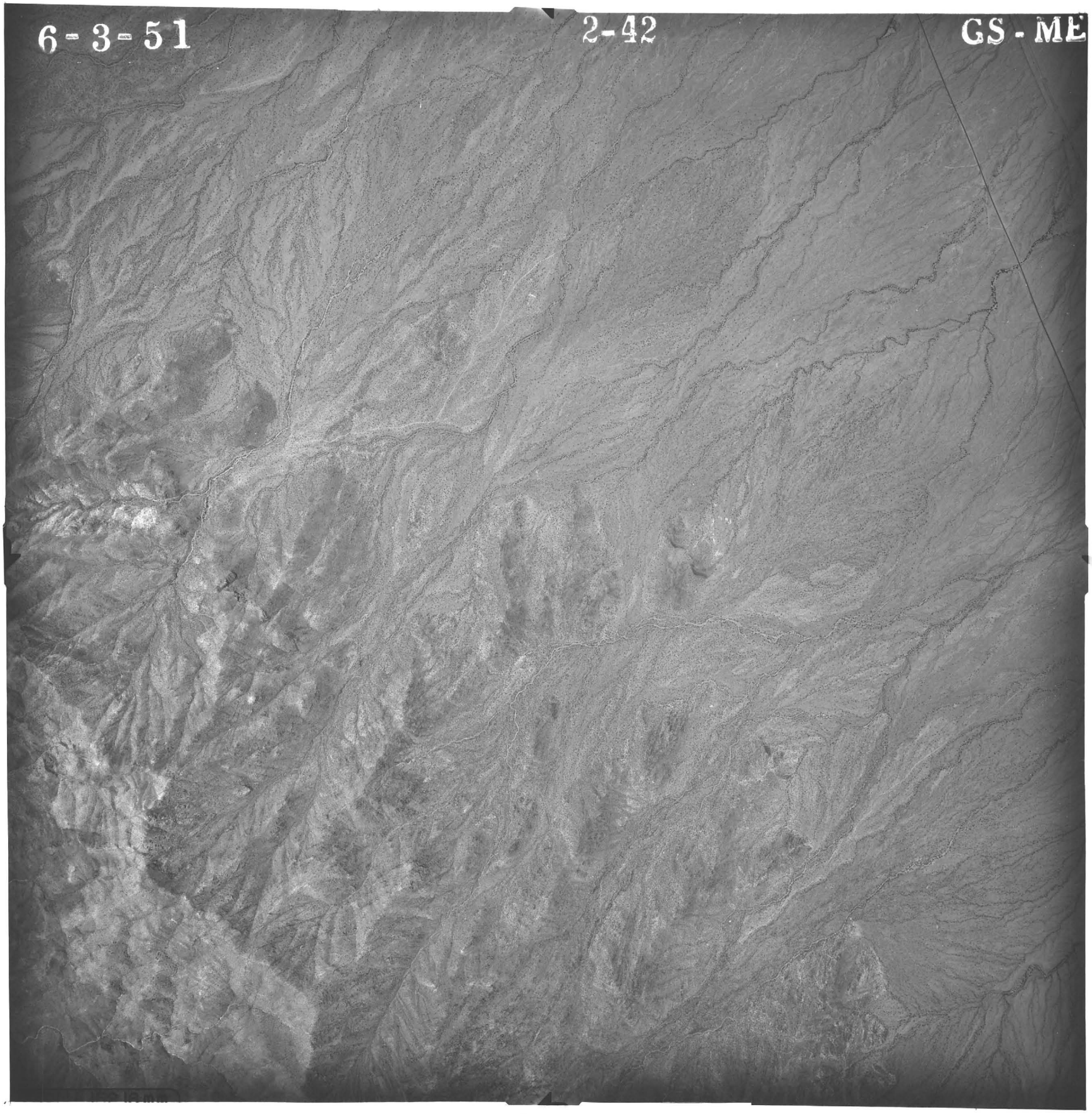
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GS-ME

