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PLATE 2

COPPER QUEEN WORKINGS

1" = 20'

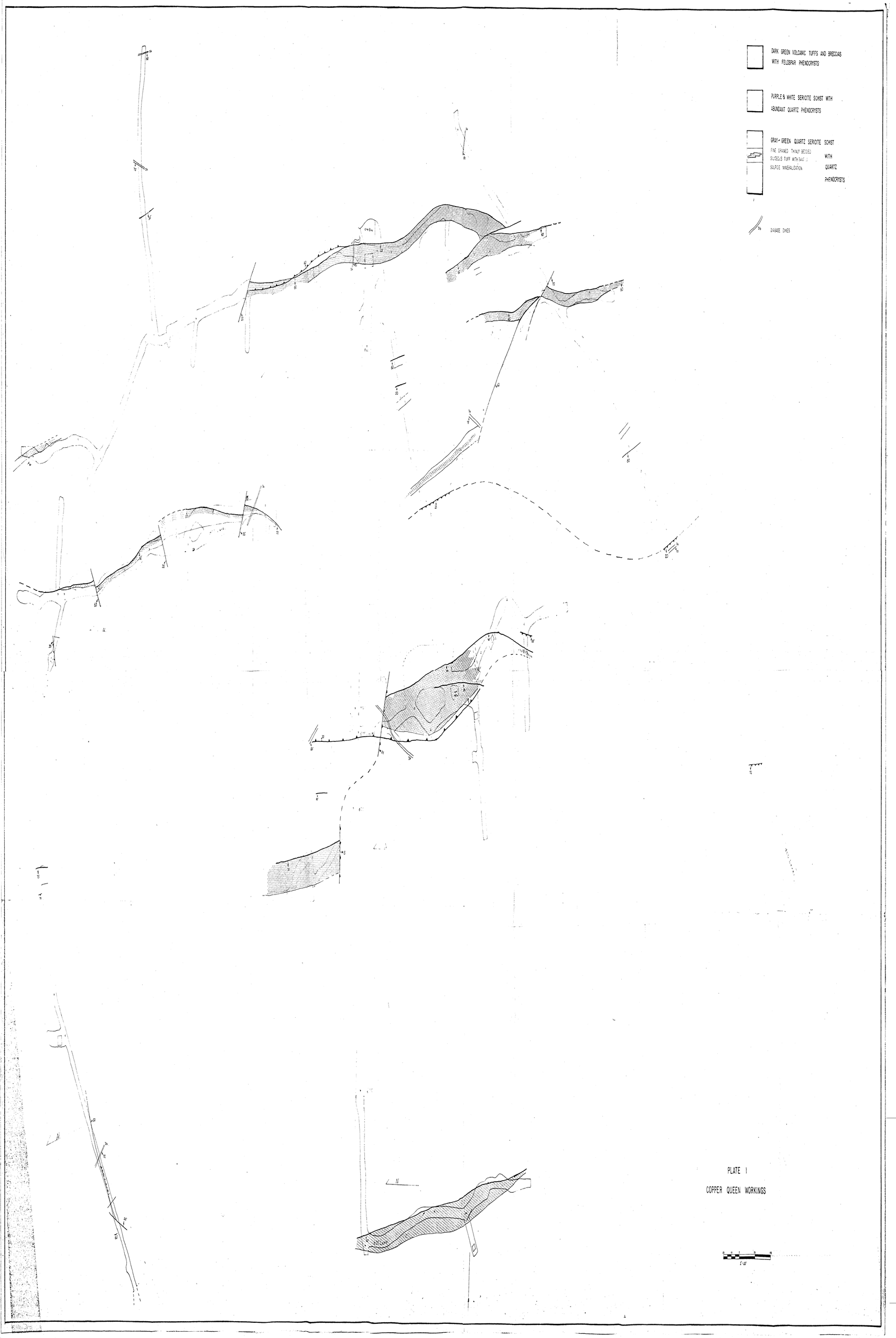
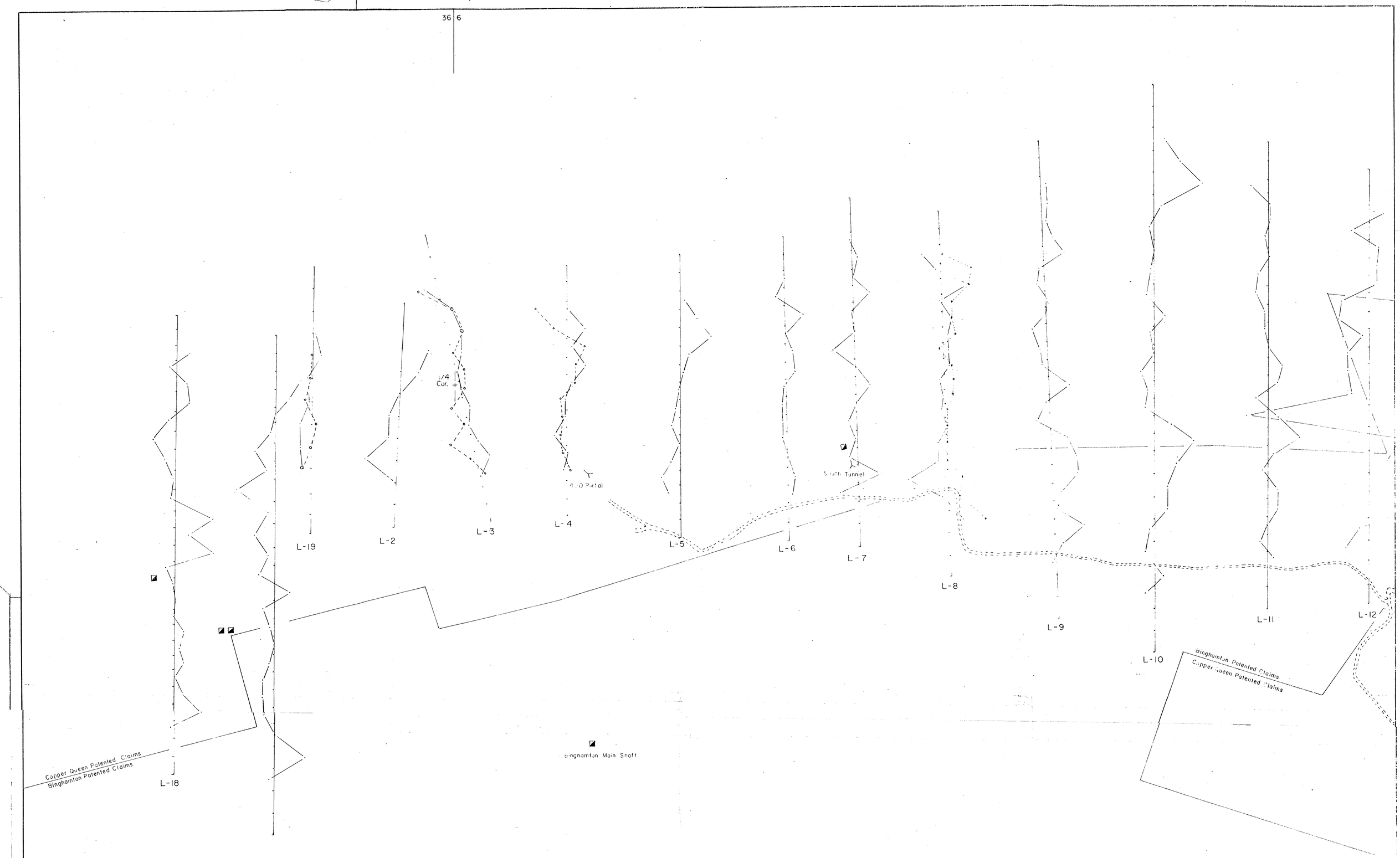


PLATE I

COPPER QUEEN WORKINGS

31
R 2 E
R 1 1/2 E
5
8
36
6
7
T 13 N
T 12 N
R 1 1/2 E
R 1 E
R 2 E
R 1 E
35
1
12
COMINCO AMERICAN INCORPORATED
COMPILED BY
DRAFTED BY GF
REVISED BY
DATE
REVISED BY
DATE
COPPER QUEEN AREA
AGUA FRIA MINING DISTRICT
YAVAPAI CO. ARIZONA
GEOCHEM MAP
SCALE 1" = 300'
DATE
PLATE



LEGEND

750 Hz	
1530 Hz	
5010 Hz	
1" = 200'	
600' Tx-Rx	Line No. 19
400' Tx-Rx	Line No. 2

R 11/2 E 36
R 1 E 35

6 R 2 E
1 R 1 E

1/4 Cor.

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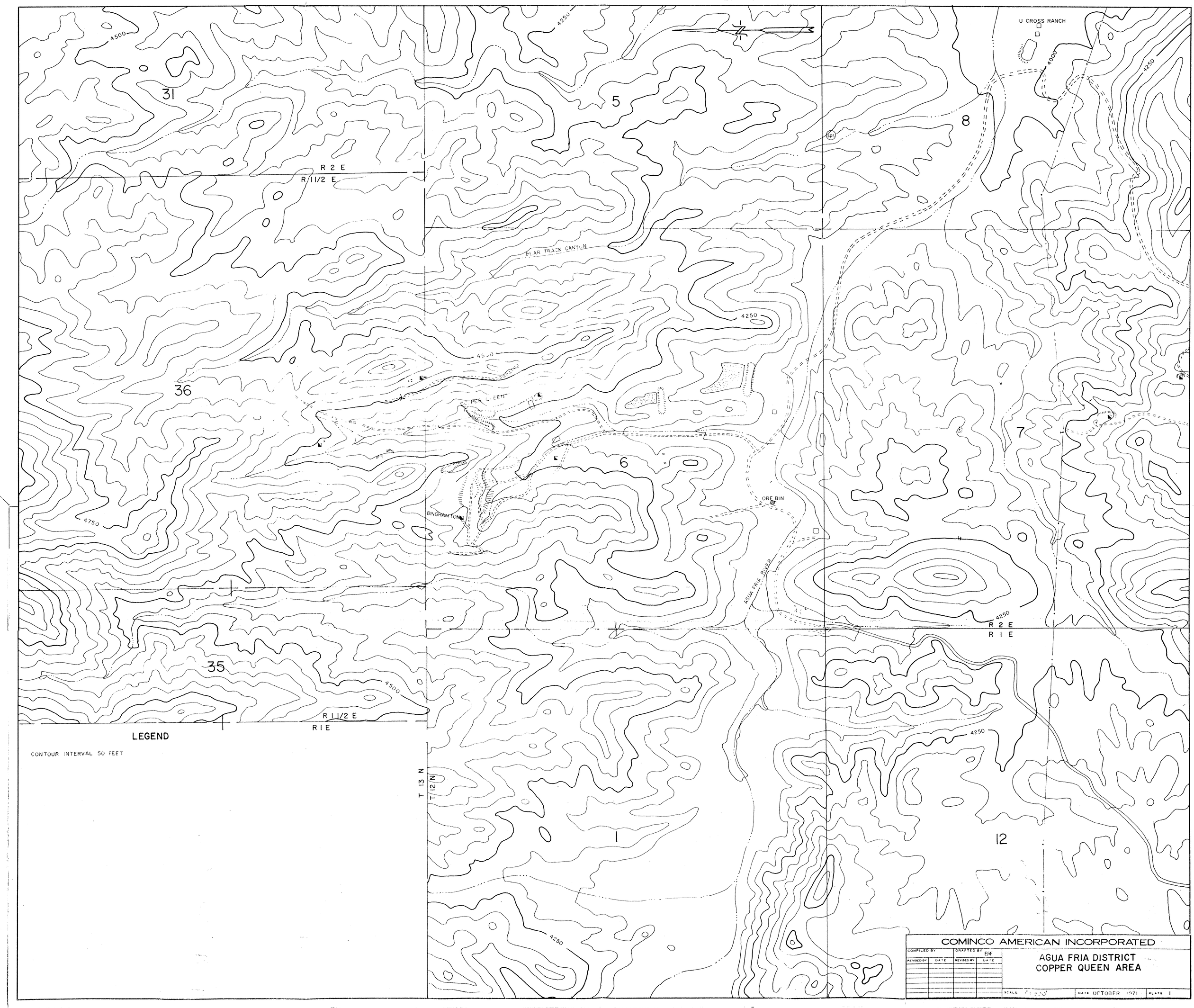
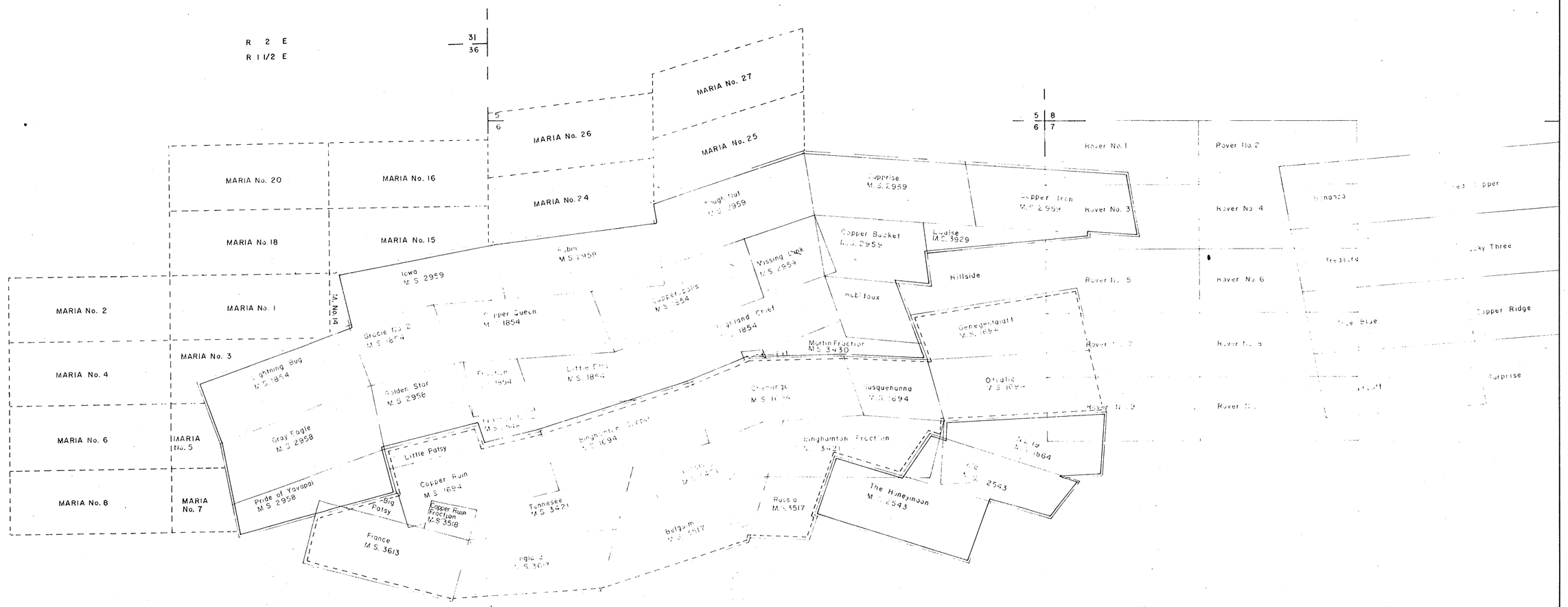
COMPILED BY		DRAFTED BY	
GRF		GRF	
REVISED BY	DATE	REVISED BY	DATE

