V-190 521377

PLACER - ANACONDA - SKYLINE JOINT VENTURE

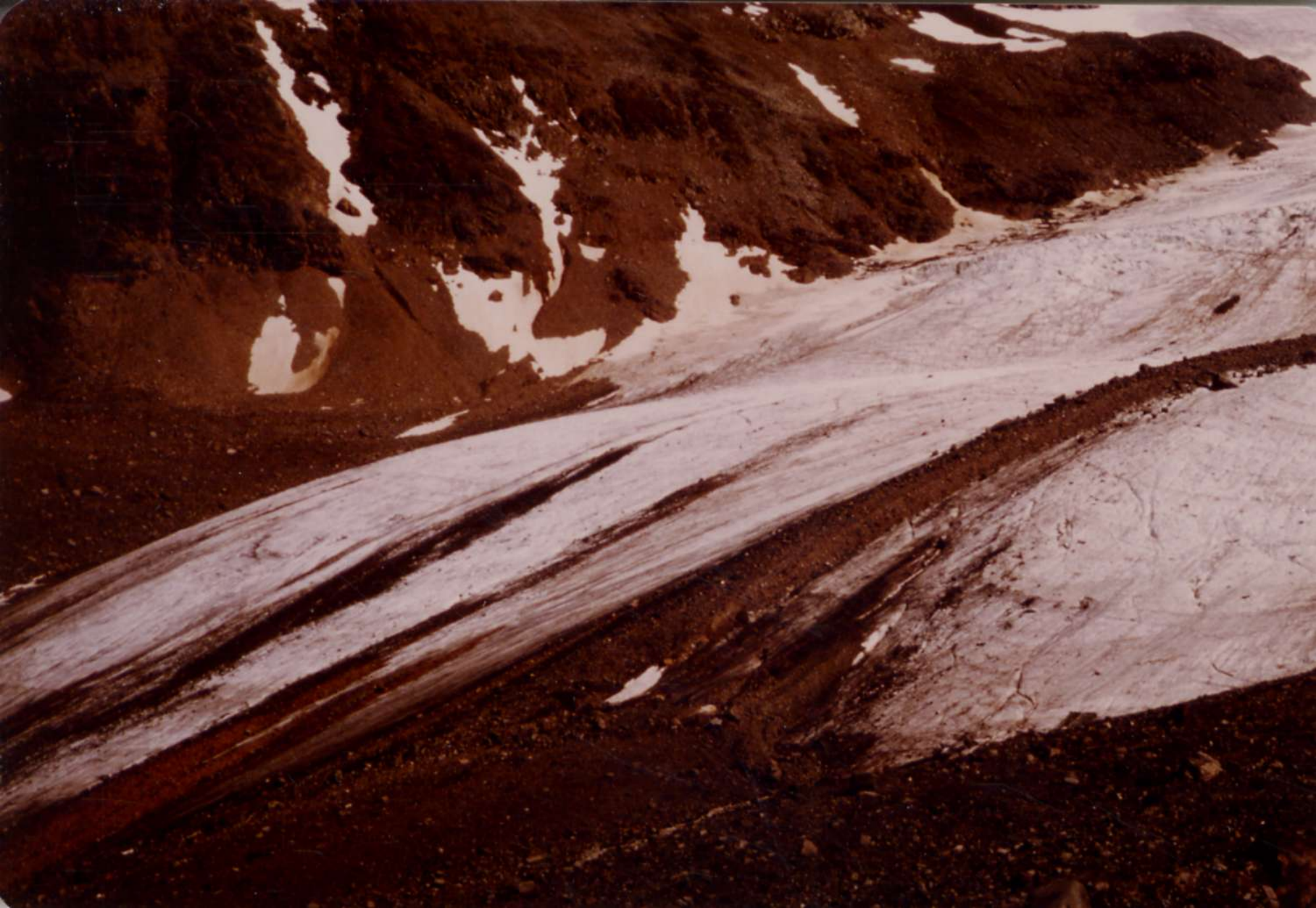
Johnny Mountain Gold Prospect

Iskut River ARea

Liard Mining Division

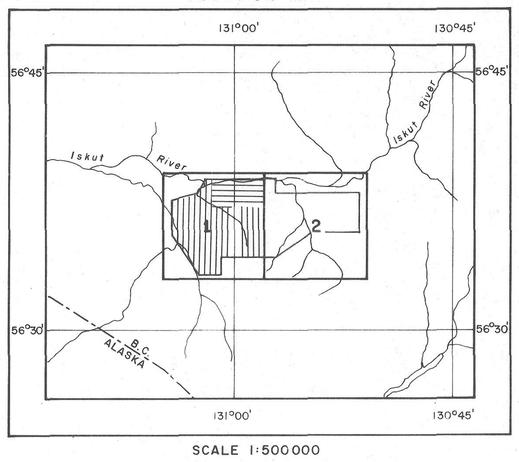
April 1984 Robert J. Young

Volume II



CENTIMETRE
INCH

LOCATION MAP



SCALE 1:500000

DIGHEM^{III} SURVEY

ISKUT RIVER AREA, B.C.

ELECTROMAGNETIC ANOMALIES

FOR

PLACER DEVELOPMENT LIMITED

REGISTERED PROFESSIONAL ENGINEER
D.C. FRASER
PROVINCE OF ONTARIO

Scale 1:20,000

1 0 1 2 Kilometres

1/2 0 1/2 1 Miles

SHEET 1

inches
0 1 2
0 1 2 3 4 5
centimetres

BRITISH COLUMBIA GEOLOGICAL SURVEY

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

Flight Line

2120 — Fiducial 2120 (Not recovered from film)
2118 — Fiducial 2118 (Recovered from film)
2110 — Fiducial 2110 (Not recovered from film)
2104 — Fiducial 2104 (Recovered from film)

301 ^ Line number and Flight direction

FIGURE 2·4.

ANOMALY GRADE	EM GRADE SYMBOL	CONDUCTANCE RANGE (MHOS)
6	●	> 99
5	✹	50 - 99
4	●	20 - 49
3	◉	10 - 19
2	○	5 - 9
1	○	< 5
	×	indeterminate

DIGHEM anomalies are divided into six grades of conductivity — thickness product. This product in mhos is the reciprocal of resistance in ohms. The mho is a measure of conductance, and is a geologic parameter.

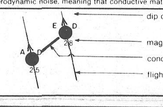
identifier name → E; Depth is greater than: 15 m, 30 m, 45 m, 60 m

interpretive symbol → D.P.; Inphase and Quadrature of Coaxial Coil is greater than: 5 ppm, 10 ppm, 15 ppm, 20 ppm

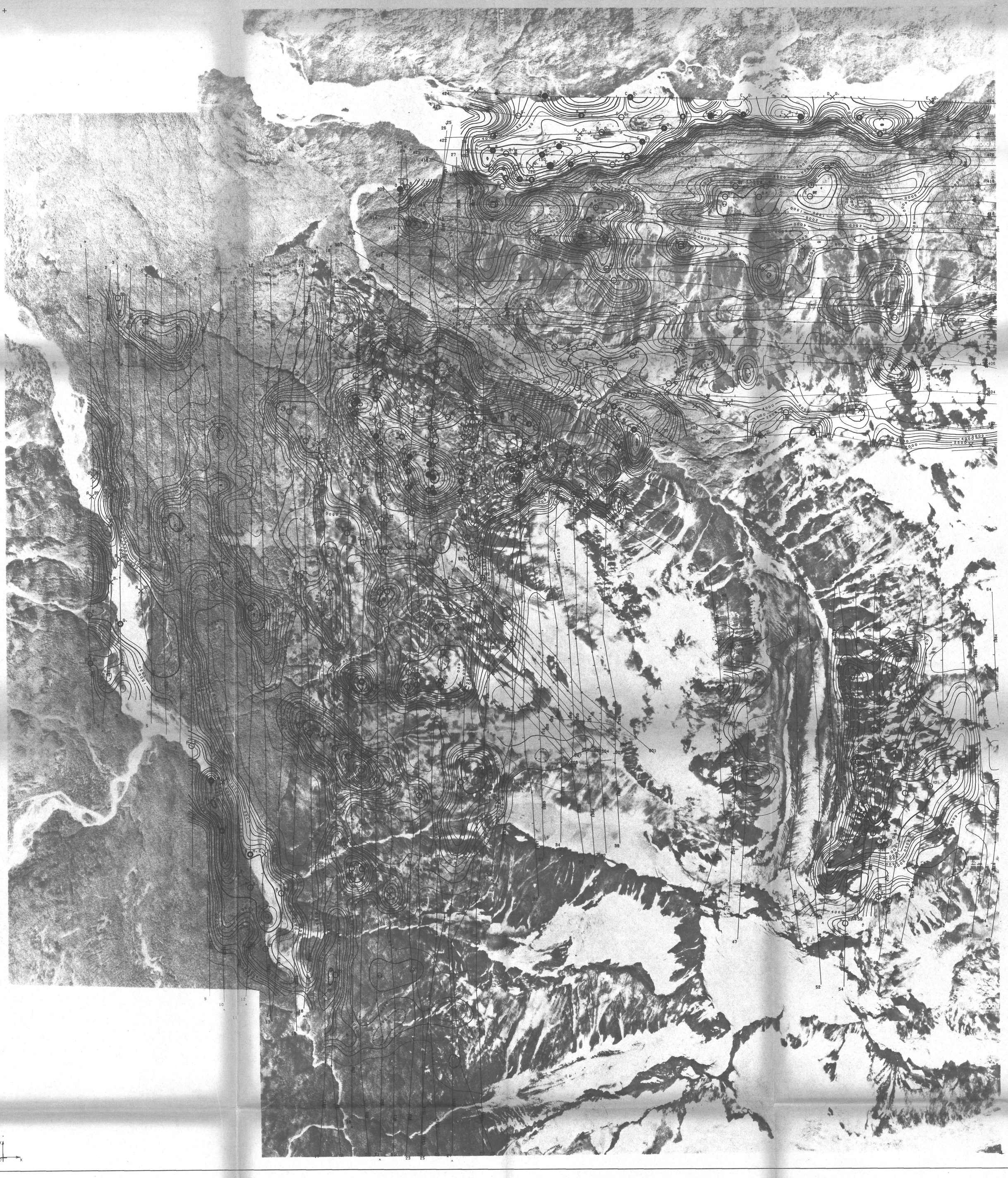
Refer to list of anomalies in survey report for the actual ppm values for all coils, and for the conductance and depth of conductors.

The interpretation is shown by the interpretive symbol (see legend below). The left letter is the anomaly **identifier.** The horizontal rows of **dots** indicate anomaly amplitude on the flight record, and the vertical column gives the estimated depth. This depth may be unreliable because the stronger part of the conductor may be deeper or to one side of the flight line, or because of a shallow dip or conductive overburden effects.