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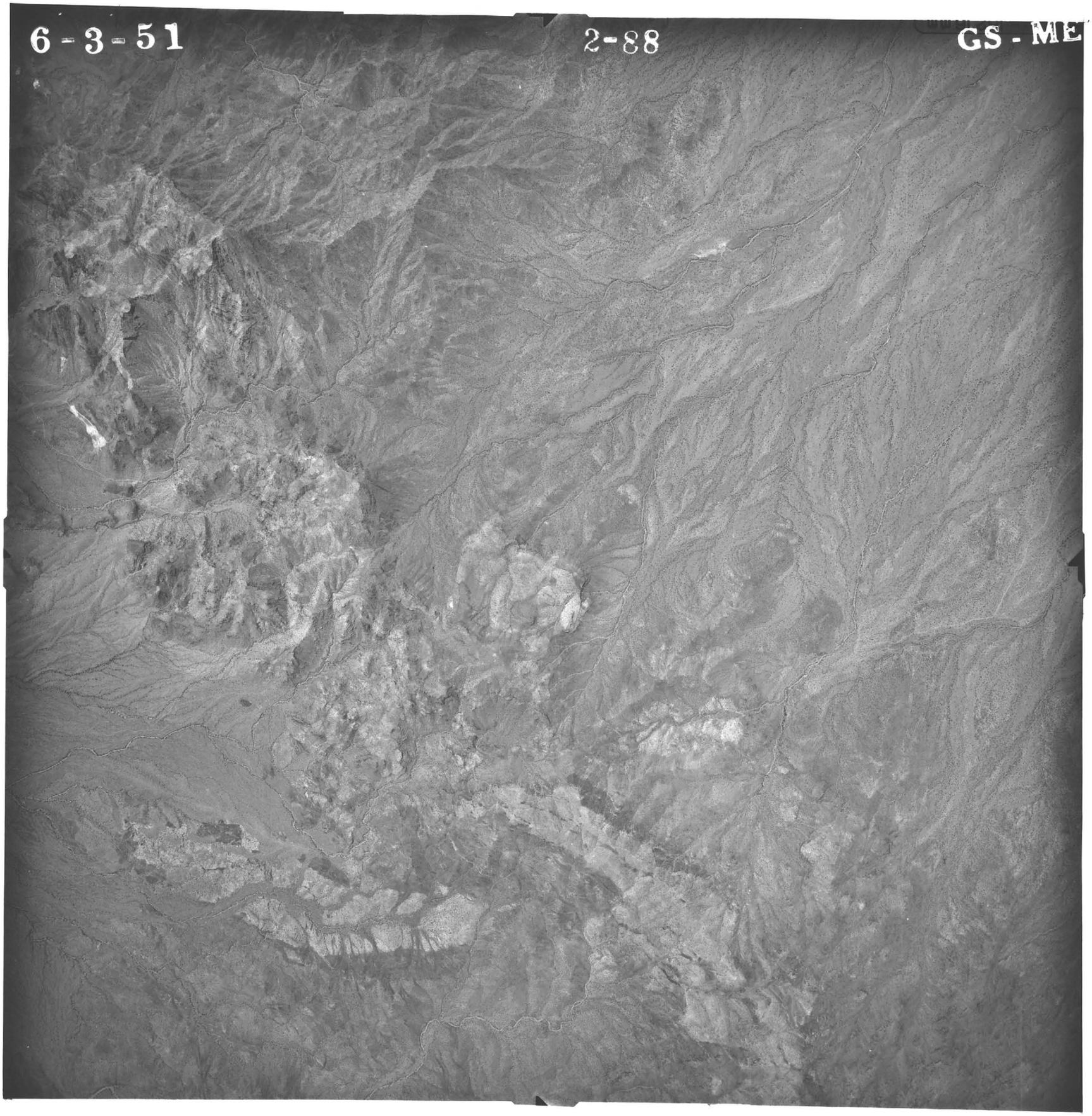
GS-ME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