COPPER QUEEN E.M.
HORIZONTAL SHOOTBACK
500' Tx - Rx

SCALE 1" = 200' | DATE April 1977 | PLATE 2



U CROSS RANCH
4000
4250
4500
31
5
8
R 2 E
R 11/2 E
BLAR TRACK CANYON
4250
4500
36
COPPER QUEEN
6
7
ORE BIN
BINGHAMTON
4750
AGUA FRIA RIVER
4250
R 2 E
R 1 E
35
4500
R 1 1/2 E
R 1 E
LEGEND
CONTOUR INTERVAL 50 FEET
T 13 N
T 12 N
4250
1
12
4250
COMINCO AMERICAN INCORPORATED
COMPILED BY
DRAFTED BY
REVISED BY
DATE
REVISED BY
DATE
AGUA FRIA DISTRICT
COPPER QUEEN AREA
SCALE
DATE OCTOBER 1971
PLATE 1

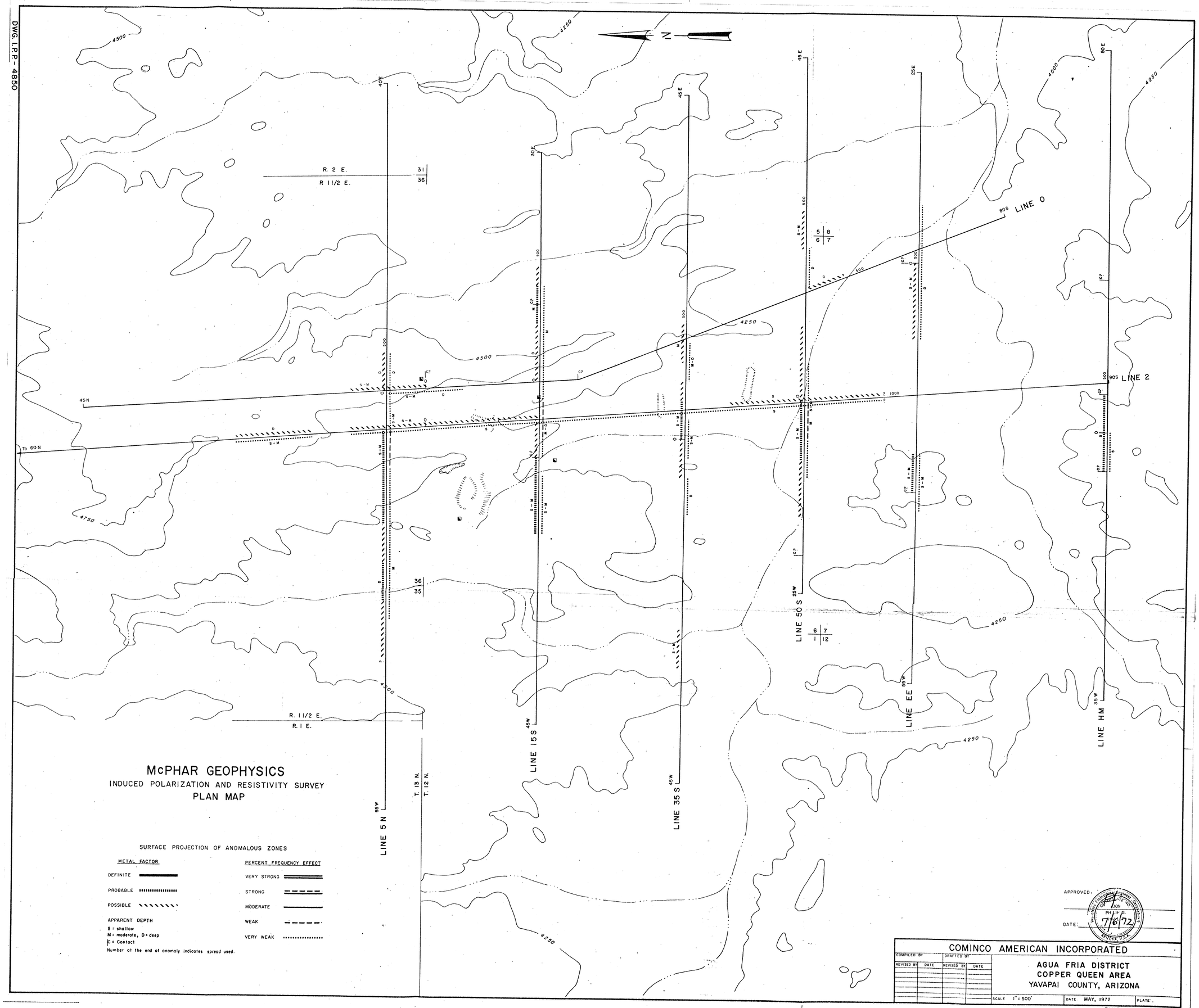


LEGEND

- Boundry of Patented Copper Queen Claims
- Boundry of Patented Binghamton Claims
- Unpatented Copper Queen Claims
- Claims Staked by C. A. L., July 1972
  Restaked Nov. 4, 1972

COMINCO AMERICAN INCORPORATED				
COMPILED BY		DRAFTED BY		CLAIM MAP of COPPER QUEEN and BINGHAMTON MINE AREA
REVISED BY	DATE	REVISED BY	DATE	
				SCALE 1" = 500' DATE June 1972 PLATE 1

5 8
5 8
6 7
Copper Queen Unpatented Claims
Agua Fria River
Copper Queen Patented Claims
L-1A
L-13
L-14
L-15
L-16
L-24
L-25
L-26
L-27
L-28
L-29
Binghamton Patented Claims
Copper Queen Patented Claims
Copper Queen Unpatented Claims
6 7
L-1
Agua Fria River
Power Line
LEGEND
300' Tx-Rx Lines No 24, 25, 26, 27, 28, 29 —Vertical Shootback Method
500' Tx-Rx Lines No. 1, 13, 14, 15, 16
200' Tx-Rx Line No. 1A
Horizontal Shootback Method
OVERLAP PLATE 1&2
COMINCO AMERICAN INCORPORATED
COMPILED BY GRF
DRAFTED BY GRF
REVISED BY
DATE
REVISED BY
DATE
COPPER QUEEN E.M.
SOUTH AREA
SCALE 1"=200'
DATE April 1973
PLATE 3



McPHAR GEOPHYSICS

INDUCED POLARIZATION AND RESISTIVITY SURVEY

PLAN MAP

SURFACE PROJECTION OF ANOMALOUS ZONES

METAL FACTOR		PERCENT FREQUENCY EFFECT	
DEFINITE	———	VERY STRONG	═══
PROBABLE	▪▪▪▪▪▪▪▪	STRONG	– – – –
POSSIBLE	\\\\\\\\	MODERATE	———
		WEAK	– – – –
		VERY WEAK	▪▪▪▪▪▪▪▪

APPARENT DEPTH
S = shallow
M = moderate, D = deep
C = Contact
Number at the end of anomaly indicates spread used.

APPROVED:

DATE:

Registered Professional Engineer (Geophysics) CERTIFICATE NO. 309 PHILIP G. 7/6/72 ARIZONA, U.S.A.

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COMPILED BY		DRAFTED BY	
REVISED BY	DATE	REVISED BY	DATE

AGUA FRIA DISTRICT
COPPER QUEEN AREA
YAVAPAI COUNTY, ARIZONA

SCALE 1" = 500' | DATE MAY, 1972 | PLATE:

DWG. I.P.P.- 4850

LEGEND

CONTOUR INTERVAL 50 FEET

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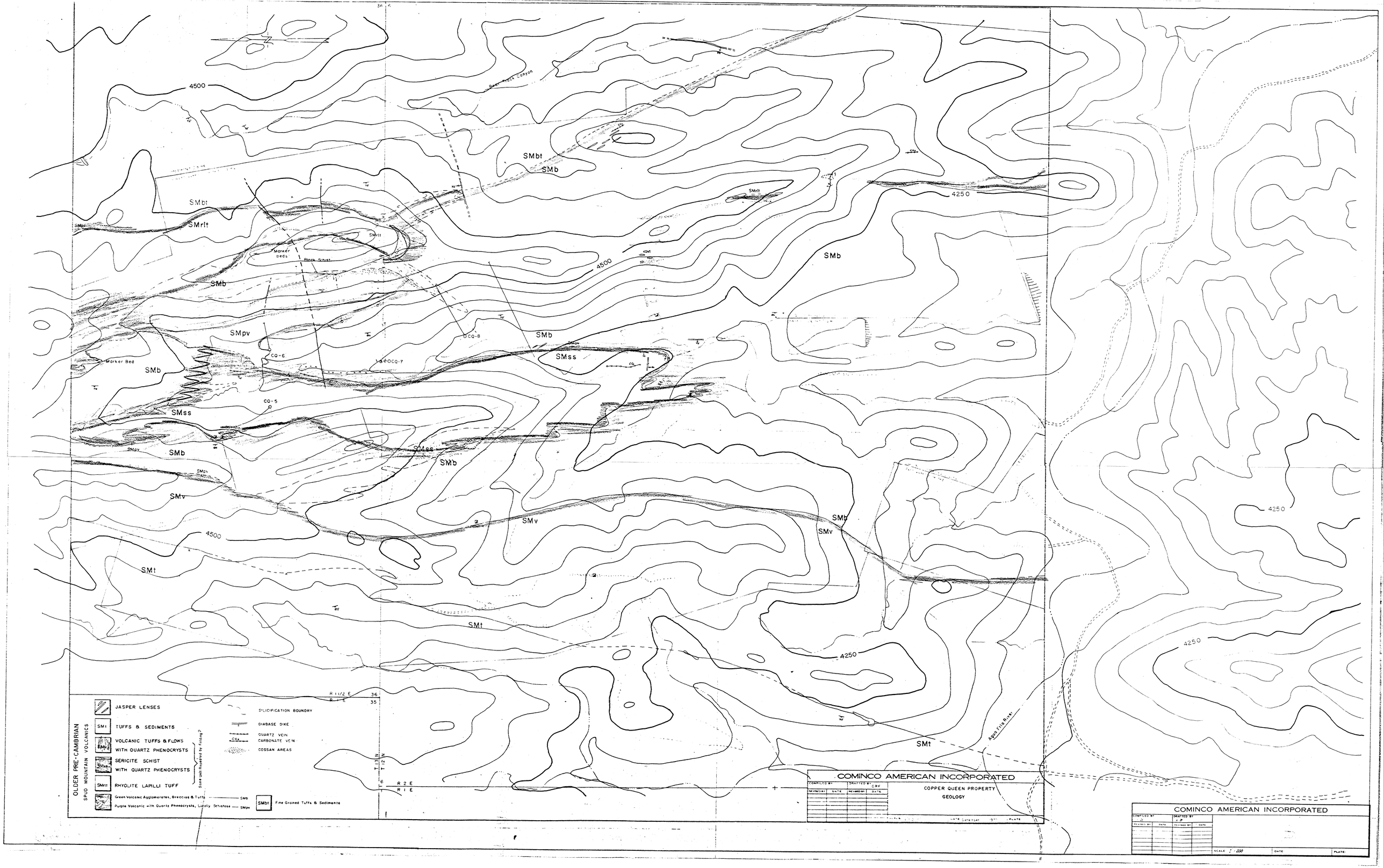
COMPILED BY		DRAFTED BY ERF	
REVISED BY	DATE	REVISED BY	DATE