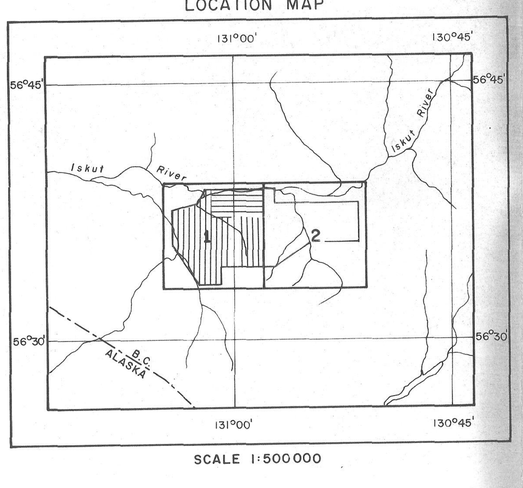
SYMBOL	GEOPHYSICAL MODEL	BEDROCK CONDUCTOR	or	NON BEDROCK CONDUCTOR	MOST LIKELY
D_x	steeply-dipping thin dike	steeply-dipping planar conductor	or	metal culture which contacts conductive ground	discrete bedrock conductor
T_x	thick dike	thick conductor, with thickness greater than 10 m	or		
B_x	indeterminate	bedrock conductor	or		
P_x	conductor to one side of flight line	flight line passed off the end or side of conductor	or	flight line passed off the end or side of culture	
E_x	indeterminate	discrete conductor close to a much stronger conductor	or	edge of large conductive zone	
H_x	half space (close to surface)	conductive rock unit	or	deep conductive weathering or thick conductive cover	conductive rock or cover
G_x	buried half space	conductive rock unit, "buried" under non-conductive cover or under a dense forest canopy	or	deep conductive weathering or thick conductive cover, "buried" under a dense forest canopy	
S_x	horizontal sheet	weak bedrock conductor masked by conductive cover	or	thin conductive cover or, occasionally, culture which contacts conductive cover	conductive cover
R_x	horizontal ribbon	flatly-dipping narrow conductor (not computer picked)	or	narrow surface conductor, e.g., stream sediments, or large fenced area	culture
C_x	sphere, horizontal disk	steeply-plunging compact conductor	or	metal roof or fenced yard	
L_x	line	bedrock conductor masked by culture	or	fence, pipeline, power line	
$a^?$	'a' is one of the above symbols; 'a?' means that the correct identification of the geophysical model is only a reasonable possibility, rather than being a reasonable probability				
?	probable aerodynamic noise, meaning that conductive material may, in fact, not exist				



JOB	DATE	DRAWN BY	CHECKED BY
176	SEPT./83	FM	Z.D.



LOCATION MAP



SCALE 1:500000

DIGHEM^{III} SURVEY

ISKUT RIVER AREA, B.C.

RESISTIVITY

FOR

PLACER DEVELOPMENT LIMITED

REGISTERED PROFESSIONAL ENGINEER
D. C. FRASER
PROVINCE OF ONTARIO

Scale 1:20,000

1 0 1 2 Kilometres

1/2 0 1/2 1 Miles

SHEET 1

inches
0 1 2
0 1 2 3 4 5
centimetres

BRITISH COLUMBIA GEOLOGICAL SURVEY

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

Flight Line

Fiducial 2120 (Not recovered from film)
2118 Fiducial 2118 (Recovered from film)
Fiducial 2110 (Not recovered from film)
2104 Fiducial 2104 (Recovered from film)
301 Line number and Flight direction

LEGEND

Contours in ohm — m
at ten intervals per decade

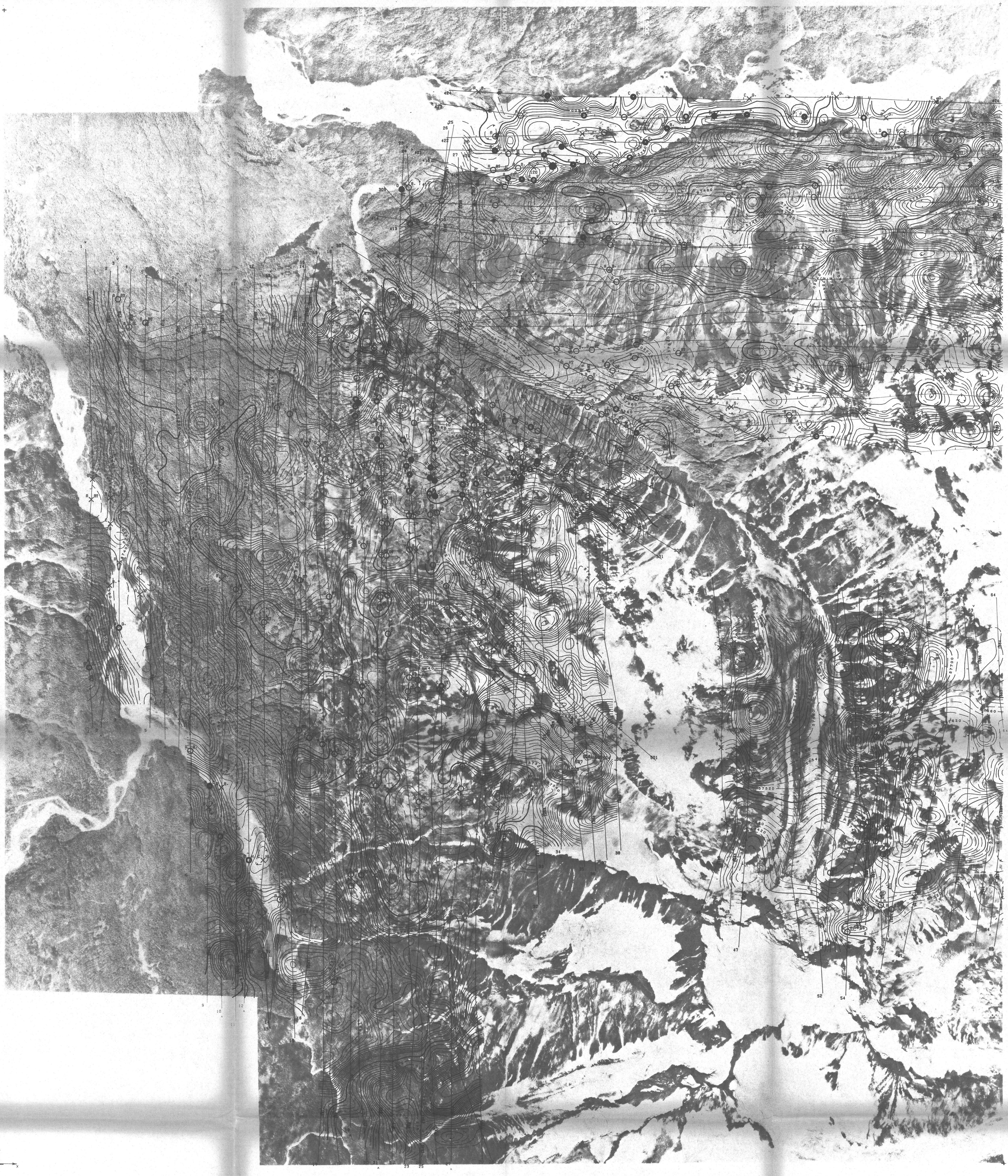
1000
800
600
500
400
300
250
200
150
125
100

Note

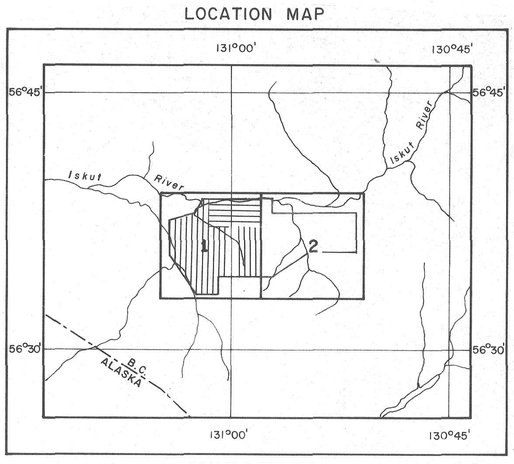
The numbers face in the direction of increasing value.

FIGURE 25.

JOB	DATE	DRAWN BY	CHECKED BY
176	SEPT./83	TM	2.D.



LOCATION MAP



SCALE 1:500000

DIGHEM^{III} SURVEY

ISKUT RIVER AREA, B.C.

MAGNETICS

FOR PLACER DEVELOPMENT LIMITED

REGISTERED PROFESSIONAL ENGINEER
D. C. FRASER
PROVINCE OF ONTARIO

Flight Line

- Fiducial 2120 (Not recovered from film)
- 2118 — Fiducial 2118 (Recovered from film)
- Fiducial 2110 (Not recovered from film)
- 2104 — Fiducial 2104 (Recovered from film)
- 301 ^ — Line number and Flight direction

ISOMAGNETIC LINES
(total field)

- 1000 — 1 000 nT
- 100 — 100 nT
- 20 — 20 nT
- 10 nT
- magnetic depression

Magnetic Inclination within the survey area: 74°

Scale 1:20,000

1 0 1 2 Kilometres

1/2 0 1/2 1 Miles

inches 0 1 2
centimetres 0 1 2 3 4 5

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

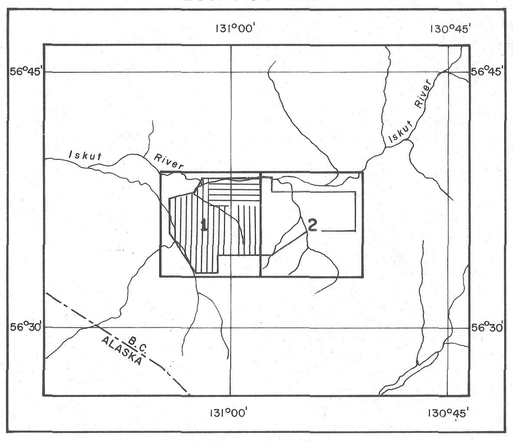
BRITISH COLUMBIA GEOLOGICAL SURVEY

SHEET 1

FIGURE 26.

JOB	DATE	DRAWN BY	CHECKED BY
176	SEPT./83		

LOCATION MAP



SCALE 1:500000

DIGHEM^{III} SURVEY

ISKUT RIVER AREA, B.C.

ENHANCED MAGNETICS

FOR

PLACER DEVELOPMENT LIMITED

REGISTERED PROFESSIONAL ENGINEER
D. C. FRASER
PROVINCE OF ONTARIO

Scale 1:20,000

1 0 1 2 Kilometres

1/2 0 1/2 1 Miles

SHEET 1

inches
0 1 2
0 1 2 3 4 5
centimetres

BRITISH COLUMBIA GEOLOGICAL SURVEY

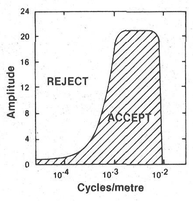
This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

Flight Line

2118 — Fiducial 2120 (Not recovered from film)
— Fiducial 2118 (Recovered from film)
— Fiducial 2110 (Not recovered from film)
2104 — Fiducial 2104 (Recovered from film)
301 — Line number and Flight direction

ISOMAGNETIC LINES
(enhanced field)