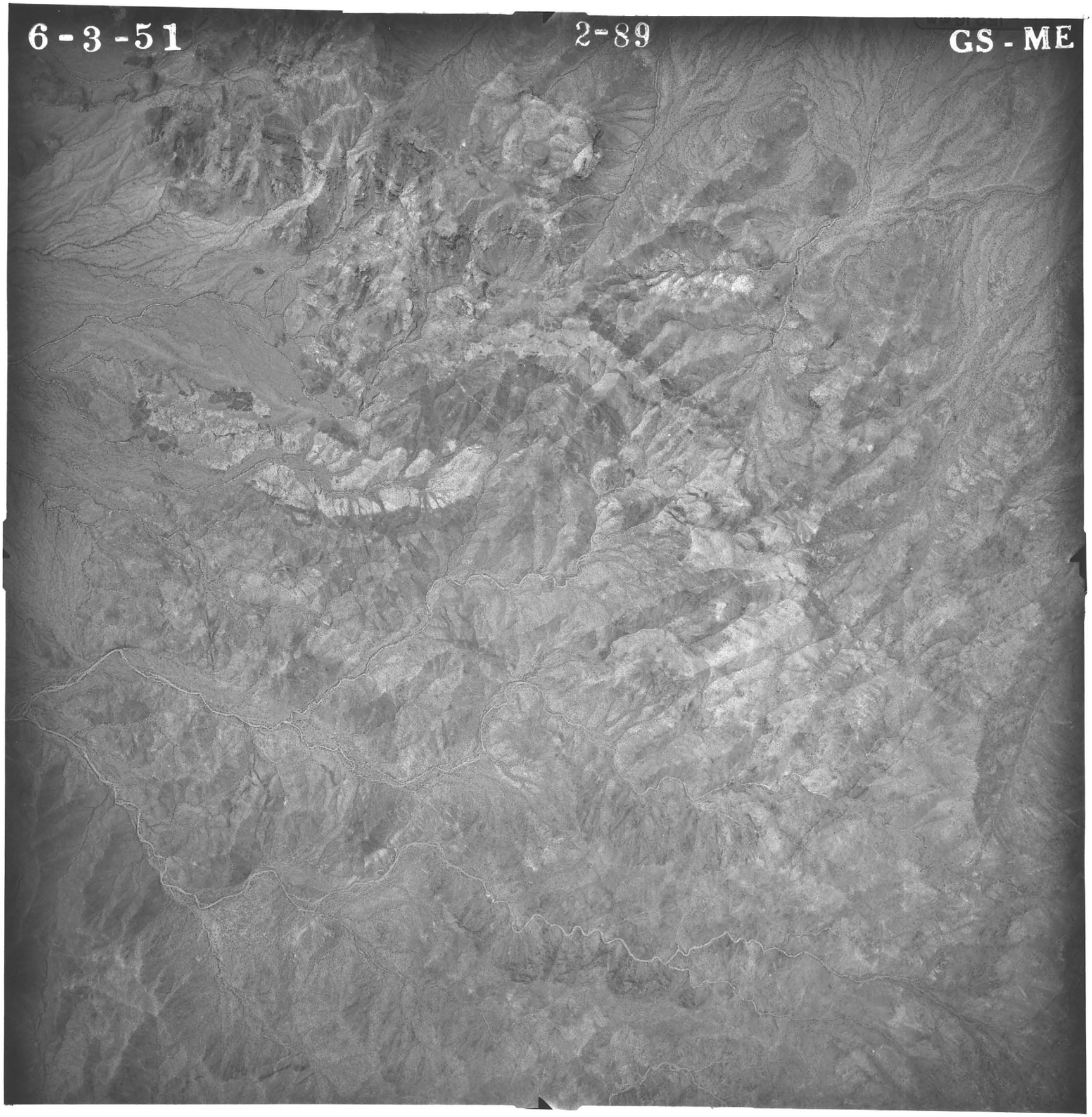
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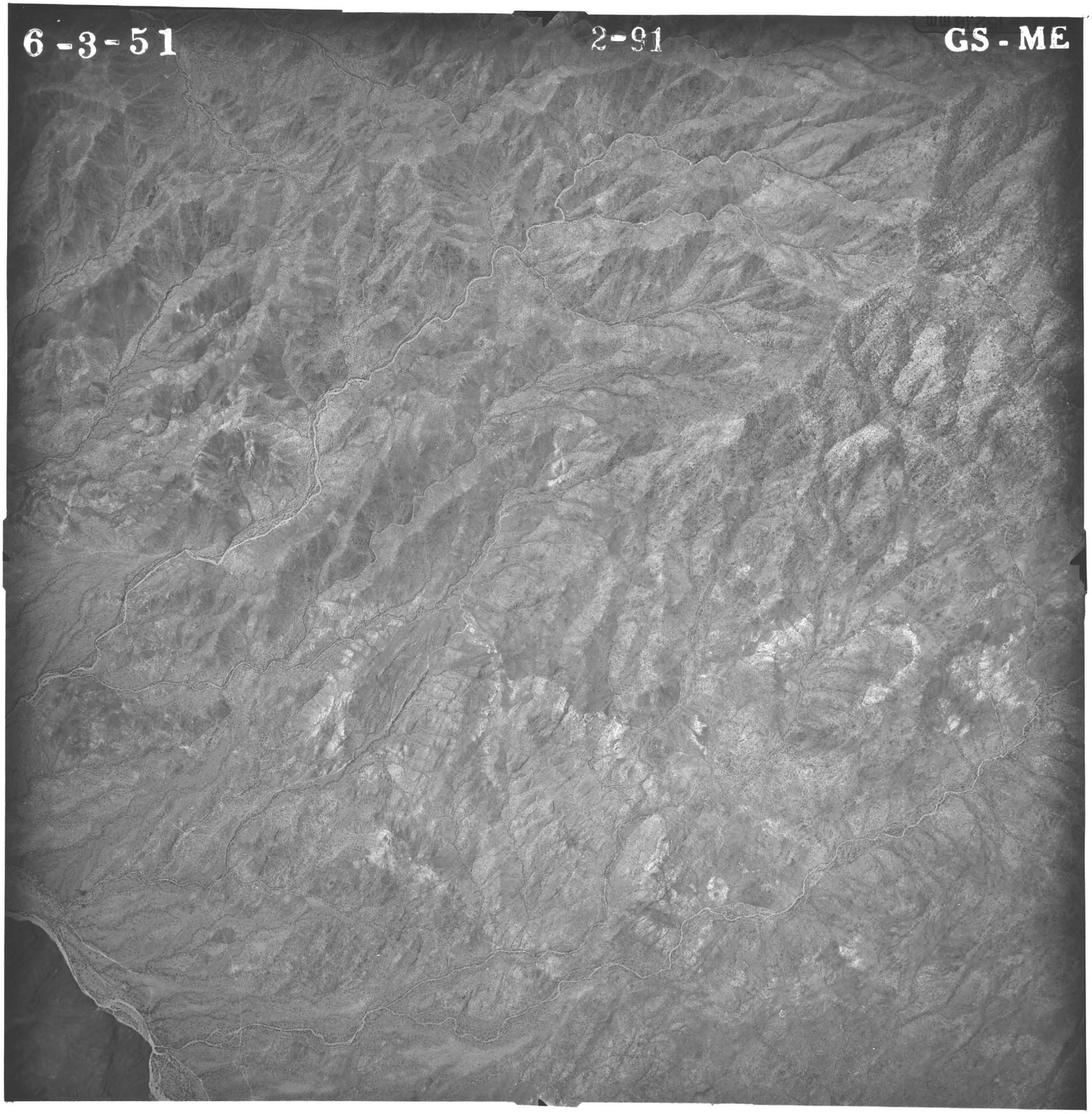
GS-ME