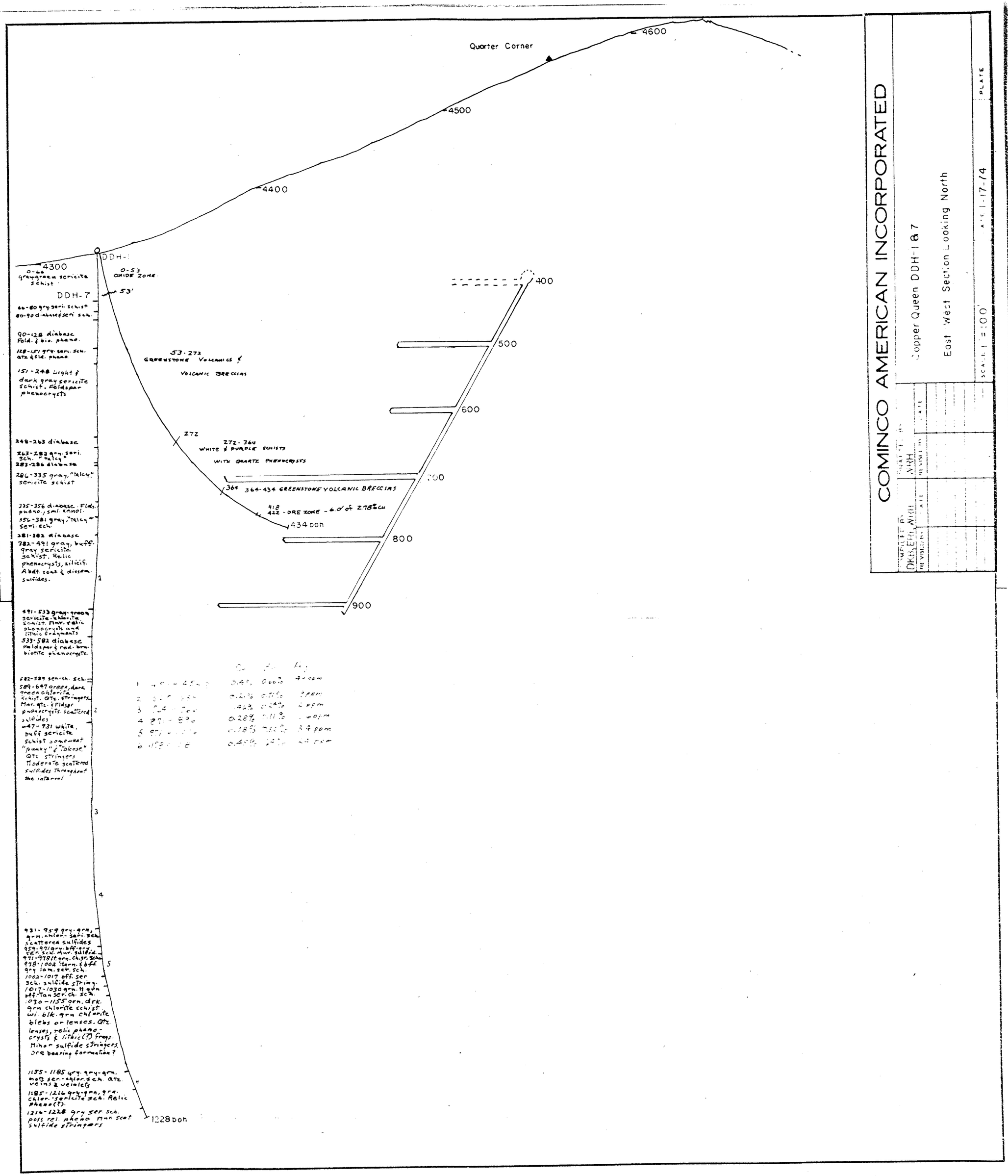
AGUA FRIA DISTRICT
STODDARD AREA

SCALE 1" = 500' | DATE OCTOBER 1971 | PLATE 2



4500
4250
SMbt
SMb
SMrlt
SMpv
SMss
SMv
SMt
Marker beds
Black Schist
Marker Bed
CQ-5
CQ-6
CQ-7
CQ-8
Agua Fria River
R 1 1/2 E
R 1 E
36
35
T 13 N
T 12 N
R 2 E
R 1 E
OLDER PRE-CAMBRIAN
SPUD MOUNTAIN VOLCANICS
JASPER LENSES
TUFFS & SEDIMENTS
VOLCANIC TUFFS & FLOWS
WITH QUARTZ PHENOCRYSTS
SERICITE SCHIST
WITH QUARTZ PHENOCRYSTS
RHYOLITE LAPILLI TUFF
Same Unit Repeated by Folding?
Green Volcanic Agglomerates, Breccias & Tuffs — SMb
Purple Volcanic with Quartz Phenocrysts, Locally Schistose — SMpv
SILICIFICATION BOUNDRY
DIABASE DIKE
QUARTZ VEIN
CARBONATE VEIN
COSSAN AREAS
SMbt Fine Grained Tuffs & Sediments
COMINCO AMERICAN INCORPORATED
COPPER QUEEN PROPERTY
GEOLOGY
COMINCO AMERICAN INCORPORATED
SCALE 1:200
DATE
PLATE

36
6
Copper Queen Patented Claims
Bear Track Canyon
Unpatented Claims
Copper Queen Patented Claims
CQ-3
CQ-6
CQ-7
Copper Queen Mine
Shaft Tunnel
Copper Queen Patented Claims
Binghamton Patented Claims
CQ-5
Binghamton Patented Claims
Copper Queen Patented Claims
Binghamton Patented Claims
Binghamton Main Shaft
R 1 1/2 E
R 1 E
36
35
T 13 N
T 12 N
6
1
R 2 E
R 1 E
Agua Fria River
COMINCO AMERICAN INCORPORATED
COMPILED BY
DRAFTED BY
GRF
REVISED BY
DATE
REVISED BY
DATE
COPPER QUEEN PROPERTY
SCALE
DATE
PLATE



	Cu	Zn	Ag
1	0.43%	0.00%	47 ppm
2	[illegible]	0.11%	3 ppm
3	[illegible]	0.24%	2 ppm
4	[illegible]	0.11%	1 ppm
5	[illegible]	0.55%	37 ppm
6	[illegible]	[illegible]	[illegible] ppm

COMINCO AMERICAN INCORPORATED

Copper Queen DDH-1 & 7

East West Section Looking North

SCALE 1" = 100'