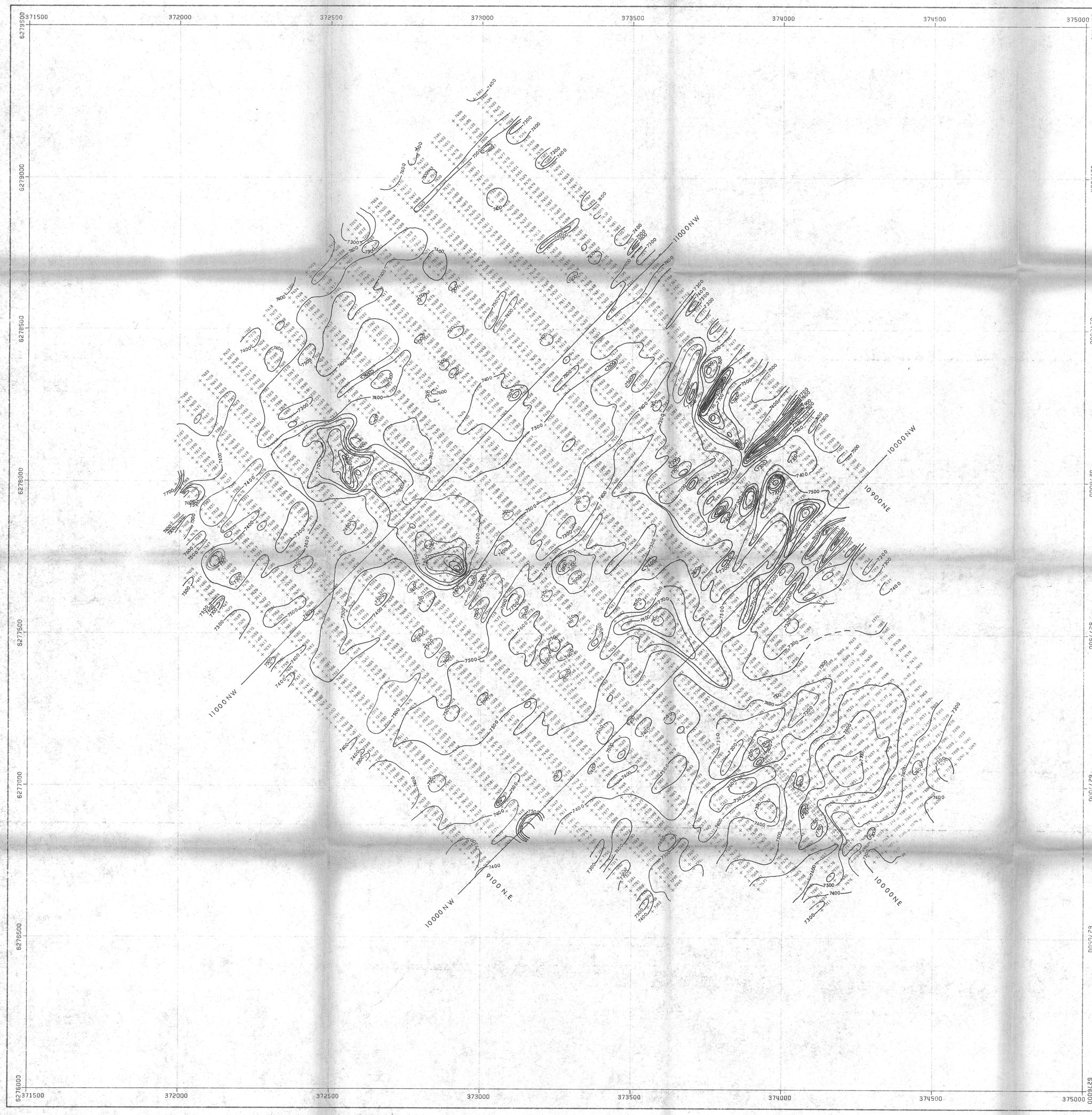
5000 — 5 000 nT
1000 — 1 000 nT
200 — 200 nT
100 nT
magnetic depression



Frequency response of magnetic operator

FIGURE 27.

JOB	DATE	DRAWN BY	CHECKED BY
176	SEPT./83	PM	R.D.



SKYLINE MAGNETIC DATA

DATA FROM BOTH 1982 AND 1983 ARE POSTED HERE. THE TWO SETS OF DATA HAVE NOT BEEN LEVELLED WITH RESPECT TO EACH OTHER BUT THEY APPEAR TO MATCH TO ABOUT 20 GAMMAS BY INSPECTION OF OVERLAPPING DATA.
THE DATA FROM 1983 LYING WITHIN THE 1982 GRID ON THE GLACIER HAS NOT BEEN PLOTTED. ALSO, THE DATA FROM 1982 DONE ABOUT THE CLOUTIER ZONE HAS NOT BEEN PLOTTED AS THE 1983 DATA IS BETTER IN THIS AREA.

DATA PLOTTED ON THIS MAP:

	FIELD	FILE
× POINTS:	MAG	EXPL*V154.MERGEDMAG

Magnetic Base = 50,000 nT

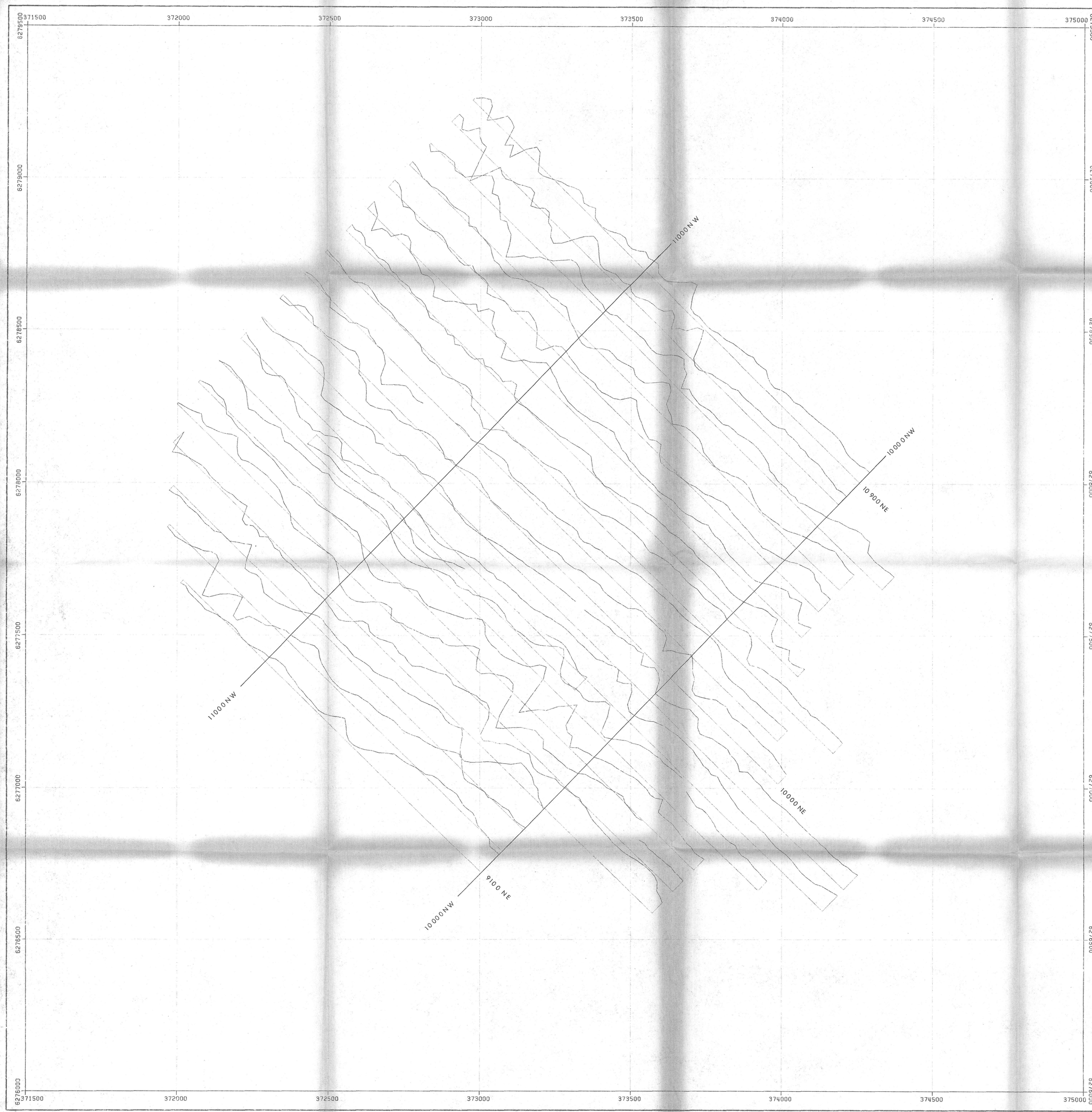
DIRECTION OF NORTH AT CENTRE OF MAP

0 125 250 375 500
METRES

FIGURE 28.

PLACER DEVELOPMENT LIMITED

DRAWN PLK	SKYLINE MAGNETIC DATA
DATE 83/08/09.	
SCALE 1:5000	
NO.	



DATA PLOTTED ON THIS MAP:

	FIELD	FILE
PROFILES: IP		EXPL.VIS4.VLF83/1P-S1
SCALE:	-20.0 UNITS / CM	
BASE LEVEL:	0.0	

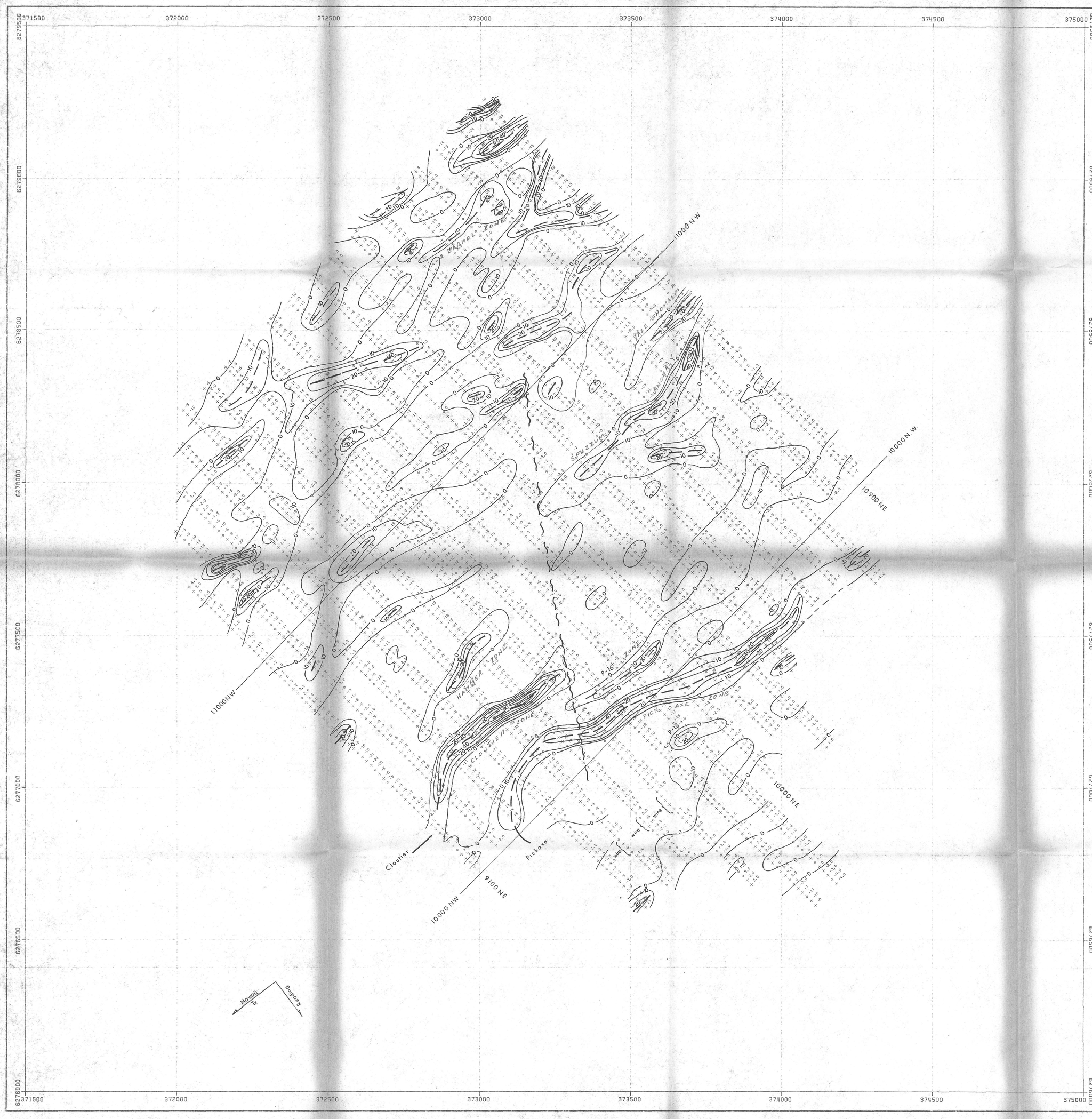
DIRECTION OF NORTH AT CENTRE OF MAP

0 125 250 375 500
METRES

FIGURE 29A

PLACER DEVELOPMENT LIMITED

DRAWN PLK	SKYLINE VLF (IN-PHASE)
DATE 83/09/09	
SCALE 1:5000	
	NO.