6-3-51
2-90
GS-ME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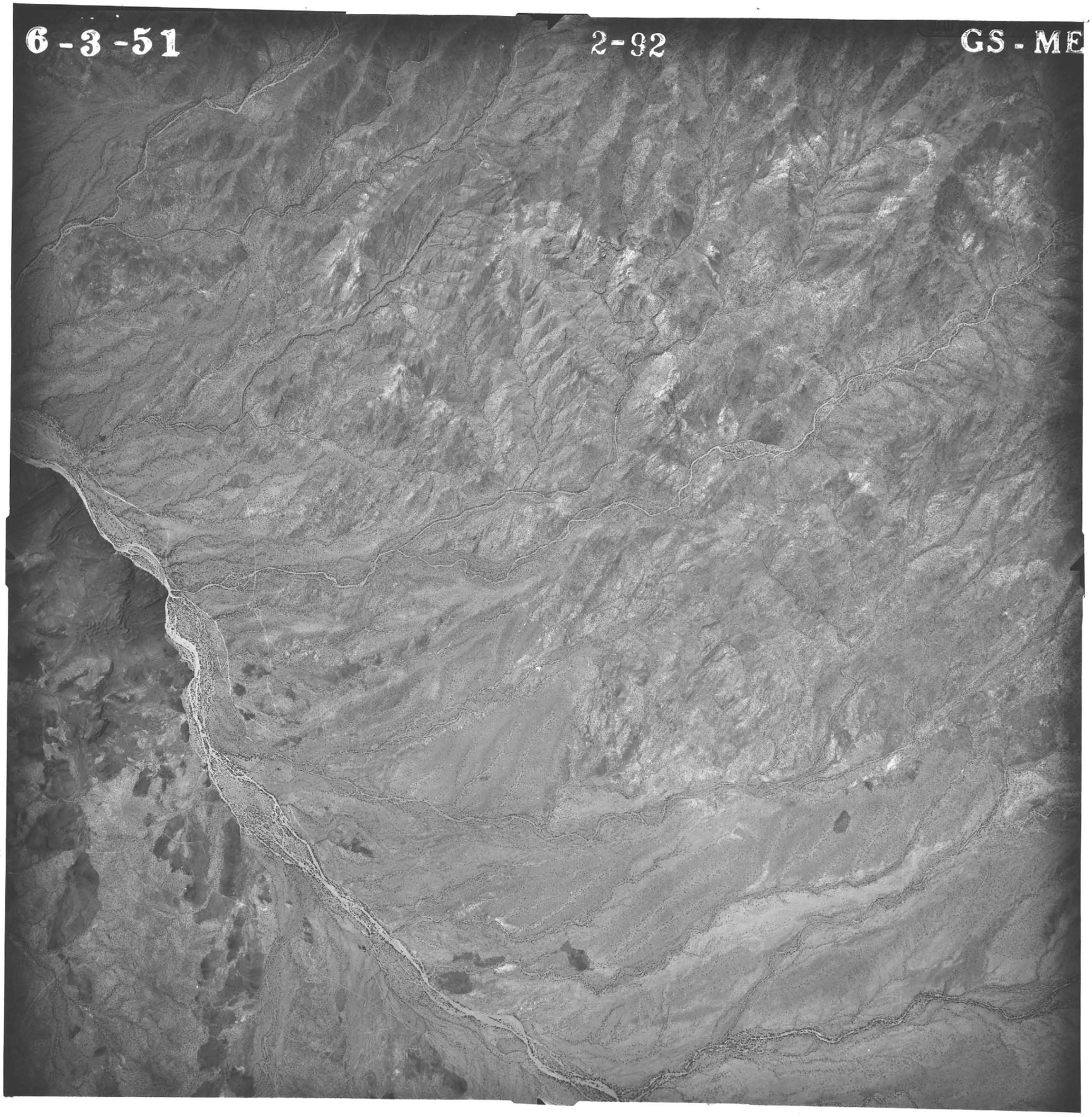
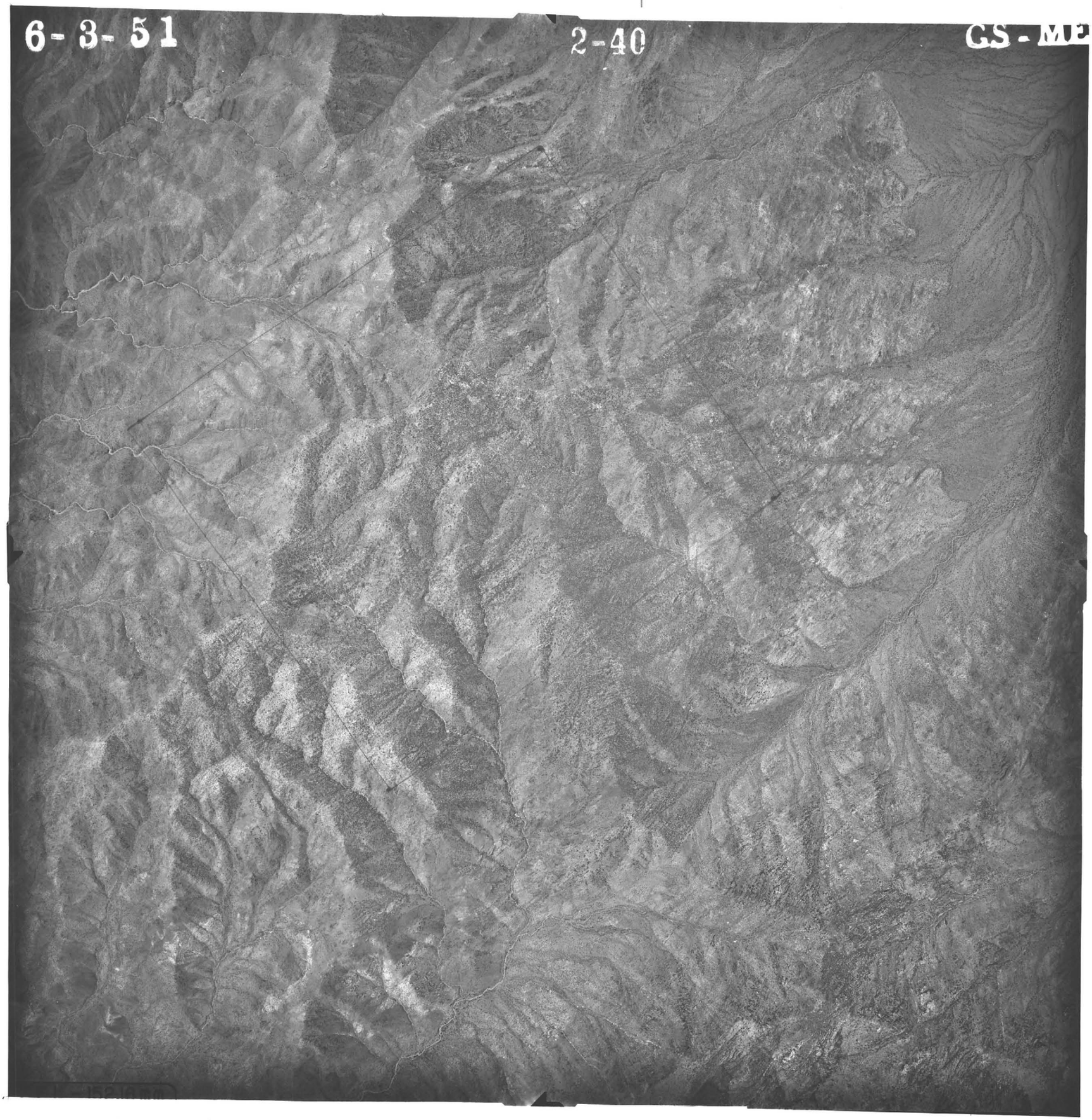