DATE 1-17-74

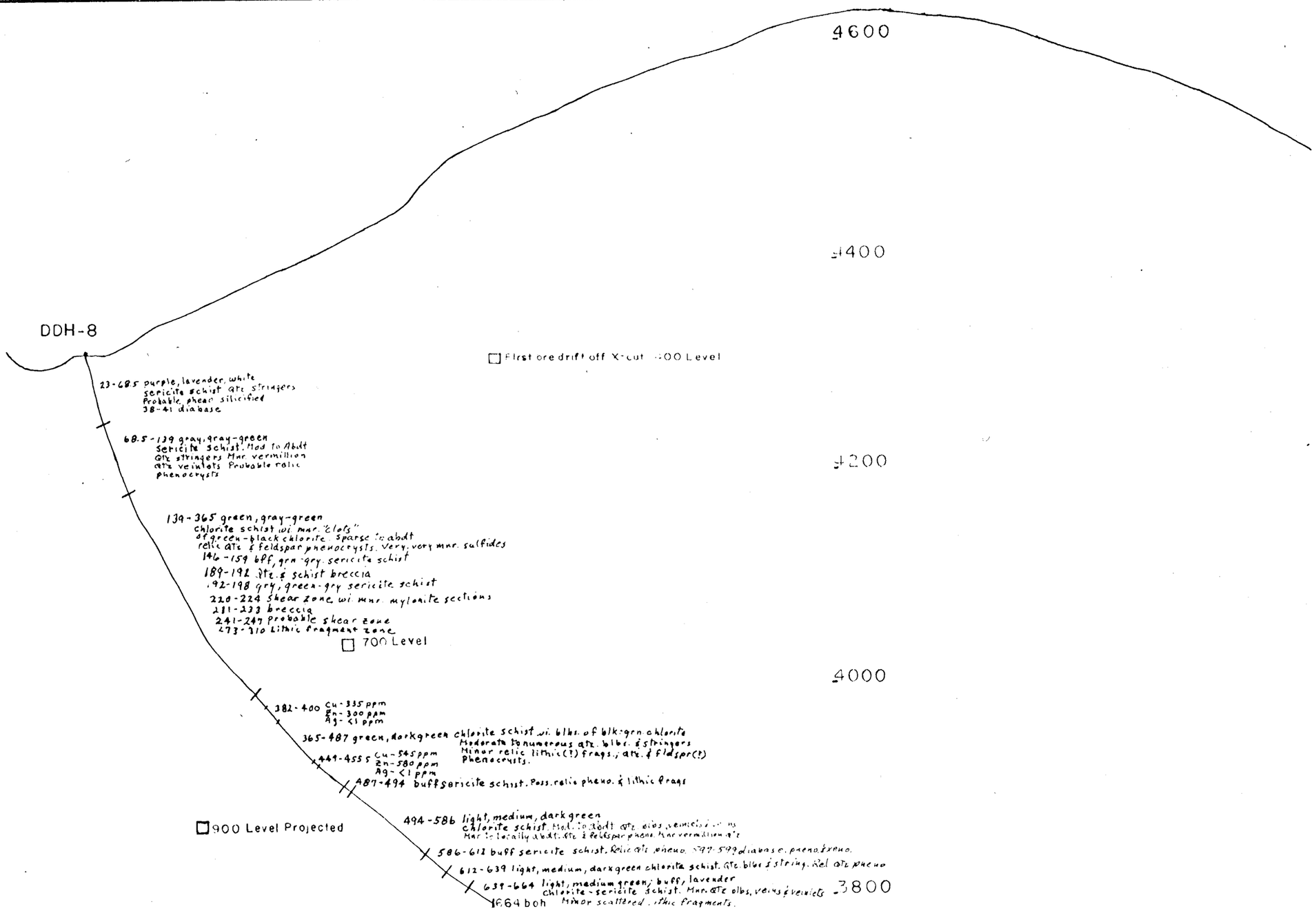
PLATE

DRAWN BY: NRH

COMPILED BY: DKB, EPJ, NRH

REVISED BY

DATE



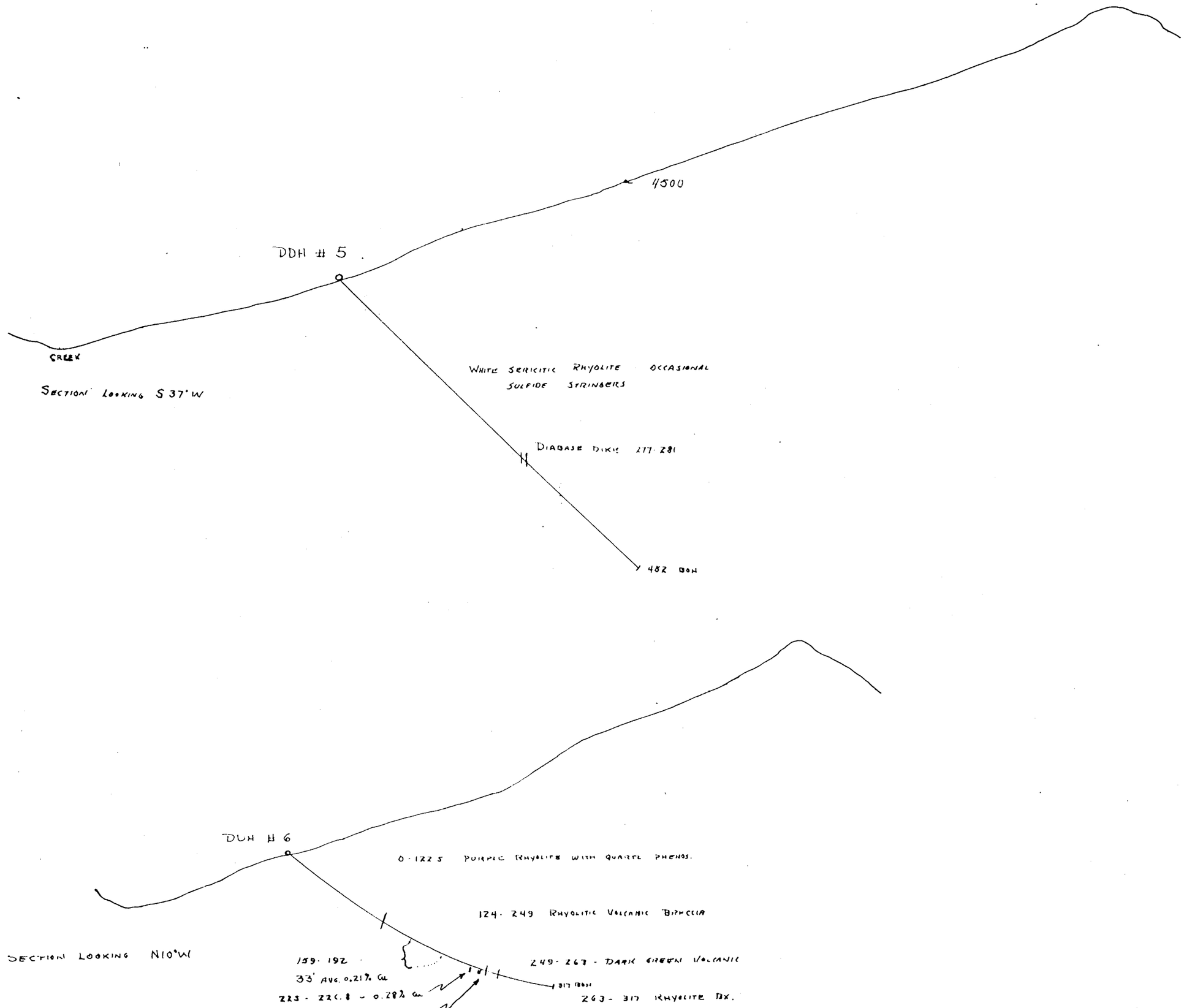
COMINCO AMERICAN INCORPORATED

COMPILED BY		DRAFTED BY	
ERF & WRH		WRH	
REVISED BY	DATE	REVISED BY	DATE

Copper Queen DDH-8

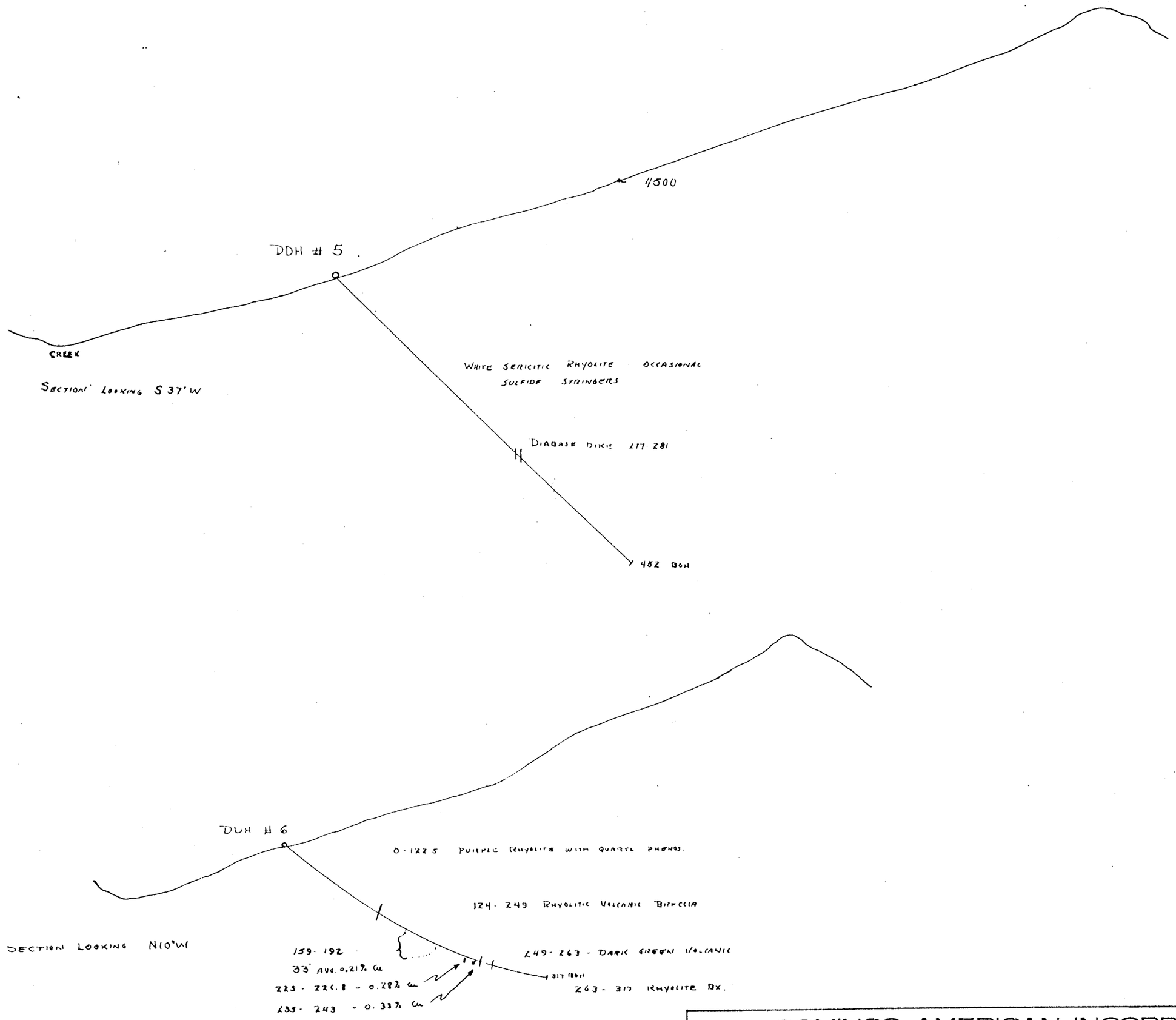
Looking N 32° E

SCALE 1" = 100' | DATE 1-17-74 | PLATE



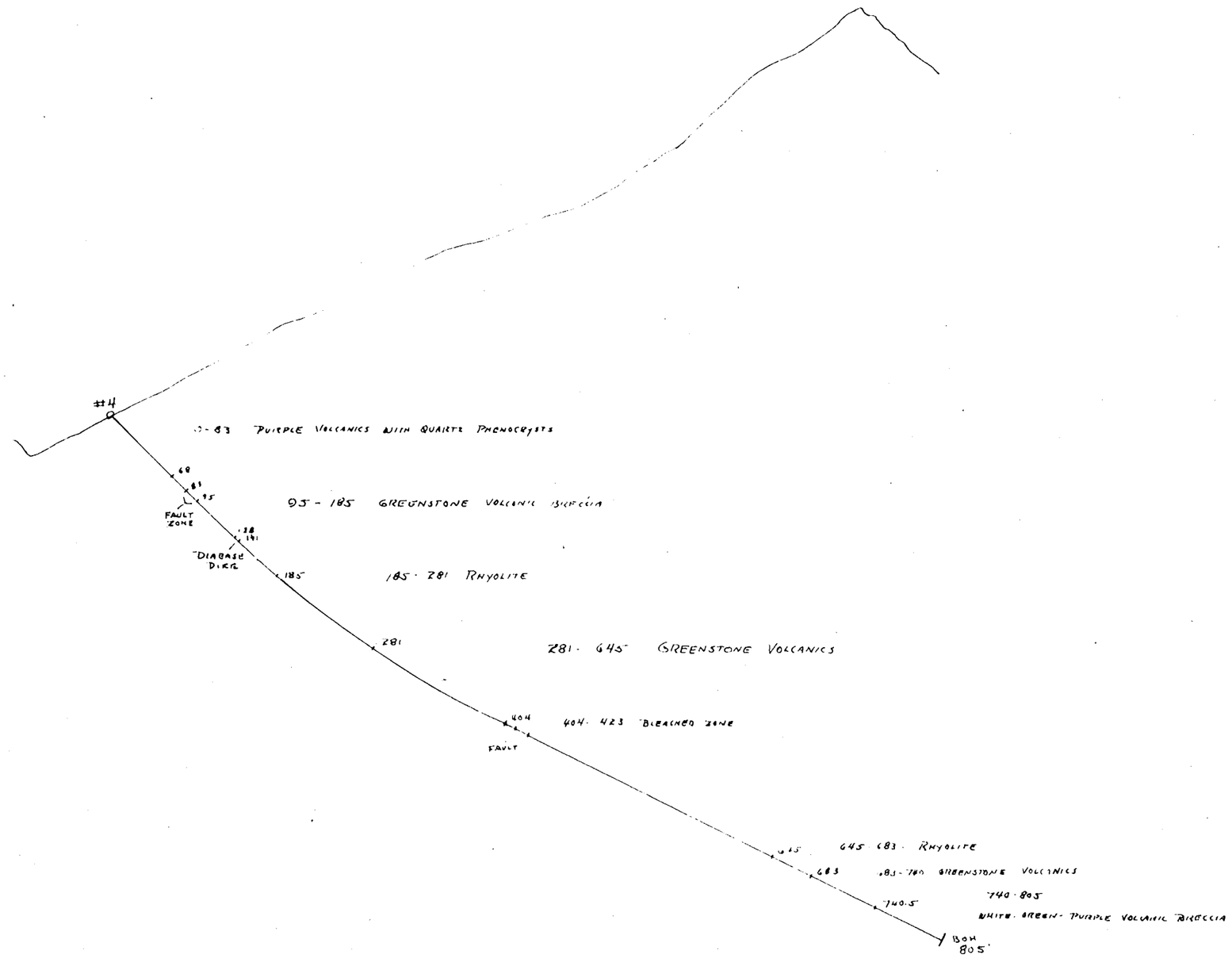
COMINCO AMERICAN INCORPORATED

COMPILED BY		DRAFTED BY Ka		Copper Queen Drill Holes #s 5 & 6		
REVISED BY	DATE	REVISED BY	DATE			
				SCALE 1" = 100'	DATE 14 MARCH '73	PLATE



COMINCO AMERICAN INCORPORATED

COMPILED BY		DRAFTED BY KD		Copper Queen Drill Holes #s 5 & 6		
REVISED BY	DATE	REVISED BY	DATE			
				SCALE 1" = 100'	DATE 14 MARCH '73	PLATE