SKYLINE 1983 VLF (FRASER FILTER)

DATA PLOTTED ON THIS MAP:

	FIELD	FILE
× POINTS:	FF	EXPL*V154.VLF83/FF-FORP

DIRECTION OF NORTH AT CENTRE OF MAP

0 125 250 375 500
METRES

FIGURE 29B

PLACER DEVELOPMENT LIMITED

DRAWN PLK	SKYLINE 1983 VLF (FRASER FILTER)
DATE 83/08/11	
SCALE 1:5000	
	NO.

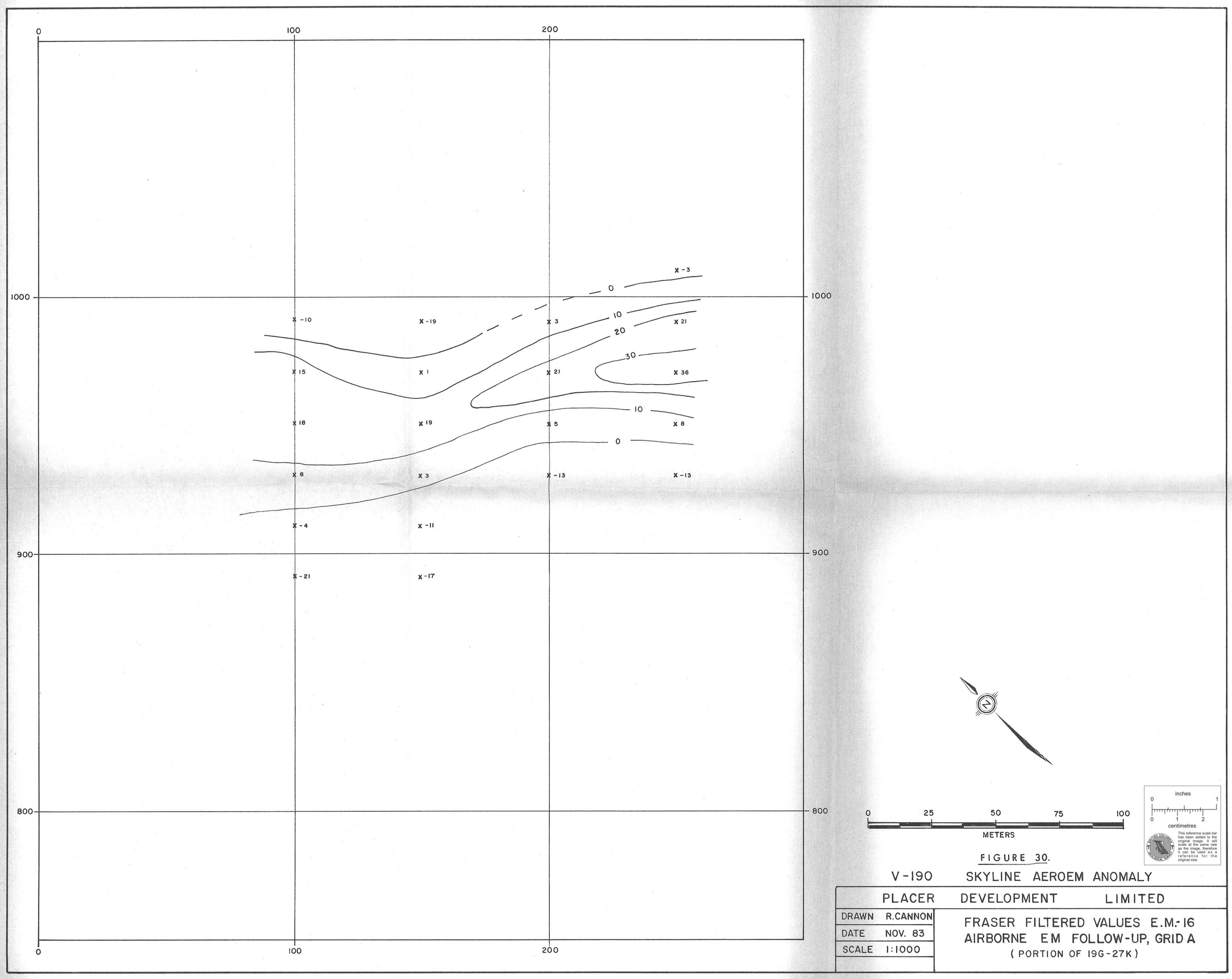


FIGURE 30.

V-190 SKYLINE AEROEM ANOMALY

PLACER DEVELOPMENT LIMITED

DRAWN	R.CANNON
DATE	NOV. 83
SCALE	1:1000

FRASER FILTERED VALUES E.M.-16
AIRBORNE EM FOLLOW-UP, GRID A
(PORTION OF 19G-27K)

Stream and Sediment Samples Collected 1982 ,1983.

SAMPLE	CU ppm	ZN ppm	PB ppm	AG ppm	AU ppm	AS ppm	MO ppm	MN ppm	HG ppb	SB ppm
100	79	111	15	0.4	< 0.02	4				
101	61	91	11	0.3	< 0.02	6				
102	45	140	24	0.3	< 0.02	12				
103	90	271	67	0.2	0.08	18				
104	35	237	40	0.4	0.27	20				
105	77	510	200	2.5	< 0.02	86				
106	72	364	112	1.2	< 0.02	122				
107	51	200	56	1.3	< 0.02	90				
108	94	138	27	0.5	< 0.02	22				
109	48	88	67	0.2	< 0.02	20				
110	61	120	54	0.6	< 0.02	16				
111	126	860	163	1.2	0.02	38				
112	80	334	65	0.8	0.04	18				
113	90	260	40	0.6	< 0.02	16				
114	79	300	97	1.3	0.08	34				
115	69	203	47	1.8	< 0.02	86				
116	72	165	44	1.6	< 0.02	2				
117	56	190	32	1.0	< 0.02	50				
118	73	540	66	1.8	< 0.02	124				
119	35	146	31	0.3	< 0.02	24				
120	55	116	21	1.0	< 0.02	22				
121	33	156	21	0.3	< 0.02	18				
122	43	152	22	0.5	< 0.02	50				
123	48	177	70	0.7	< 0.02	26				
124	36	300	43	0.3	< 0.02	18				
125	204	188	75	1.6	2.16					
126	87	420	50	1.0	< 0.02					
127	138	380	35	1.0	0.03					
128	63	207	39	0.8	< 0.02					
200	140	124	32	0.6	< 0.02	40				
201	57	90	12	0.6	< 0.02	12				
201*	54	90	13	0.5	0.06	10				
202	59	160	47	0.5	0.21	12				
203	37	105	22	0.3	< 0.02	10				
204	100	610	215	0.3	0.05	30				
205	104	530	64	0.3	< 0.02	20				
206	118	317	78	0.2	< 0.02	10				
207	106	290	76	0.2	< 0.02	8				
208	122	152	29	< 0.2	< 0.02	4				
209	30	103	20	< 0.2	< 0.02	4				
210	94	190	30	0.9	< 0.02	46				
210*	91	172	24	0.8	< 0.02	44				
211	97	430	64	1.4	< 0.02	102				
212	101	275	35	1.2	< 0.02	100				
JS 3	37	169	23	0.2	< 0.02	2	< 1			
JS 7	90	590	52	0.3	1.87	2	< 1			
JS 8	37	388	34	0.2	0.12	2	< 1			
JS 9	15	150	23	< 0.2	0.02	< 2	< 1			
JS 10	16	79	17	0.2	< 0.02	< 2	< 1			
JS 11	53	390	39	< 0.2	0.76	2	< 1			
JS 12	30	228	105	0.4	< 0.02	< 2	< 1			
JS 12 *	29	210	90	0.5	0.28	2	< 1			
JS 12 *					0.10					
JS 16	79	238	180	0.8	0.03	14	4	1450	18	< 2
JS 17	82	388	253	0.3	0.06	14	3	1250	28	2
JS 20	95	330	236	1.0	0.08	18	3	1440	24	< 2

Rock Samples

SAMPLE	CU ppm	ZN ppm	PB ppm	AG ppm	AU ppm	AS ppm	MO ppm			
64776	12	44	26	< 0.2	< 0.02					
64777	43	62	5	0.3	< 0.02					
64778	4	40	7	0.2	< 0.02					
64779	139	1.85%	0.50%	16	0.05					
64780	40	920	0.55%	15	< 0.02					
64781	21	60	370	2.3	< 0.02					
64782	42	119	143	0.7	< 0.02					
64783	490	107	8	0.4	0.05					
64784	85	36	7	0.4	0.07					
64785	32	26	7	0.6	0.10					
64786	1090	139	12	1.7	0.27					
64787	192	40	11	0.5	0.08					
64788	1570	138	8	2.4	0.13					
74601	94	79	26	2.4	< 0.02	< 2				
74602	34	22	11	< 0.2	< 0.02	< 2				
74603	14	22	8	0.4	< 0.02	< 2				
74604	9	30	15	0.2	< 0.02	< 2				
74605	750	760	53	2.0	0.49	18				
J 1	16	45	11	0.3	< 0.02					
J 2	142	790	201	1.0	< 0.02					
J 13	43	365	500	1.7	0.02	18	4			
J 14	98	770	295	4.0	0.14	32	6			
J 15	25	127	80	0.7	0.02	6	4			
J 18	18	246	332	1.9	< 0.02	10	7			
J 19	420	1.62%	0.98%	6.0	0.15	16	7			

Notes :

1.-For results of heavy mineral samples please refer to table .

2.-For results of samples collected by Skyline personnel please refer to tables and .

Legend

Stream sediment sample –80 mesh ●

Stream sediment heavy mineral sample ▲

Rock chip sample in place ■

Rock chip sample loose (float) □

DRAWN: B.G.	SCALE: 1:20,000	PLACER DEVELOPMENT LIMITED	
DRAFTING: A.K	DATE: DEC., 1983	SKYLINE – JOHNNY MTN.	
APPROVED:	REVISED:		FILE REF. No. :

FIGURE 32.