6-3-51
2-92
GS-ME

Photos

2-39, 2-40, 2-41

in field file

6-3-51
2-41
GS-ME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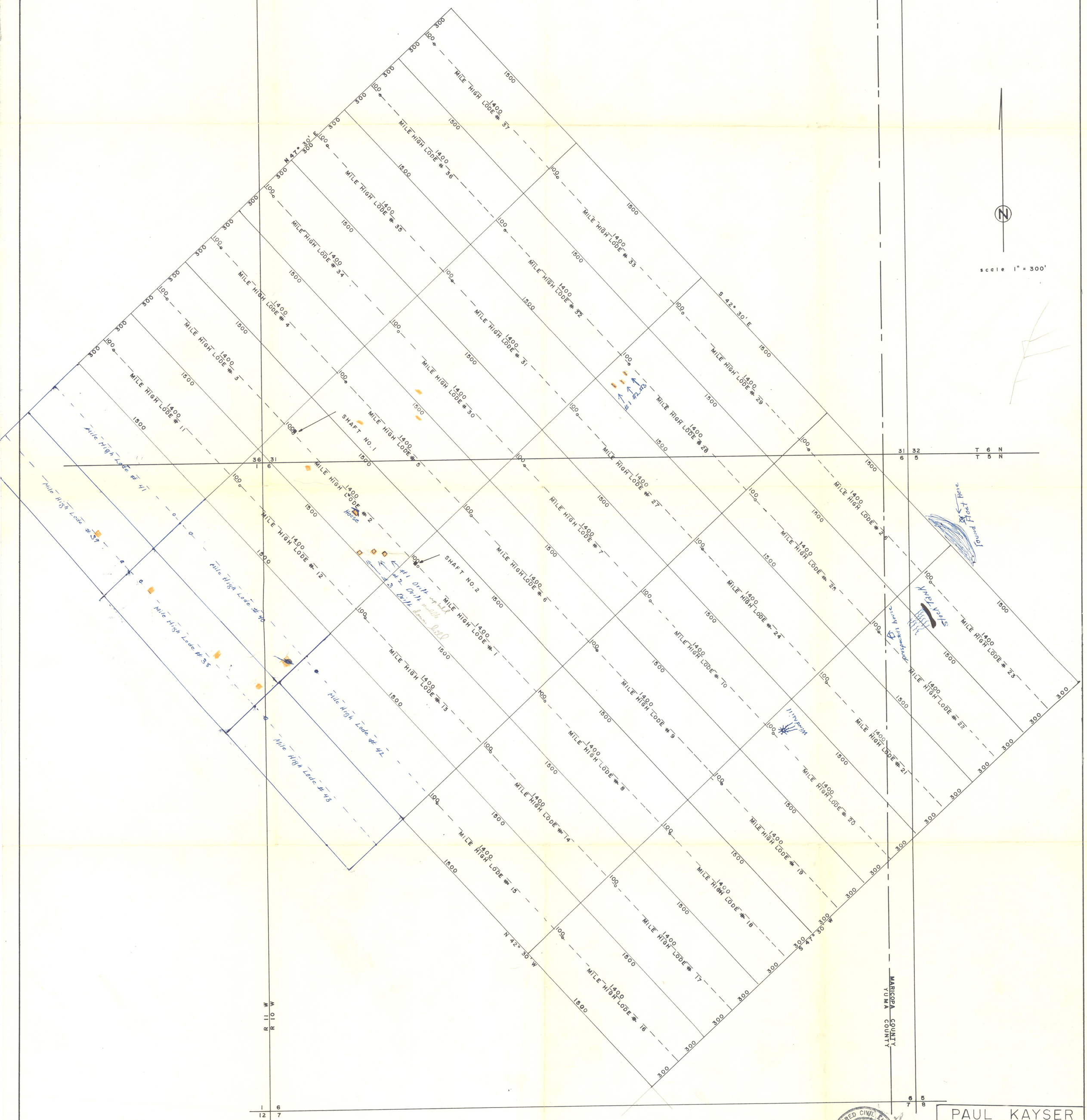
2-40
GS-ME