COMINCO AMERICAN INCORPORATED

COMPILED BY		DRAFTED BY	
KB			
REVISED BY	DATE	REVISED BY	DATE

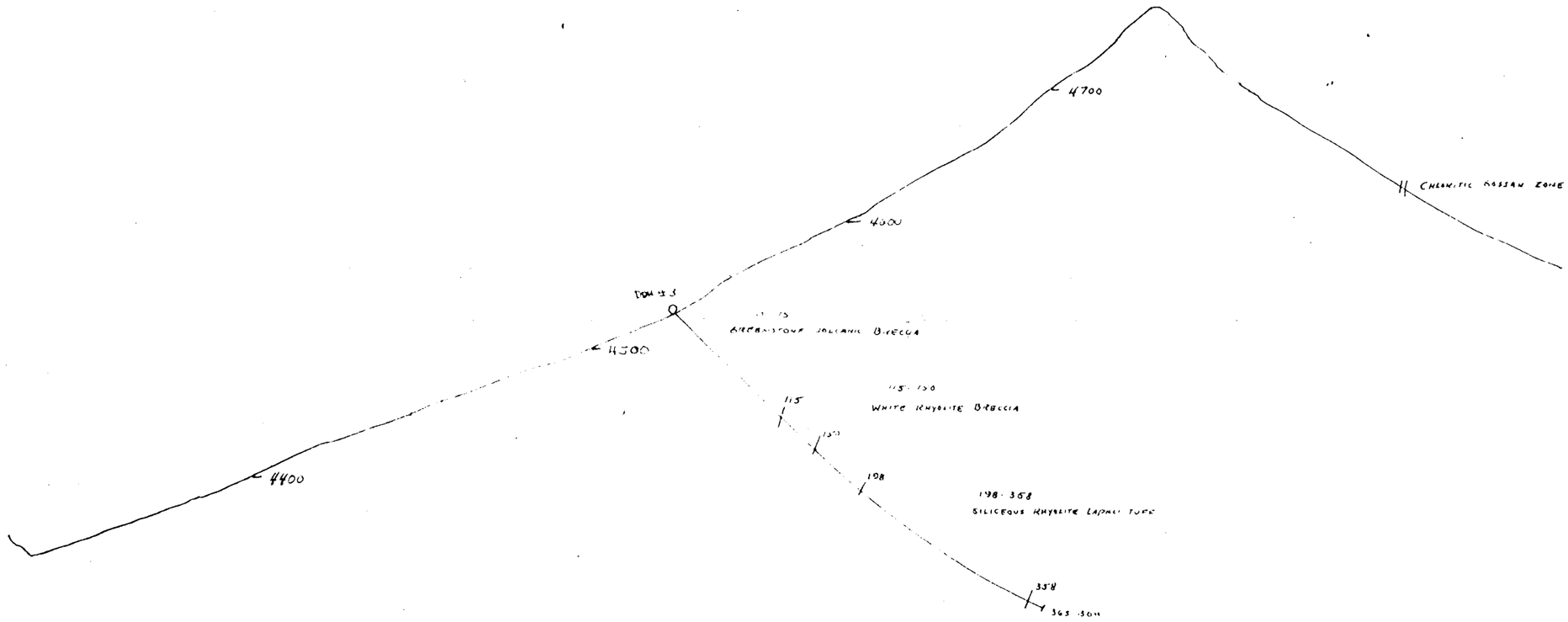
COPPER QUEEN DIAMOND DRILL HOLE #4

NGSE SECTION LOOKING NORTH WEST

SCALE 1" = 100'

DATE 13 JAN 72

PLATE



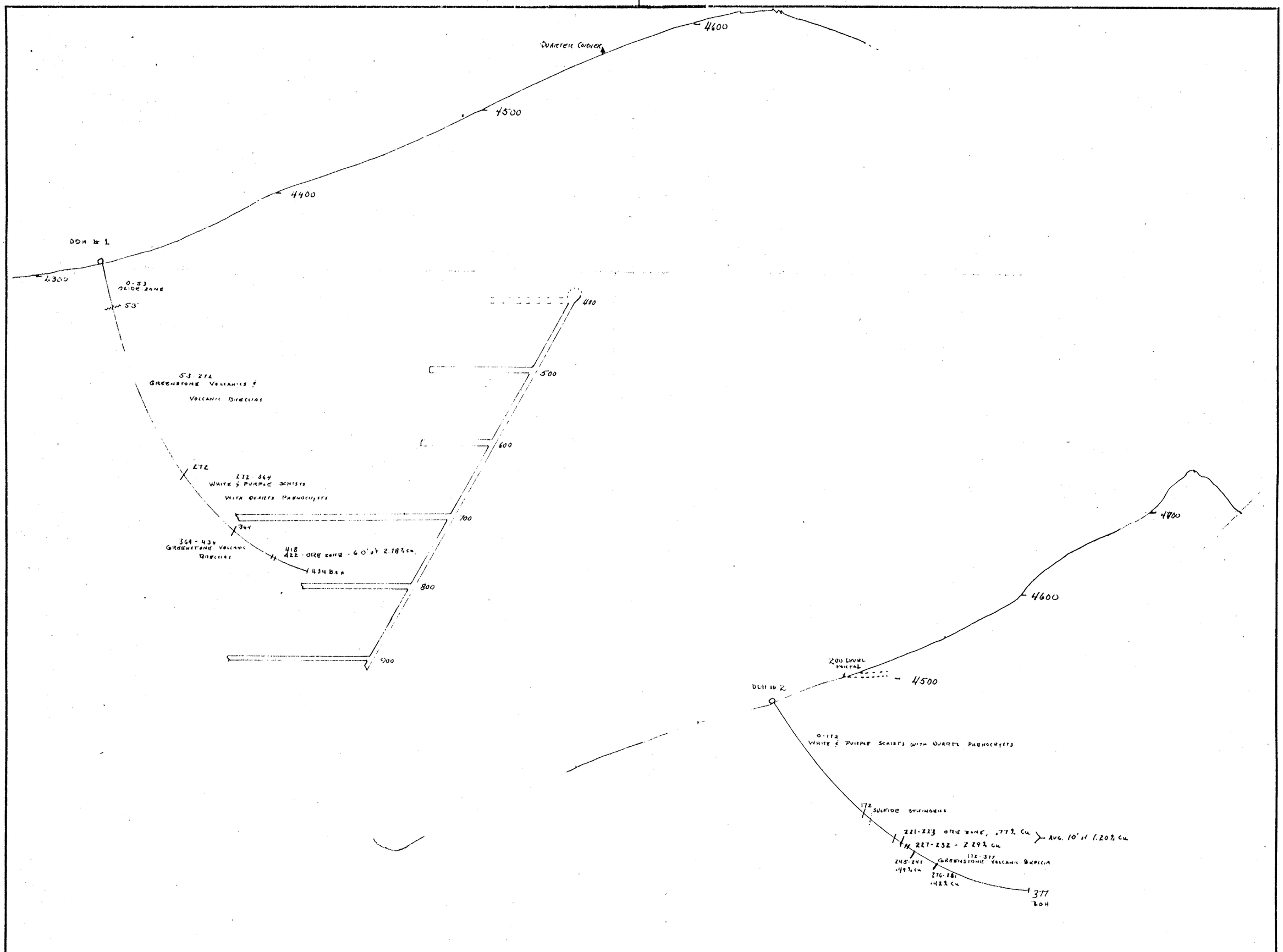
COMINCO AMERICAN INCORPORATED

COMPILED BY		DRAFTED BY	
KB			
REVISED BY	DATE	REVISED BY	DATE

COPPER QUEEN DIAMOND DRILL HOLE # 3

EAST WEST SECTION LOOKING NORTH

SCALE 1" = 100' | DATE 13 JAN '73 | PLATE:



COMINCO AMERICAN INCORPORATED

COMPILED BY		DRAFTED BY		
KB		KB		Copper Queen Diamond Drill Holes # 1 & 2 E-W Sections Looking North
REVISED BY	DATE	REVISED BY	DATE	
				SCALE 1" = 100' · DATE 2 Jan '73 · PLATE

500 Level

No.	Distance	Cu	Pb	Zn	
30	2.0'	2.02%	0.08%	0.43%	
	2.0' } 5.9' 1.76% Cu	2.09%	0.08%	0.10%	
	2.0'	1.17%	0.04%	0.29%	
31	2.5'	1.22%	0.08%	0.18%	13' 1.83% Cu
32	4.5'	2.26%	0.04%	0.13%	
33	2.0'	1.04%	0.02%	0.21%	
	3.0'	0.99%	0.02%	0.06%	10' 1.17% Cu
	5.0'	1.19%	0.01%	0.06%	

600 Level

40	2.0'	0.78%	0.01%	0.04%	
	1.9'	0.74%	0.10%	0.06%	8.7' 0.97% Cu
	4.8'	0.97%	0.02%	0.21%	

800 Level

No	Distance	Cu	Pb	Zn
80	3.8'	6.50	40	160
81	1.1'	0.12%	60	230
82	6.0'	2.35%	280	0.12%
83	1.0'	14.80%	0.11%	0.54%
84	4.8'	3.39%	730	0.12%

300 Level

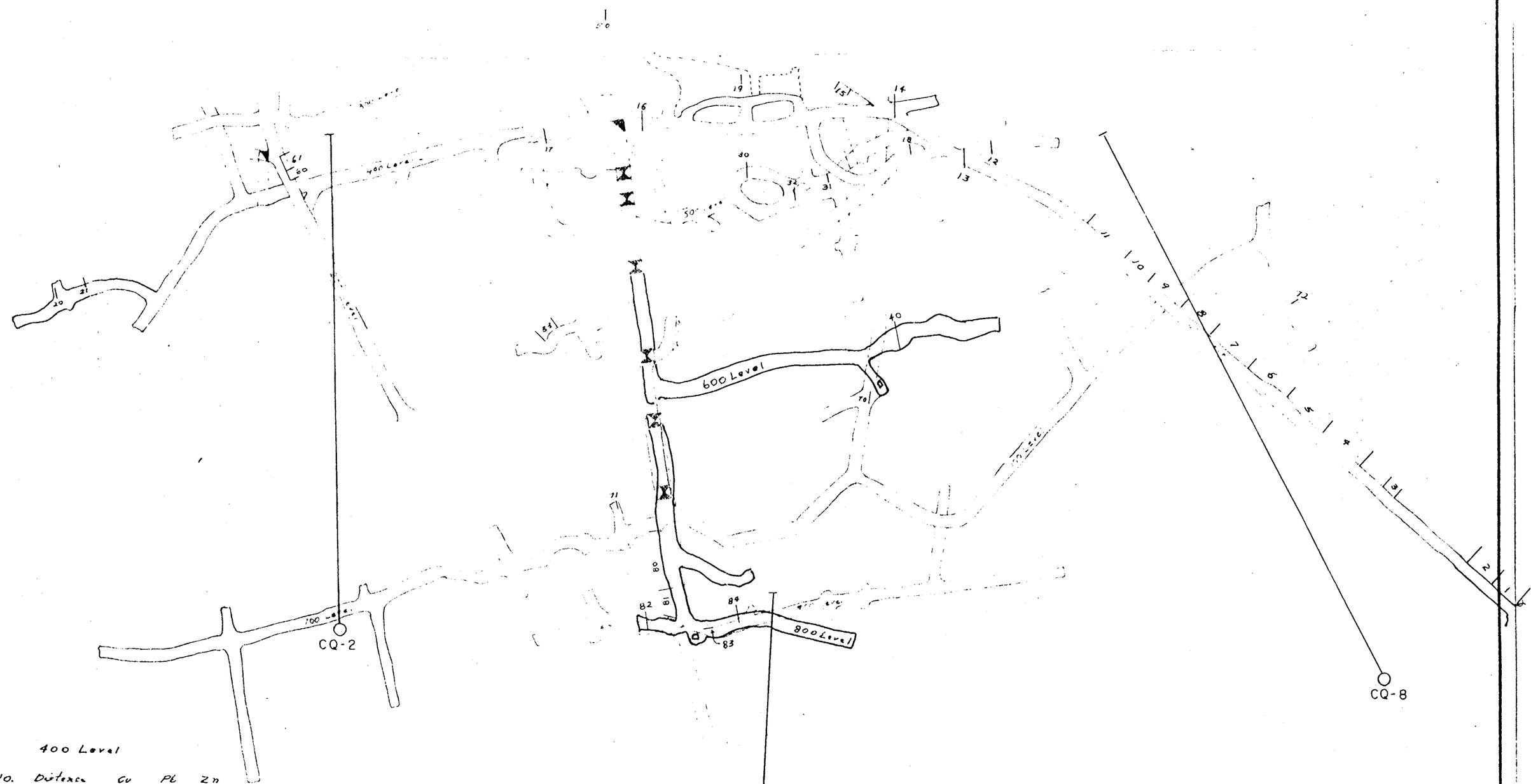
50	3.0'	2.05%	240	0.20%

200 Level

60	5.5'	0.30%	170	0.68%
61	10.0'	1.24%	280	0.18%

700 Level

No.	Distance	Cu	Pb	Zn
10	5.0'	3.24%	60	320
11	3.0'	0.25%	70	490
12	0.9'	5.90	2.07%	4.05%



400 Level

No.	Distance	Cu	Pb	Zn	
1	20.'	0.16%			
2	20.'	870			
3	10.'	450			
4	30.'	510	60	550	
5	30.'	390	190	590	
6	30.'	140	110	440	
7	30.'	0.11%	180	0.21%	
8	25.'	0.20%	70	830	
9	25.'	140	440	0.12%	
10	20.'	360			
11	30.'	120	70	245	
12	2.0'	0.95%	250	0.18%	
	2.0'	0.68%	220	0.30%	7' 1.97% Cu
	3.0'	1.95%	150	440	
13	10.0'	2.35%			
14	1.5'	0.44%	160	745	
	1.6'	1.83%	210	420	6.4' 0.98% Cu
	3.4'	0.57%	610	560	