CLAIM BLOCK SAMPLING

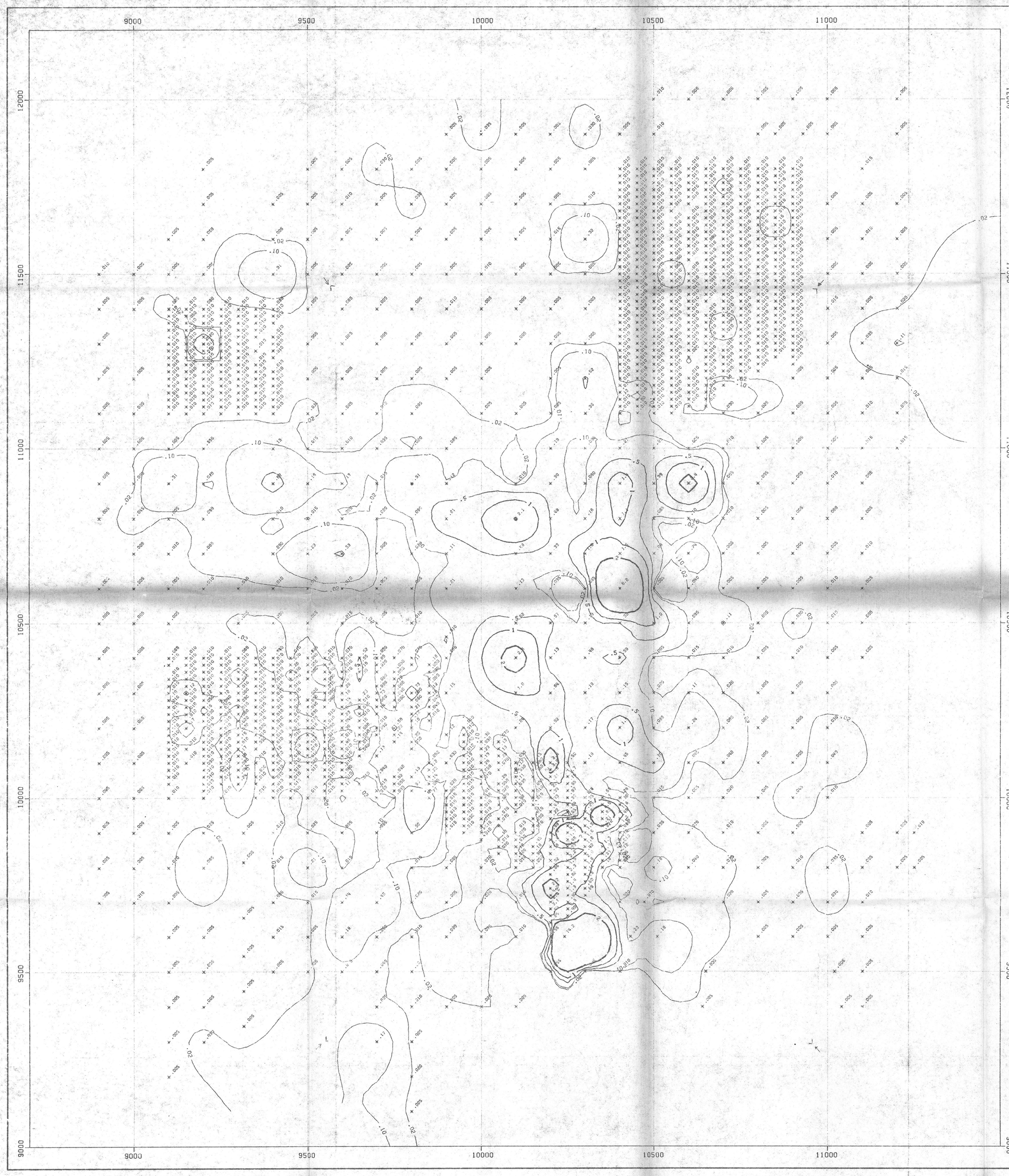
STREAM-SEDIMENT – ROCK .

inches 0 1 2

0 1 2 3 4 5 centimetres

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

BRITISH COLUMBIA GEOLOGICAL SURVEY



SKYLINE SOIL : AU GEOCHEM

GEOCHEM: ACME AND PLACER DATA
NOTE : ALL VALUES IN PPM
GEOCHEM ACME AND PLACER DATA

DATA PLOTTED ON THIS MAP:

	FIELD	FILE
+ CONTOURS:	AU	EXPL*V-190.SOIL/ASSAYSA
× POINTS:	AU	EXPL*V-190.SOIL/ASSAYSA

DIRECTION OF NORTH AT CENTRE OF MAP

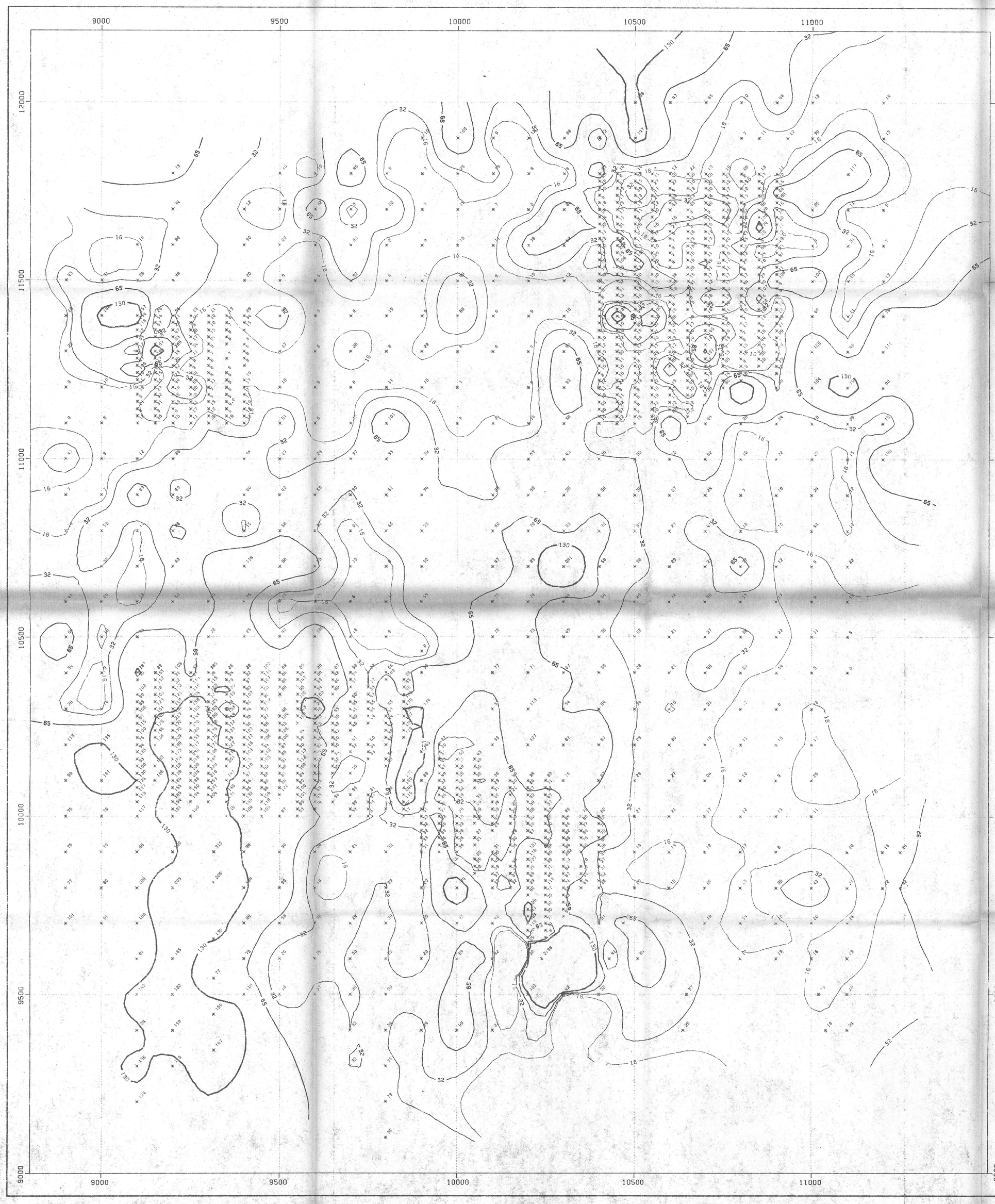
0 125 250 375 500
METRES

inches
0 1
0 1 2
centimetres

This reference scale be used as a guide for the original image. It will scale at the same rate as the original image. It can be used as a reference for the original size.

FIGURE 33.

PLACER DEVELOPMENT LIMITED	
DRAWN BWB	SKYLINE SOIL : AU GEOCHEM
DATE 83/11/18	
SCALE 1:5000	
	NO.



SKYLINE SOIL : CU GEOCHEM

GEOCHEM ACME AND PLACER
ALL VALUES IN PPM

DATA PLOTTED ON THIS MAP:

	FIELD	FILE
+ CONTOURS:	CU	EXPL*V-190.SOIL/ASSAYSA
× POINTS:	CU	EXPL*V-190.SOIL/ASSAYSA

DIRECTION OF NORTH AT CENTRE OF MAP

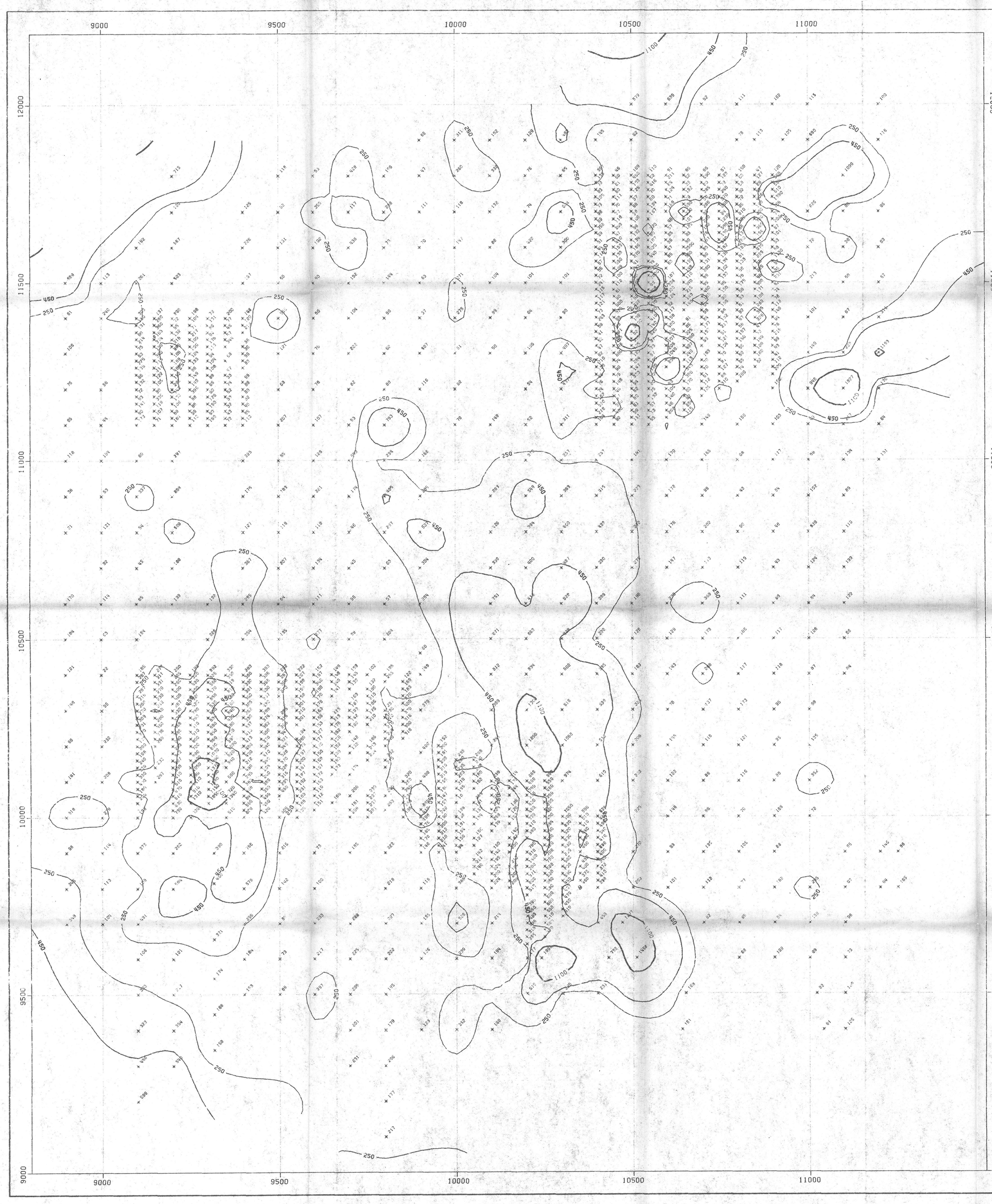
0 125 250 375 500
METRES

inches
0 1
0 1 2
centimetres

The reference scale bar has been added to the original image. It will scale at the same rate as the original image. It can be used as a reference for the original size.