6-3-51
2-39
GS-ME

MILE HIGH LODE
PROPERTY MAP



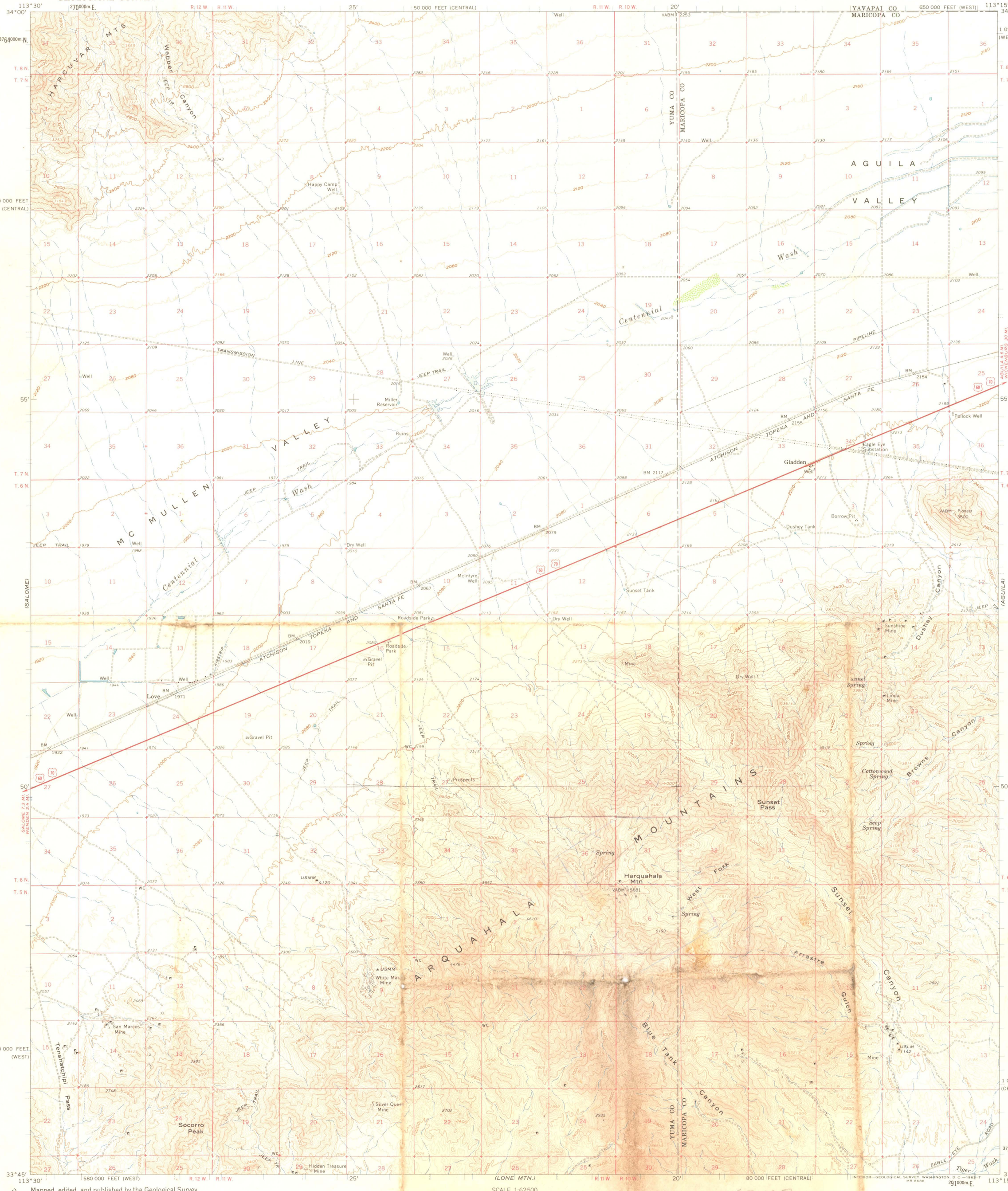
PAUL KAYSER
MINING PROPERTIES

NOV. 1, 1967 scale 1" = 300'

HAMMES ENG. CO. SEDONA, ARIZONA

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

GLADDEN QUADRANGLE
ARIZONA
15 MINUTE SERIES (TOPOGRAPHIC)



Mapped, edited, and published by the Geological Survey

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Topography by photogrammetric methods from aerial photographs taken 1951 and 1960. Field checked 1961

Polyconic projection. 1927 North American datum
10,000-foot grid based on Arizona coordinate system, west and central zones
1000-meter Universal Transverse Mercator grid ticks, zone 12, shown in blue