No.	Distance	Cu	Pb	Zn	
15	10.0'	0.66%			
16	2.0'	2.87%	410	0.50%	4.6' 1.95% Cu
	2.6'	1.27%	130	0.18%	
	1.9'	0.12%	0.04%	0.04%	
17	3.0'	3.26%	450	410	
18	5.0' stope	2.23%	560	0.11%	
19	4.0' " "	3.42%	200	940	10' 1.02% Cu
	6.0' " "	0.15%	60	1000	
20	2.0'	2.06%	150	405	
21	1.0'	1.88%	170	575	

⊙ CQ-1 surface drill hole plotted at approx. ore intersection 6' 2.78% Cu .08% Pb .23% Zn 2.15 oz Ag (418.3 – 424.3)

* Ag Assays 0.2 To 0.5 oz/ton

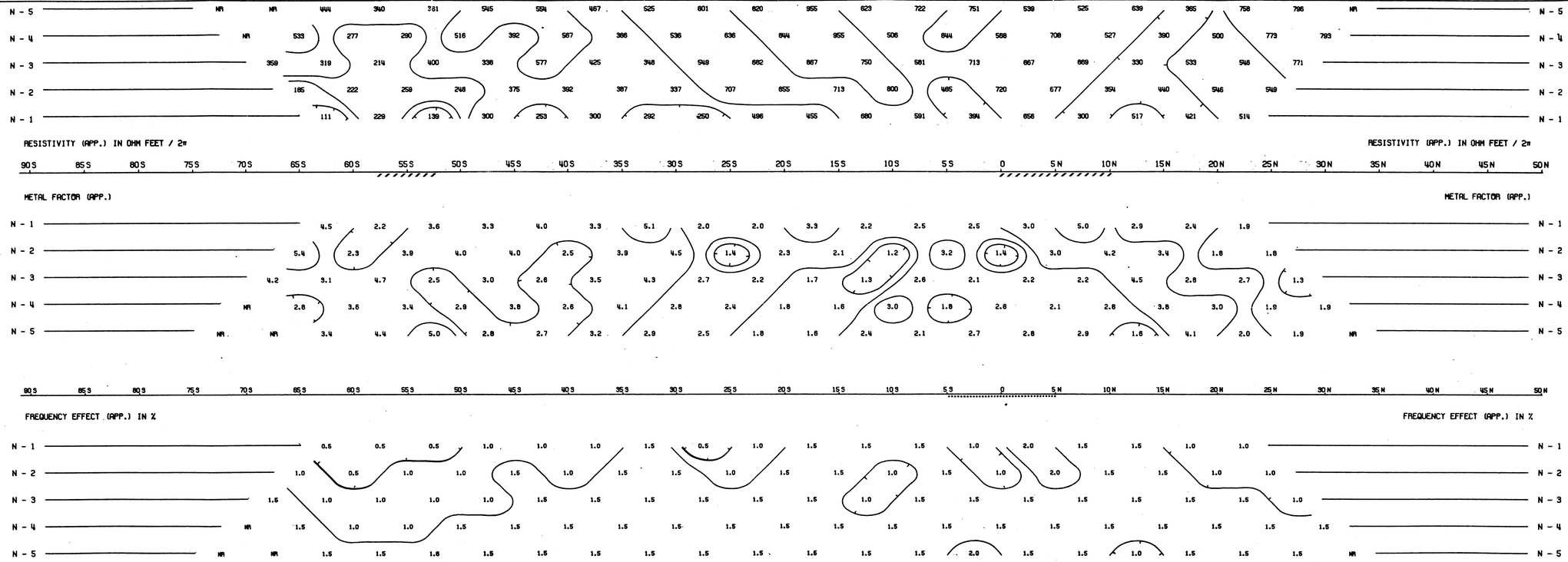
COMINCO AMERICAN INCORPORATED

COPPER QUEEN MINE

SHOWING ASSAYS of CHANNEL SAMPLES

COMINCO SAMPLES

1" = 60' NOVEMBER 1972



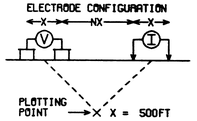
DWG. NO.- I.P.-5954-1

COMINCO AMERICAN INC.

AGUA FRIA DISTRICT, COPPER QUEEN AREA, YAVAPAI COUNTY, ARIZONA.

LINE NO.- 0

ELECTRODE CONFIGURATION



SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE
PROBABLE
POSSIBLE

FREQUENCIES: 0.1-1.25 HZ

DATE SURVEYED: MAY 1972

APPROVED:

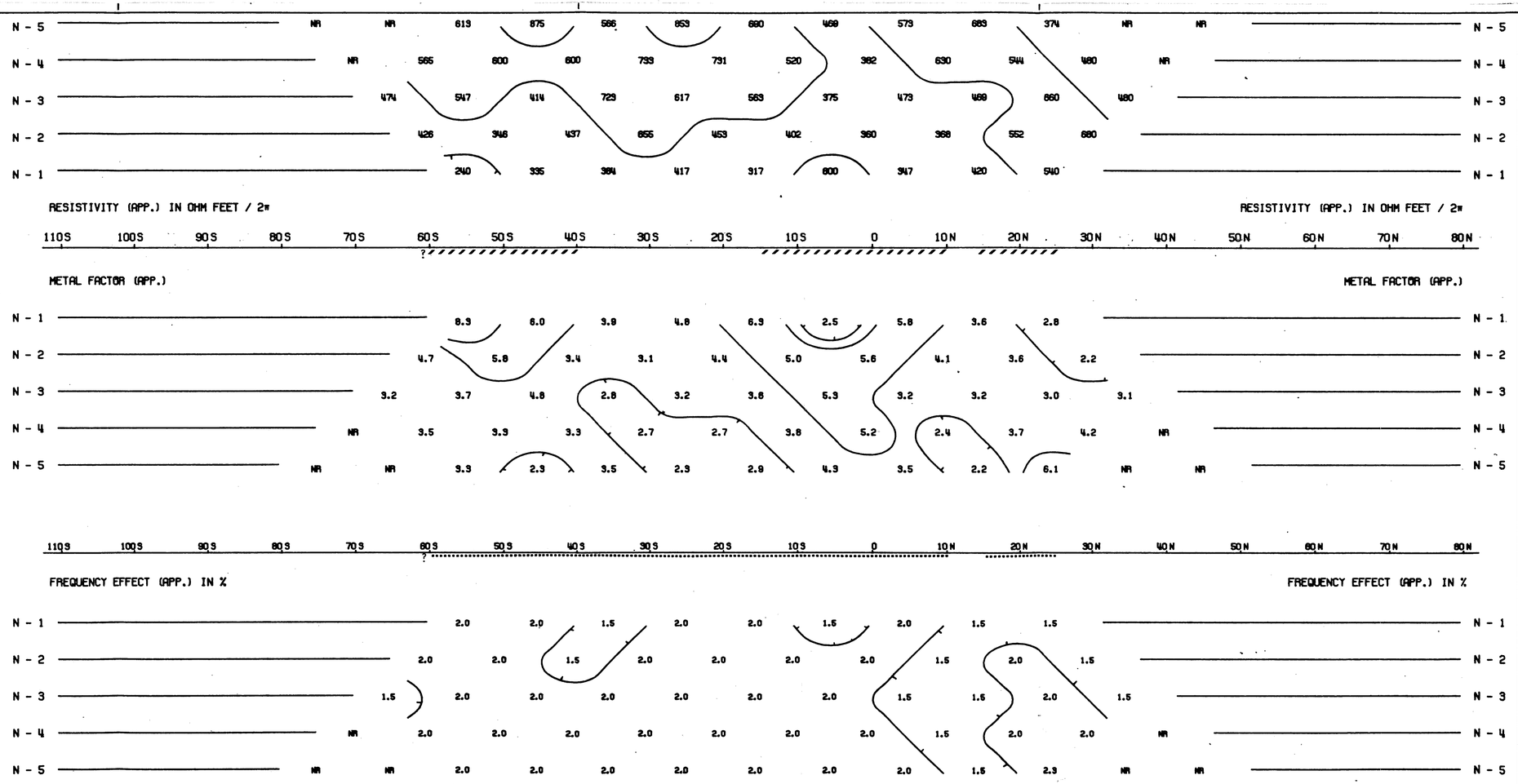
DATE: 7/6/72

NOTE: CONTOURS AT LOGARITHMIC INTERVALS 1.-1.5-2.-3.-5.-7.5-10

McPHAR GEOPHYSICS

INDUCED POLARIZATION AND RESISTIVITY SURVEY

NOTE: THIS PLOT WAS PRODUCED BY McPHAR COMPUTER DIVISION



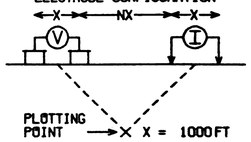
DWG. NO.- I.P.- 5954-2

COMINCO AMERICAN INC.

AGUA FRIA DISTRICT, COPPER QUEEN AREA, YAVAPAI COUNTY, ARIZONA.

LINE NO.- 2

ELECTRODE CONFIGURATION



SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE
PROBABLE
POSSIBLE

FREQUENCIES: 0.1-1.25 HZ

DATE SURVEYED: MAY 1972

APPROVED:

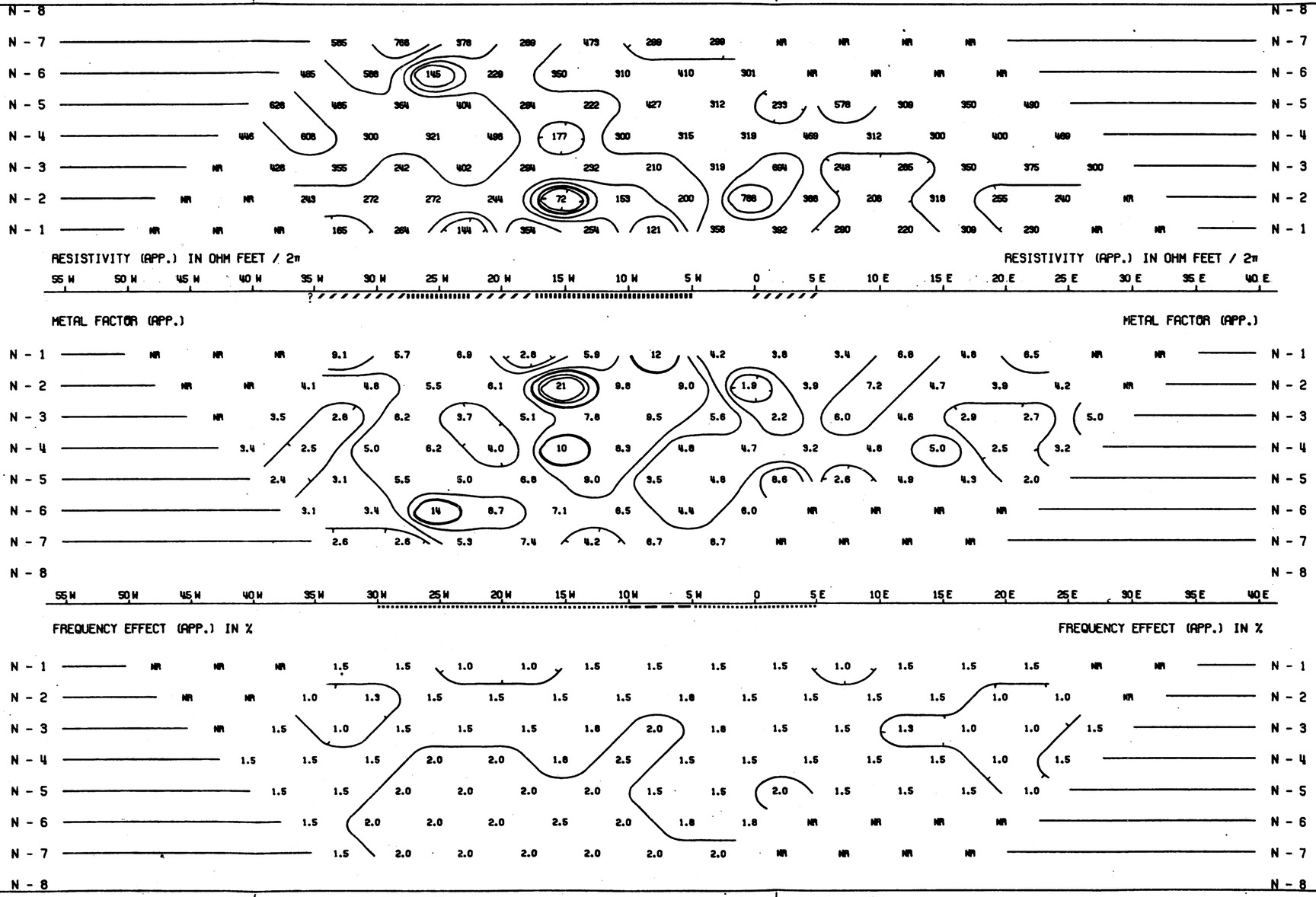
DATE: 7/6/72

NOTE: CONTOURS AT LOGARITHMIC INTERVALS 1.-1.5-2.-3.-5.-7.5-10

McPHAR GEOPHYSICS

INDUCED POLARIZATION AND RESISTIVITY SURVEY

NOTE: THIS PLOT WAS PRODUCED BY McPHAR COMPUTER DIVISION



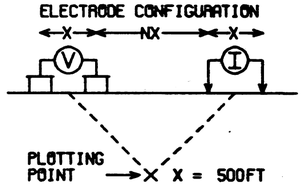
DWG. NO.- I.P.-5954-3

COMINCO AMERICAN INC.