FIGURE 34

PLACER DEVELOPMENT LIMITED	
DRAWN BWB	SKYLINE SOIL : CU GEOCHEM
DATE 83/11/18	
SCALE 1:5000	
	NO.



SKYLINE SOIL: ZN GEOCHEM

ACME AND PLACER DATA
ALL VALUES IN PPM

DATA PLOTTED ON THIS MAP:

	FIELD	FILE
+ CONTOURS:	ZN	EXPL*V-190.SOIL/ASSAYSA
× POINTS:	ZN	EXPL*V-190.SOIL/ASSAYSA

DIRECTION OF NORTH AT CENTRE OF MAP

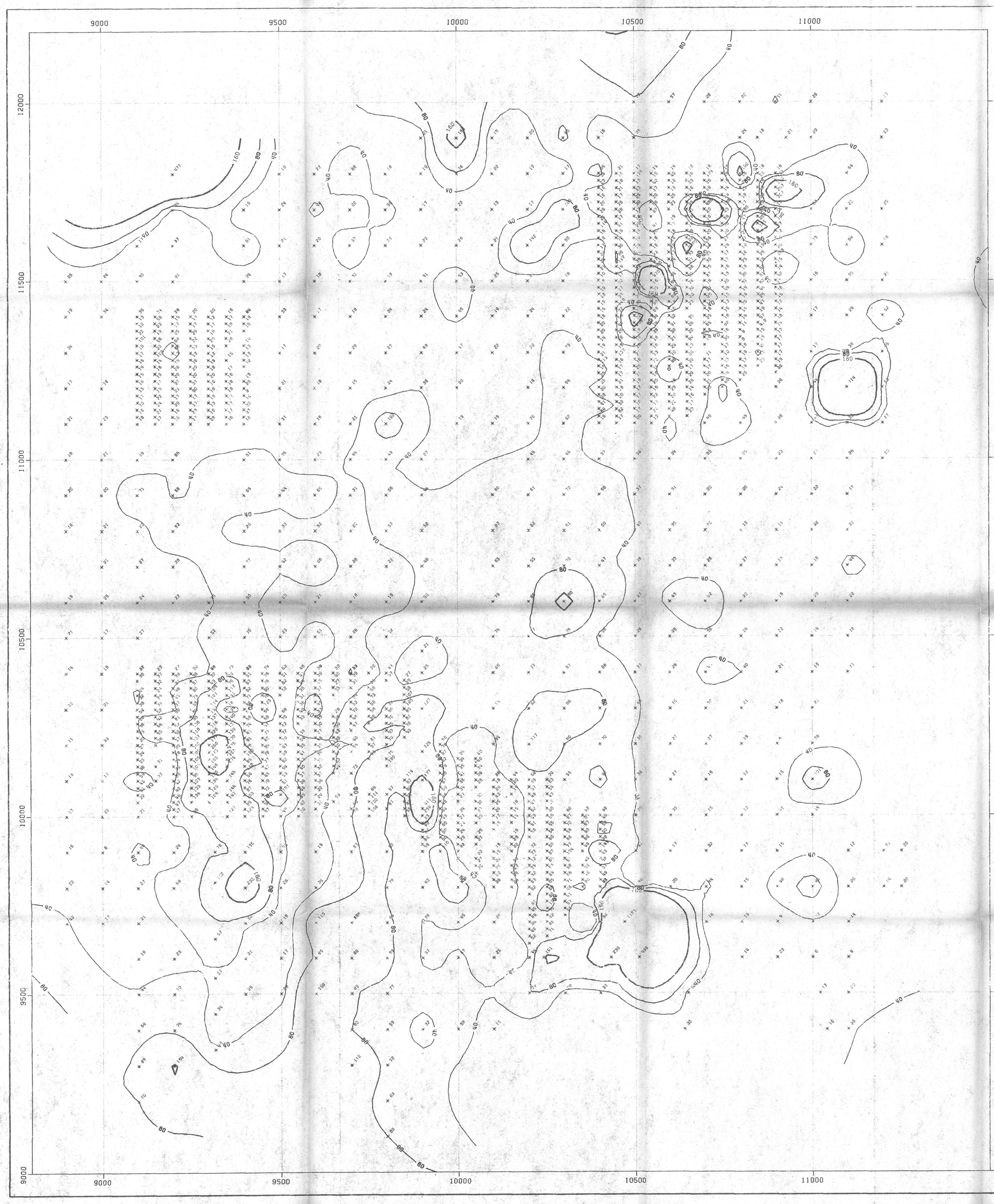
0 125 250 375 500
METRES

inches
0 1
0 2
centimetres

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

FIGURE 35.

PLACER DEVELOPMENT LIMITED	
DRAWN BWB	SKYLINE SOIL: ZN GEOCHEM
DATE 83/11/18	
SCALE 1:5000	
	NO.



SKYLINE SOIL: PB GEOCHEM

ACME AND PLACER DATA
ALL VALUES IN PPM

DATA PLOTTED ON THIS MAP:

	FIELD	FILE
+ CONTOURS:	PB	EXPL*V-190.SOIL/ASSAYSA
× POINTS:	PB	EXPL*V-190.SOIL/ASSAYSA

DIRECTION OF NORTH AT CENTRE OF MAP

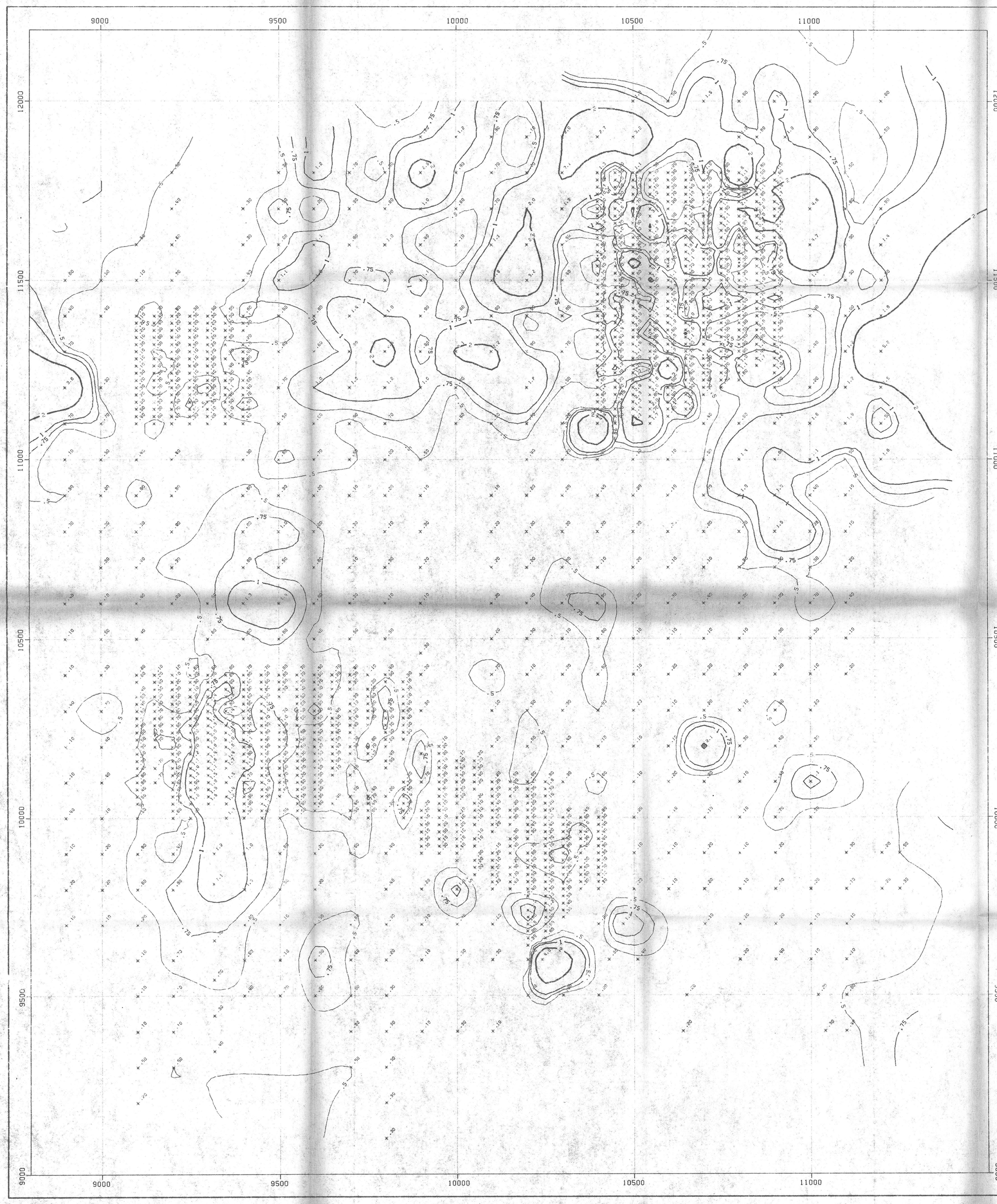
0 125 250 375 500
METRES

inches
0 1
0 1 2
centimetres

This reference scale bar has been added to the original image. It will scale with any copy made from the image, therefore it can be used as a reference for the original size.

FIGURE 36

PLACER DEVELOPMENT LIMITED	
DRAWN BWB	SKYLINE SOIL: PB GEOCHEM
DATE 83/11/18	
SCALE 1:5000	
	NO.