TRUE NORTH
MAGNETIC NORTH
14½°
APPROXIMATE MEAN DECLINATION, 1961

SCALE 1:62 500

1 ½ 0 1 2 3 4 MILES

3000 0 3000 6000 9000 12000 15000 18000 21000 FEET

1 .5 0 1 2 3 4 5 KILOMETERS

CONTOUR INTERVAL 40 FEET
DOTTED LINES REPRESENT 20-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

ARIZONA
QUADRANGLE LOCATION

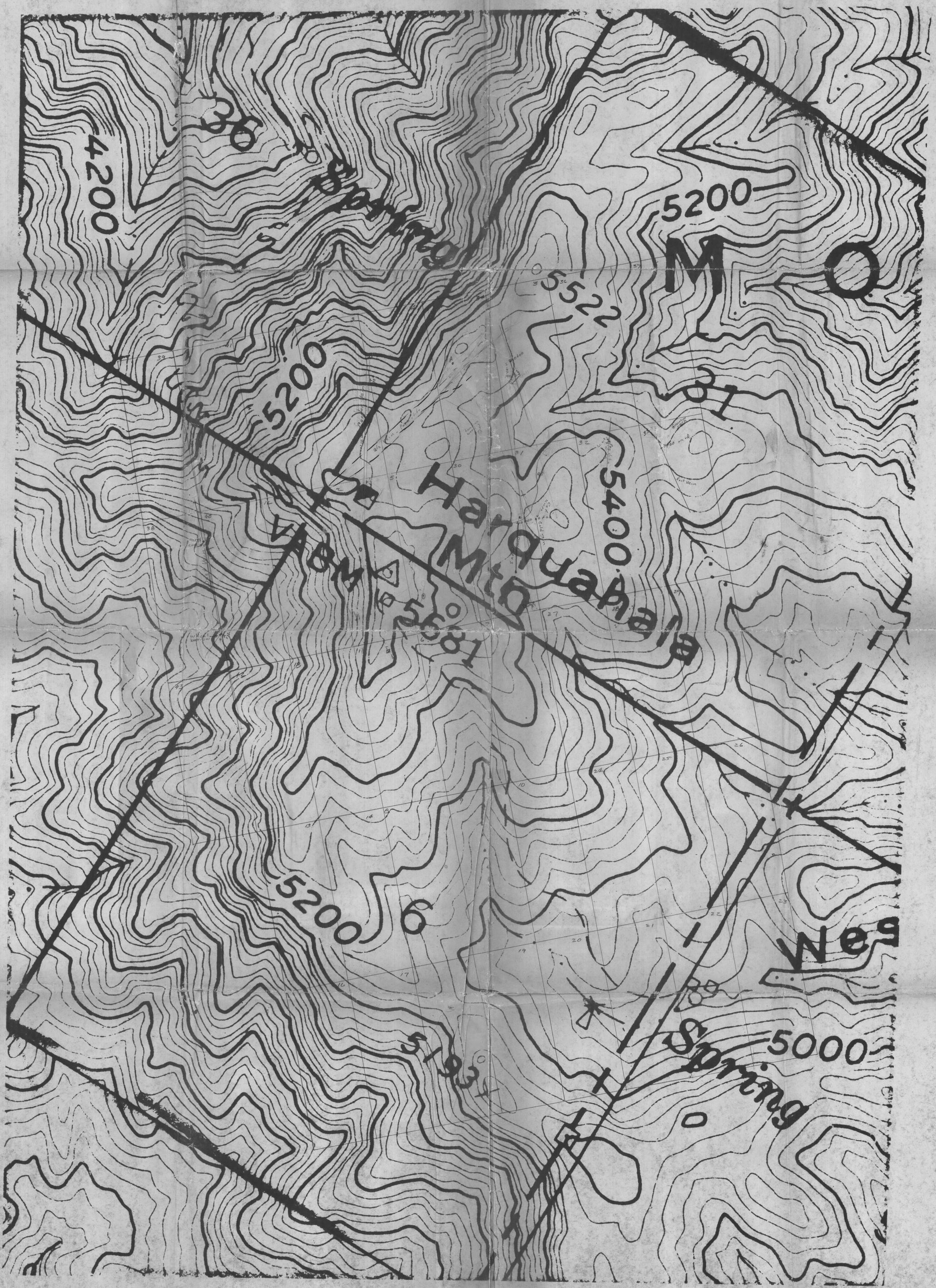
ROAD CLASSIFICATION
Heavy-duty — Light-duty
Unimproved dirt
U. S. Route

GLADDEN, ARIZ.
N3345—W11315/15
1961

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER 25, COLORADO OR WASHINGTON 25, D. C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1963—T
MR 8686

243-67
mile Hi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5522
5400
5200
5200
5193
5000
Haraquahala
Mtn
Spring
West
East Vein