AGUA FRIA DISTRICT, COPPER QUEEN AREA, YAVAPAI COUNTY, ARIZONA.

LINE NO.- 5N

ELECTRODE CONFIGURATION



SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE
PROBABLE
POSSIBLE

FREQUENCIES: 0.1-1.25 HZ

DATE SURVEYED: MAY 1972

APPROVED:

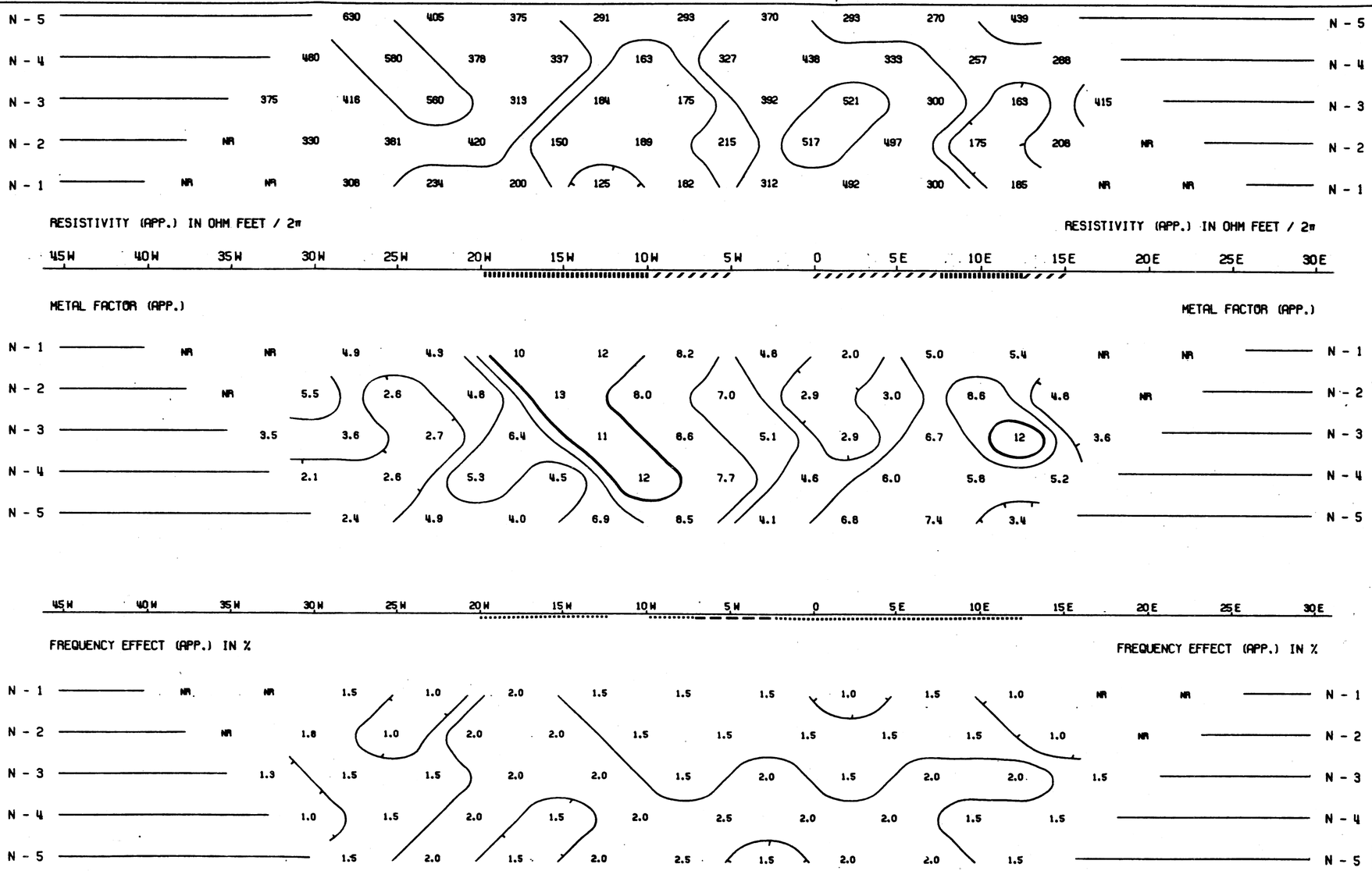
DATE: 7/6/72

NOTE: CONTOURS AT LOGARITHMIC INTERVALS 1.-1.5-2.-3.-5.-7.5-10

McPHAR GEOPHYSICS

INDUCED POLARIZATION AND RESISTIVITY SURVEY

NOTE: THIS PLOT WAS PRODUCED BY MCPHAR COMPUTER DIVISION



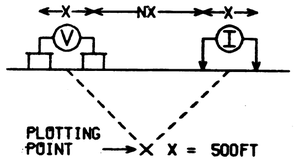
DWG. NO.- I.P.-5954-4

COMINCO AMERICAN INC.

AGUA FRIA DISTRICT, COPPER QUEEN AREA, YAVAPAI COUNTY, ARIZONA.

LINE NO.- 15S

ELECTRODE CONFIGURATION



SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE
PROBABLE
POSSIBLE

FREQUENCIES: 0.1-1.25 HZ

DATE SURVEYED: MAY 1972

APPROVED:

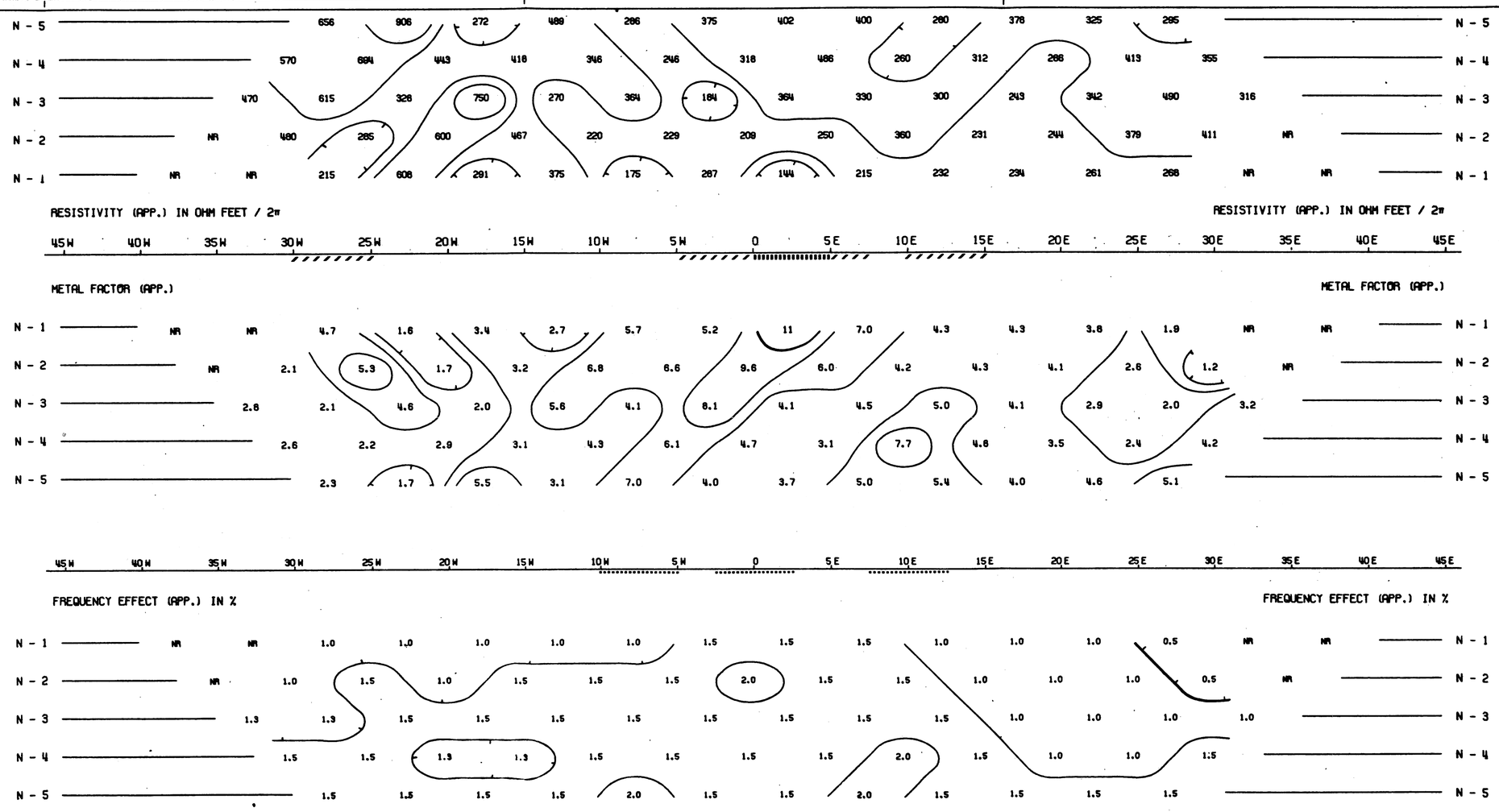
DATE: 7/6/72

NOTE: CONTOURS AT LOGARITHMIC INTERVALS 1.-1.5-2.-3.-5.-7.5-10

McPHAR GEOPHYSICS

INDUCED POLARIZATION AND RESISTIVITY SURVEY

NOTE: THIS PLOT WAS PRODUCED BY McPHAR COMPUTER DIVISION



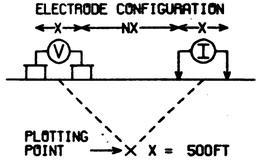
DWG. NO.- I.P.- 5954-5

COMINCO AMERICAN INC.

AGUA FRIA DISTRICT, COPPER QUEEN AREA, YAVAPAI COUNTY, ARIZONA.

LINE NO.- 35S

ELECTRODE CONFIGURATION



SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE
PROBABLE
POSSIBLE

FREQUENCIES: 0.1-1.25 HZ

DATE SURVEYED: JUN 1972

APPROVED:

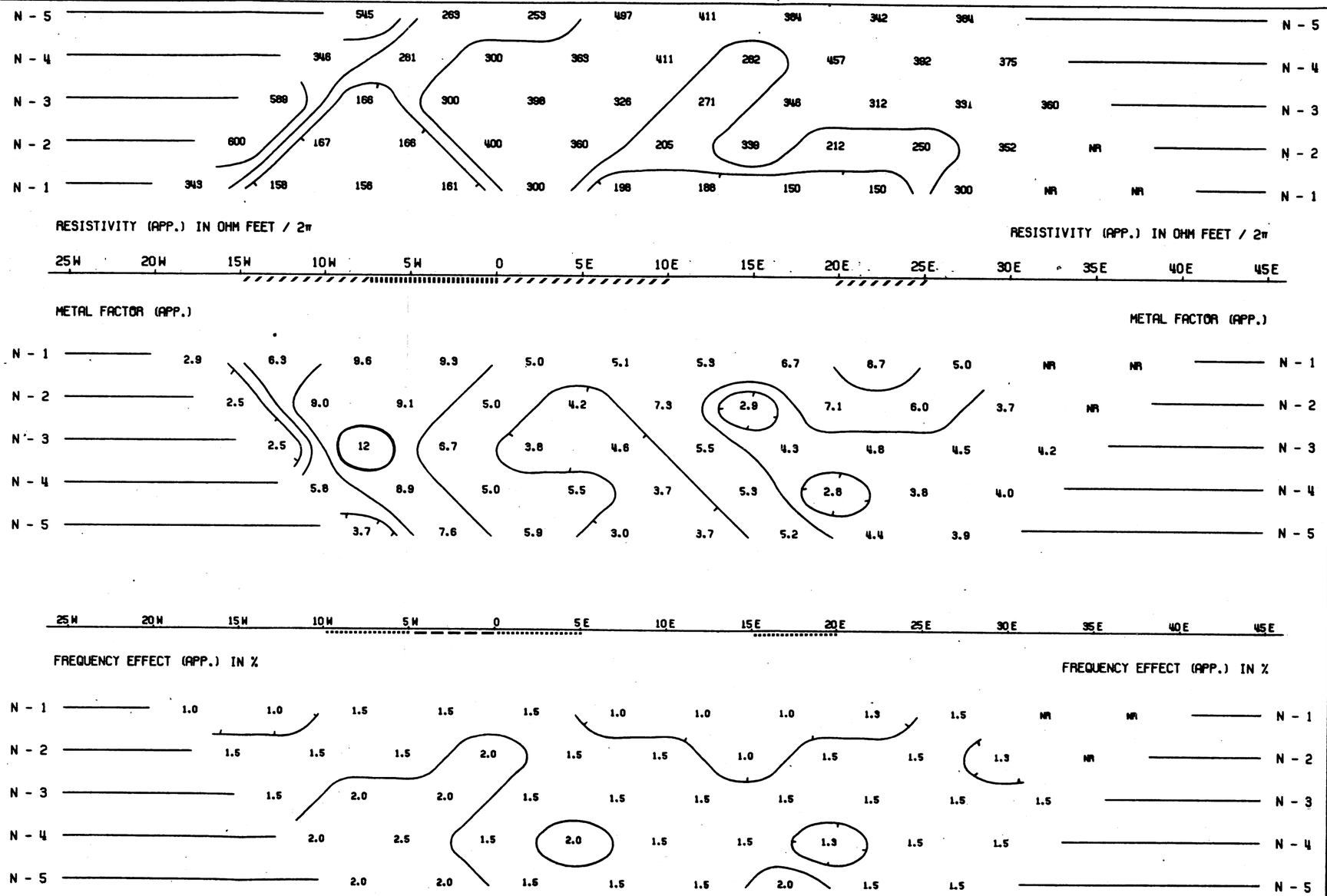
DATE: 7/6/72

NOTE: CONTOURS AT LOGARITHMIC INTERVALS 1.-1.5-2.-3.-5.-7.5-10

McPHAR GEOPHYSICS

INDUCED POLARIZATION AND RESISTIVITY SURVEY

NOTE: THIS PLOT WAS PRODUCED BY McPHAR COMPUTER DIVISION



DWG. NO.- I.P.-5954-6

COMINCO AMERICAN INC.

AGUA FRIA DISTRICT, COPPER QUEEN AREA, YAVAPAI COUNTY, ARIZONA.

LINE NO.- 50S

ELECTRODE CONFIGURATION

X — NX — X

PLOTTING POINT → X X = 500FT

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE
PROBABLE
POSSIBLE

FREQUENCIES: 0.1-1.25 HZ

DATE SURVEYED: JUN 1972

APPROVED: PHILIP G. HALLOF

DATE: 7/6/72

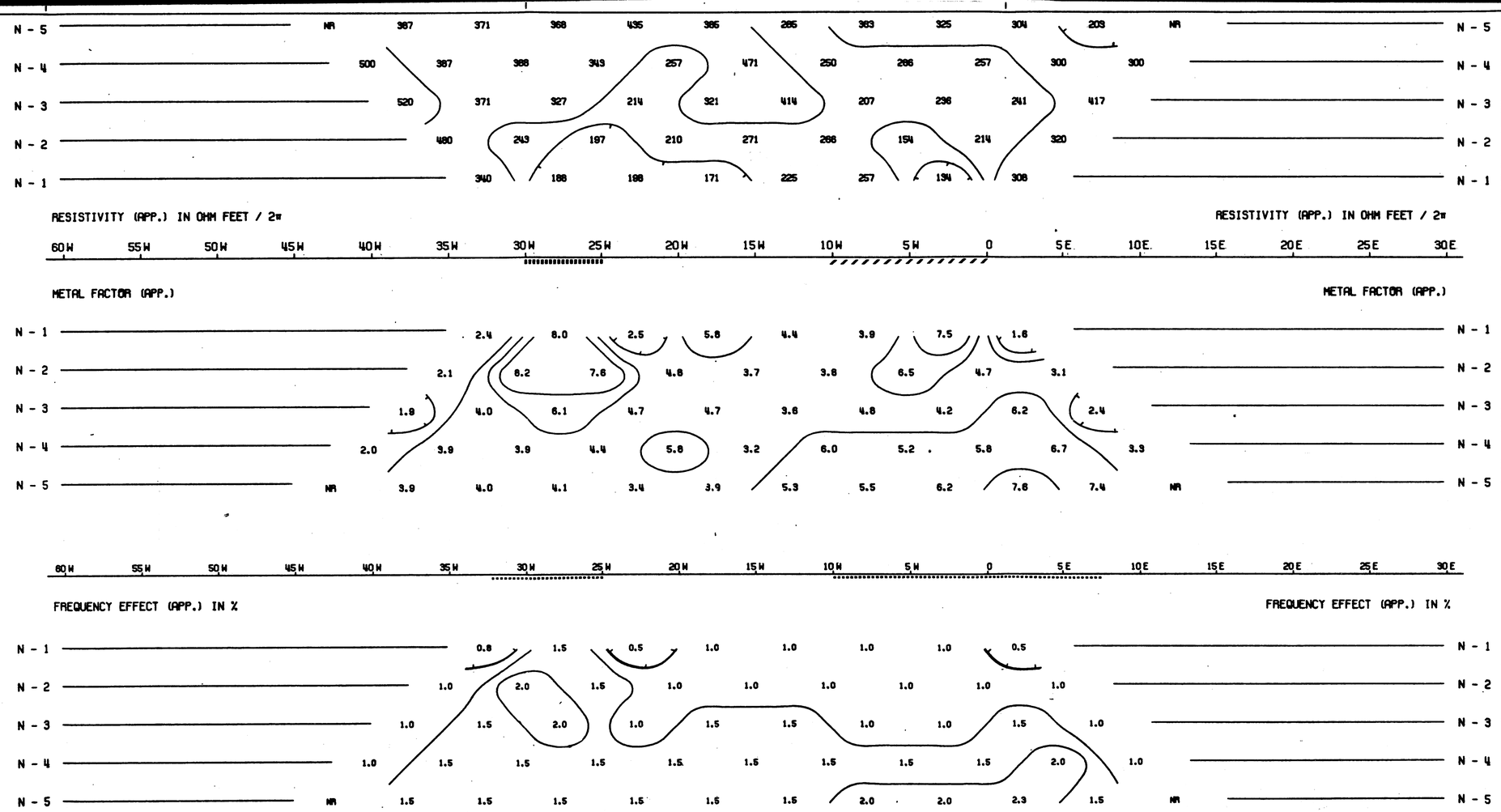
NOTE: CONTOURS AT LOGARITHMIC INTERVALS 1.-1.5-2.-3.-5.-7.5-10

McPHAR GEOPHYSICS

INDUCED POLARIZATION AND RESISTIVITY SURVEY

NOTE: THIS PLOT WAS PRODUCED BY MCPHAR COMPUTER DIVISION

Scanned 6-18-12
TEM



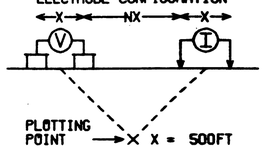
DWG. NO.- I.P.-5954-7

COMINCO AMERICAN INC.

AGUA FRIA DISTRICT, COPPER QUEEN AREA, YAVAPAI COUNTY, ARIZONA.

LINE NO.- EE

ELECTRODE CONFIGURATION



SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE
PROBABLE
POSSIBLE

FREQUENCIES: 0.1-1.25 HZ

DATE SURVEYED: JUN 1972

APPROVED:

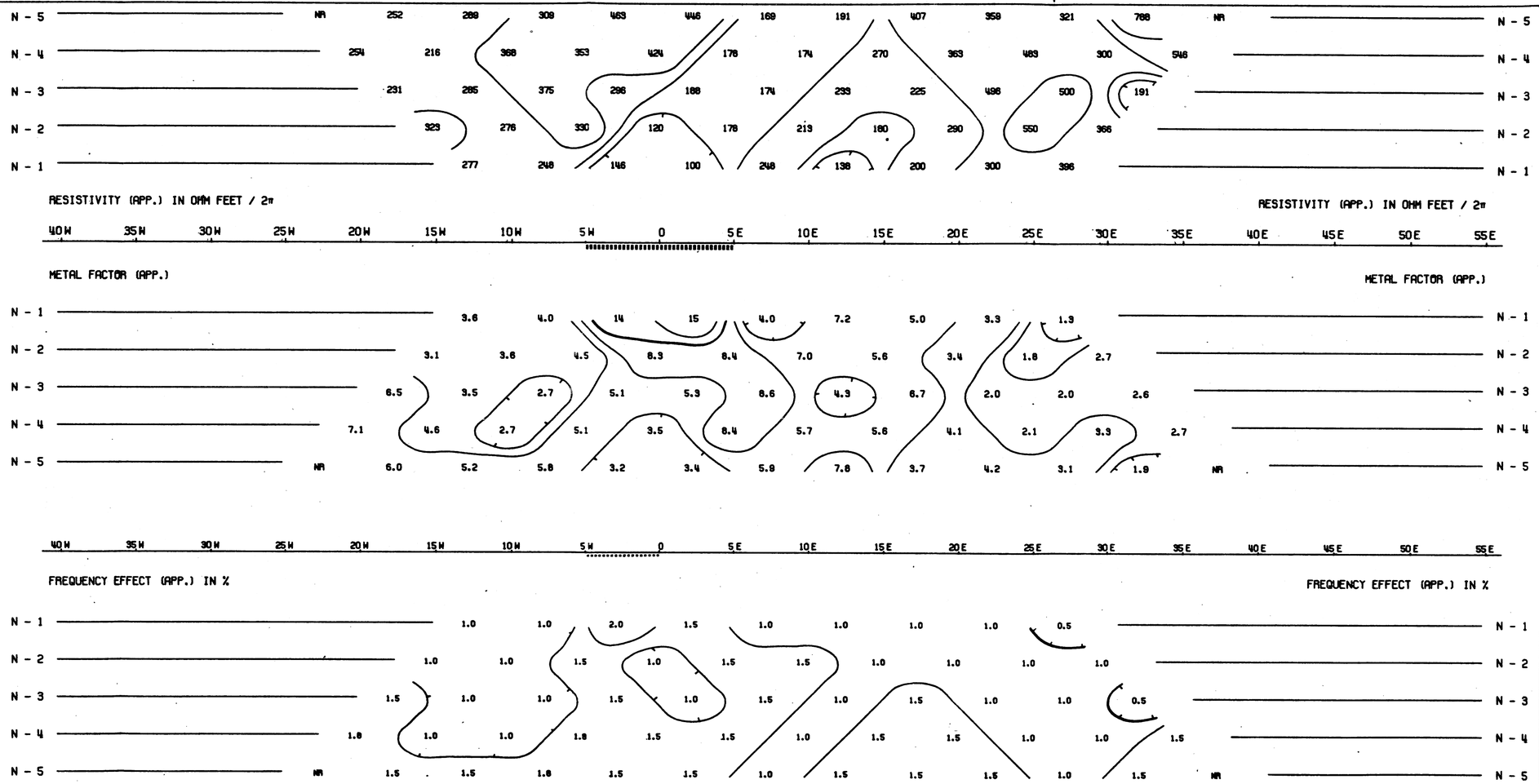
DATE: 7/6/72

NOTE: CONTOURS AT LOGARITHMIC INTERVALS 1.-1.5-2.-3.-5.-7.5-10

McPHAR GEOPHYSICS

INDUCED POLARIZATION AND RESISTIVITY SURVEY

NOTE: THIS PLOT WAS PRODUCED BY McPHAR COMPUTER DIVISION



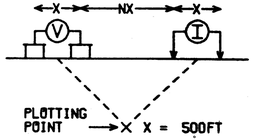
DWG. NO.- I.P.-5954-8

COMINCO AMERICAN INC.

AGUA FRIA DISTRICT, COPPER QUEEN AREA, YAVAPAI COUNTY, ARIZONA.

LINE NO.- HM

ELECTRODE CONFIGURATION



SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE
PROBABLE
POSSIBLE

FREQUENCIES: 0.1-1.25 HZ

DATE SURVEYED: MAY 1972

APPROVED: PHILIP G. HALLOF

DATE: 7/6/72

NOTE: CONTOURS AT LOGARITHMIC INTERVALS 1.-1.5-2.-3.-5.-7.5-10

McPHAR GEOPHYSICS

INDUCED POLARIZATION AND RESISTIVITY SURVEY

NOTE: THIS PLOT WAS PRODUCED BY McPHAR COMPUTER DIVISION

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