SKYLIN SOIL : AG GEOCHEM

ACME AND PLACER DATA
ALL VALUES IN PPM

DATA PLOTTED ON THIS MAP:

	FIELD	FILE
+ CONTOURS:	AG	EXPL*V-190.SOIL/ASSAYSA
× POINTS:	AG	EXPL*V-190.SOIL/ASSAYSA

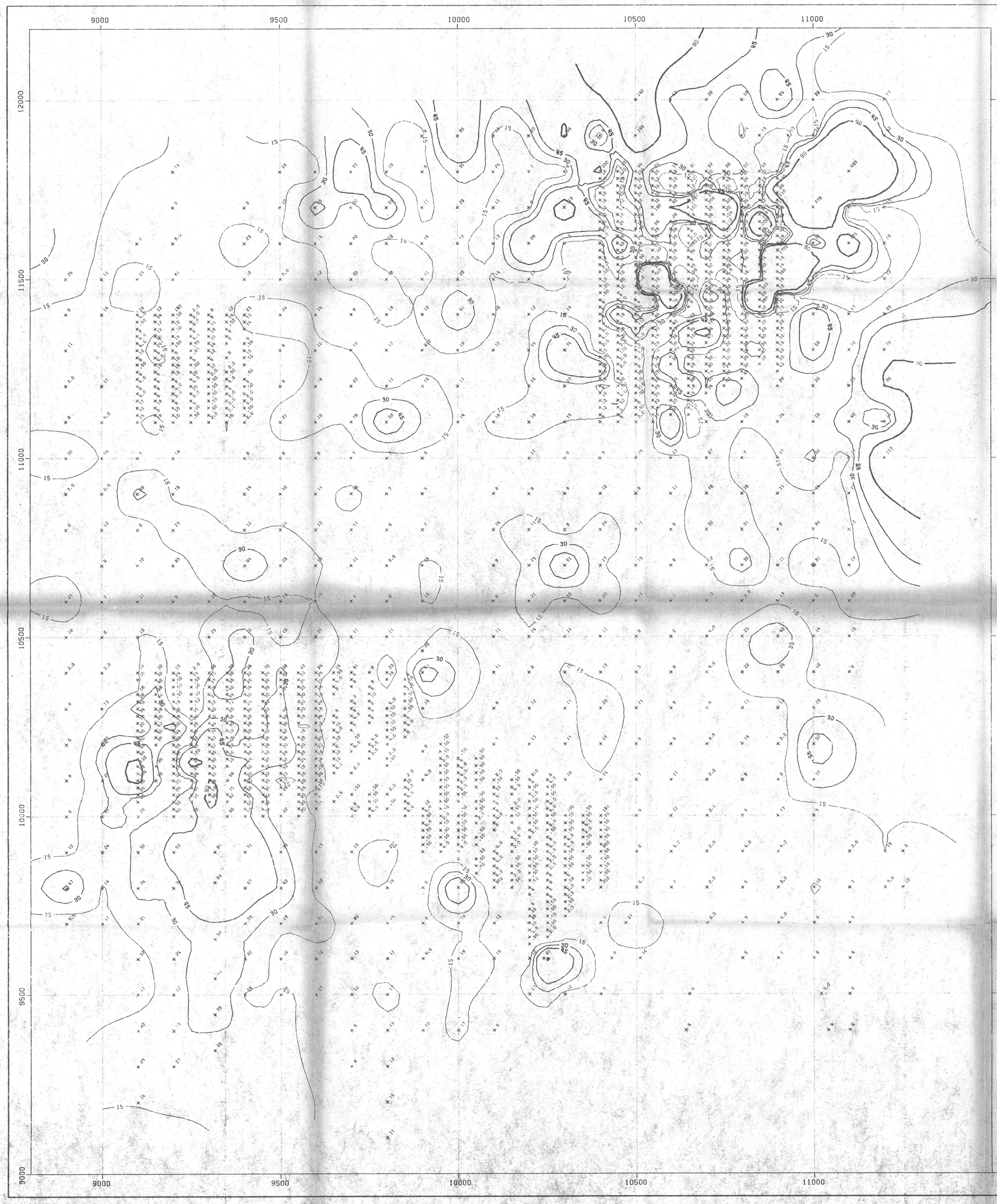
DIRECTION OF NORTH AT CENTRE OF MAP

0 125 250 375 500
METRES

FIGURE 37.

PLACER DEVELOPMENT LIMITED

DRAWN BWB	SKYLINE SOIL : AG GEOCHE
DATE 83/11/18	
SCALE 1:5000	
	NO.



SKYLINE SOIL : AS GEOCHEM

ACME AND PLACER DATA
ALL VALUES IN PPM

DATA PLOTTED ON THIS MAP:

	FIELD	FILE
+ CONTOURS:	AS	EXPL*V-190.SOIL/ASSAYSA
× POINTS:	AS	EXPL*V-190.SOIL/ASSAYSA

DIRECTION OF NORTH AT CENTRE OF MAP

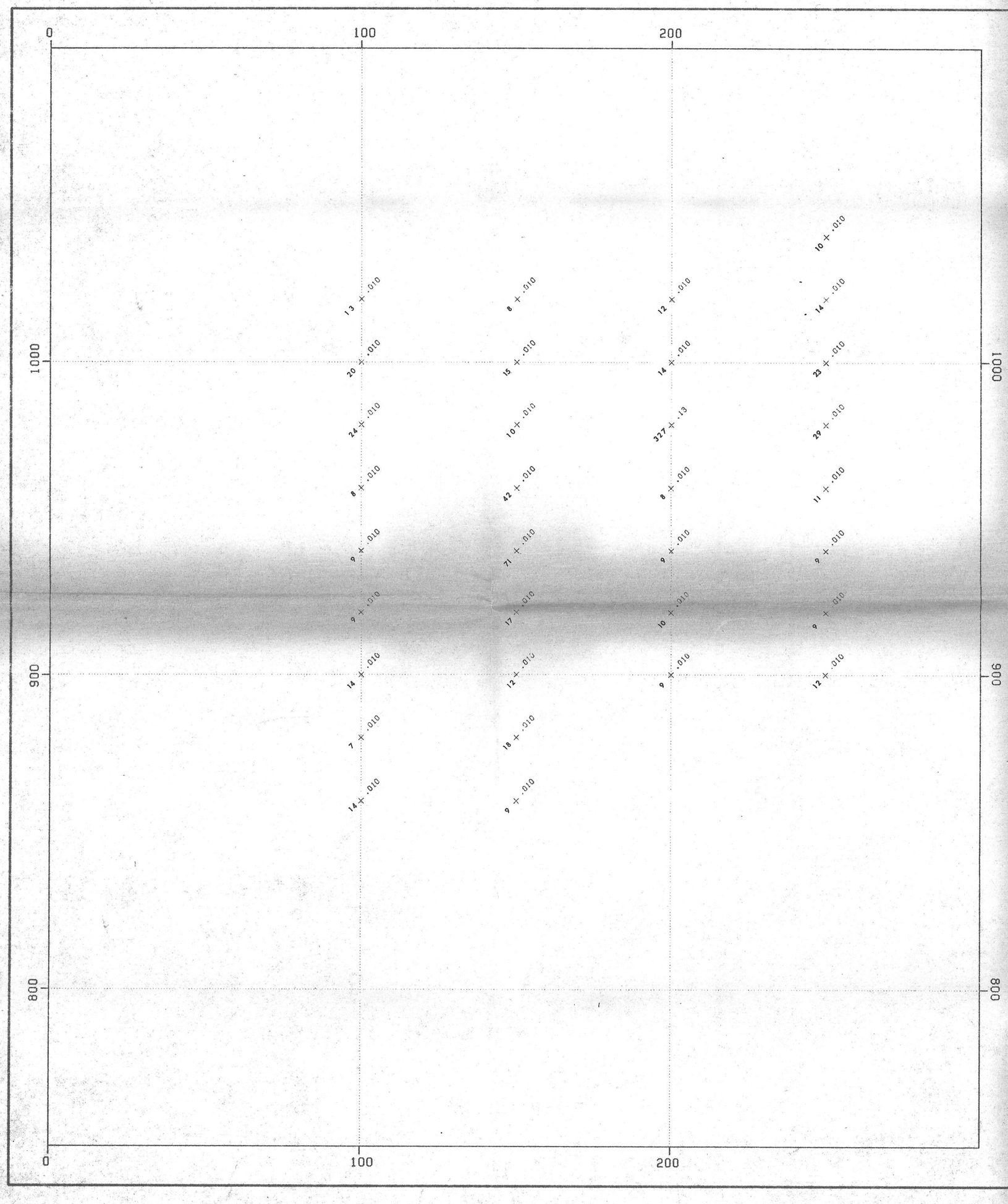
0 125 250 375 500
METRES

inches
0 1
0 1 2
centimetres

This reference scale bar has been added to the original image. It will scale at the same rate as the original image. It can be used as a reference for the original size.

FIGURE 38.

PLACER DEVELOPMENT LIMITED	
DRAWN BWB	SKYLINE SOIL : AS GEOCHEM
DATE 83/11/18	
SCALE 1:5000	
	NO.



AEROMAG ANOMALY

DATA PLOTTED ON THIS MAP:

FIELD FILE

Cu + Au

DIRECTION OF NORTH AT CENTRE OF MAP

0 25 50 75 100

METRES

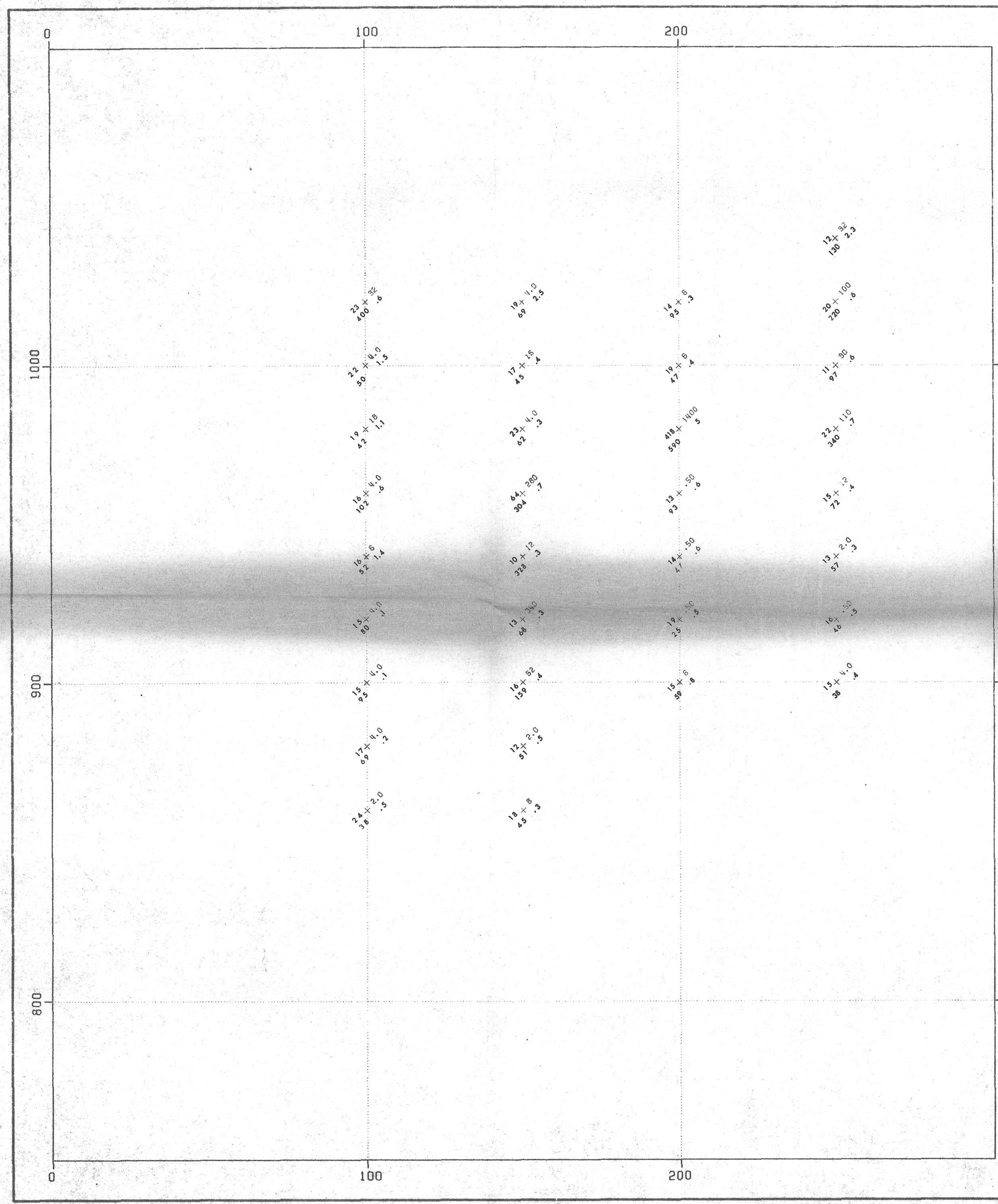
inches 0 1

0 1 2 centimetres

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

FIGURE 57.

PLACER DEVELOPMENT LIMITED	
DRAWN BWB	AEROMAG ANOMALY
DATE 83/10/18	GRID A
SCALE 1:1000	SKYLINE — JOHNNY MOUNTAIN
	NO.



AEROMAG ANOMALY

DATA PLOTTED ON THIS MAP:

FIELD FILE

Pb + As
Zn Ag

DIRECTION OF NORTH AT CENTRE OF MAP

0 25 50 75 100

METRES

inches 0 1

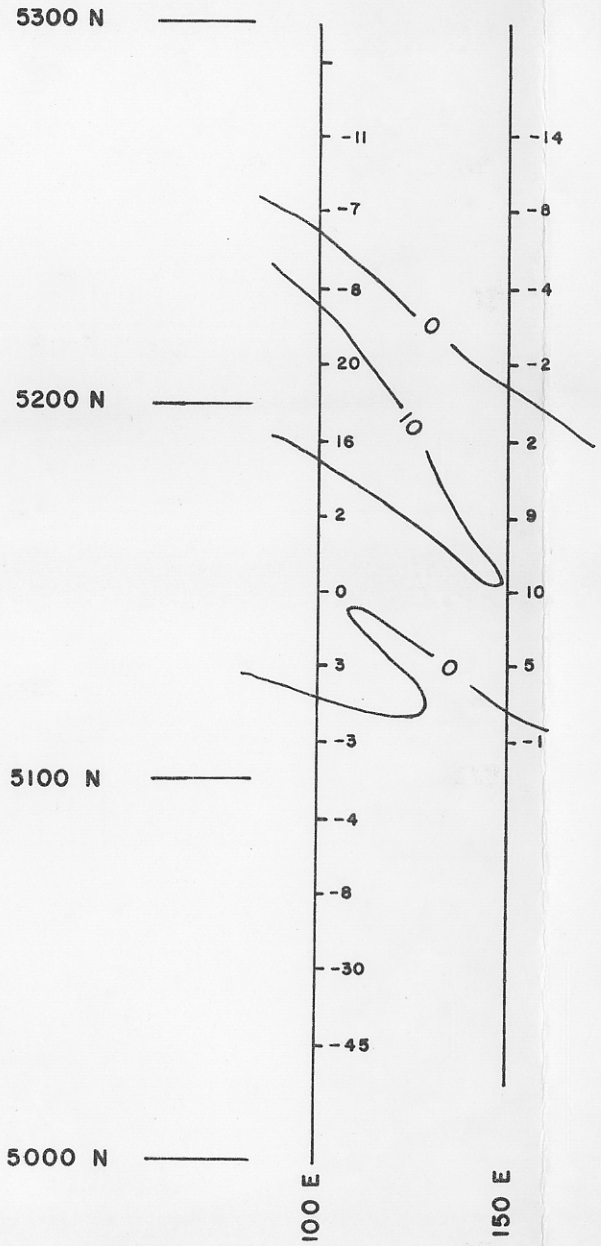
0 1 2

centimetres

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

FIGURE 58.

PLACER DEVELOPMENT LIMITED	
DRAWN BWB	AEROMAG ANOMALY
DATE 83/10/18	GRID A
SCALE 1:1000	SKYLINE —— JOHNNY MOUNTAIN
	NO.



SCALE 1:2000

FIGURE 31.

PLACER DEVELOPMENT LIMITED
V-190 SKYLINE AEROEM ANOMALY
FRASER FILTERED VALUES E.M-16
AIRBORNE EM FOLLOW-UP
GRID B
(PORTION OF 15A - 20C)

R. CANNON NOV. 1983

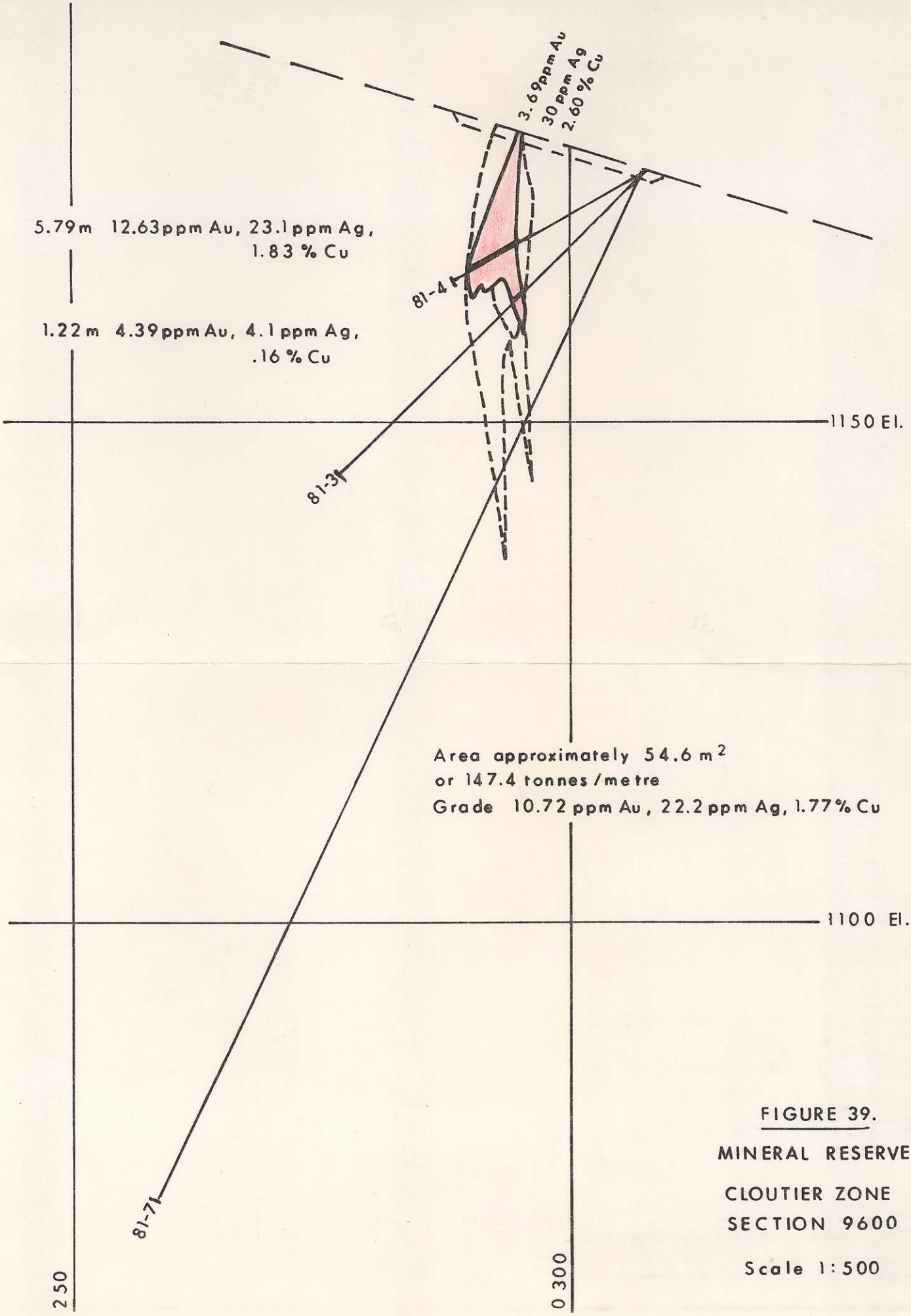


FIGURE 39.

MINERAL RESERVE

CLOUTIER ZONE

SECTION 9600

Scale 1:500

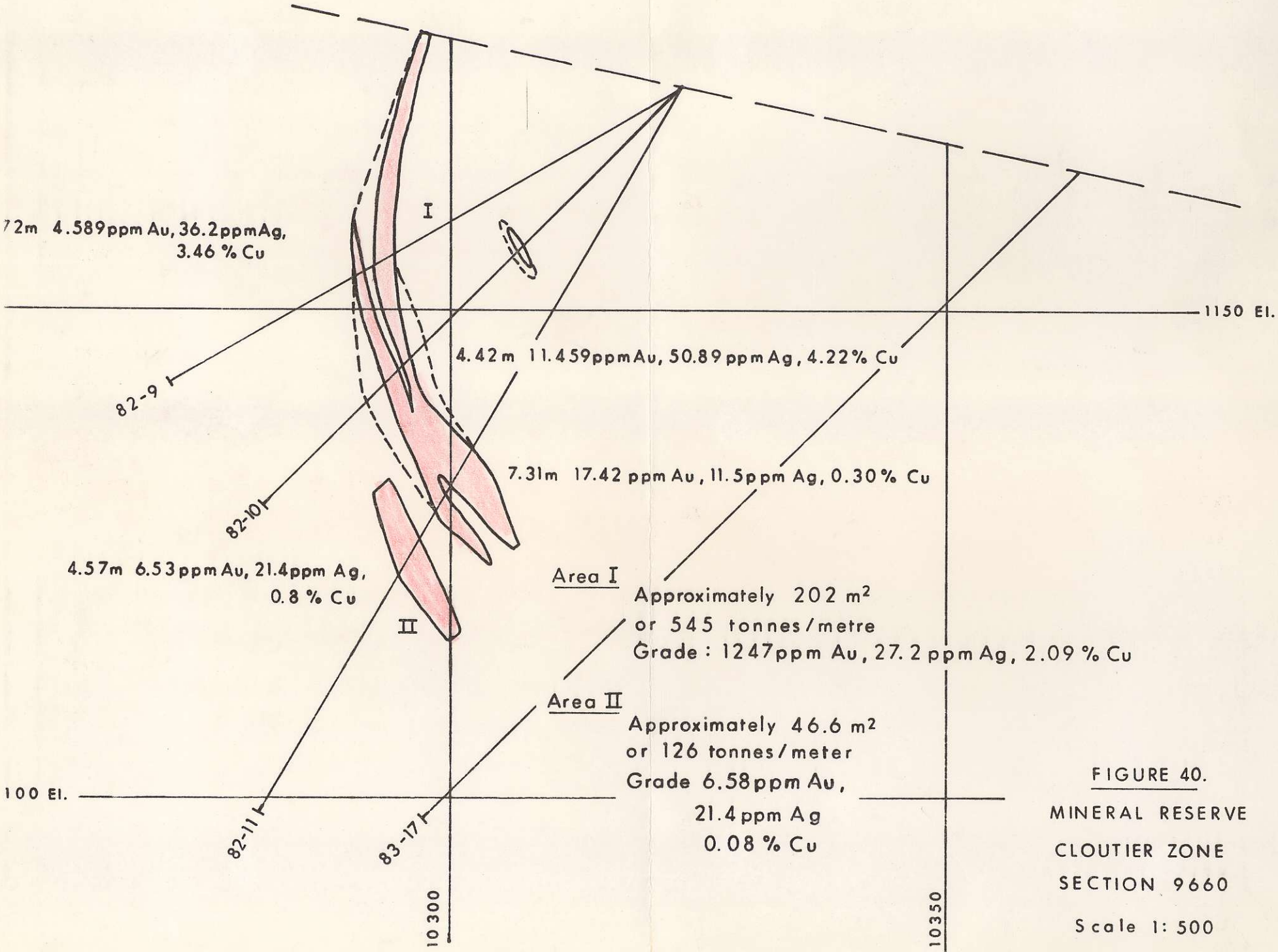


FIGURE 40.

MINERAL RESERVE

CLOUTIER ZONE

SECTION 9660

Scale 1: 500

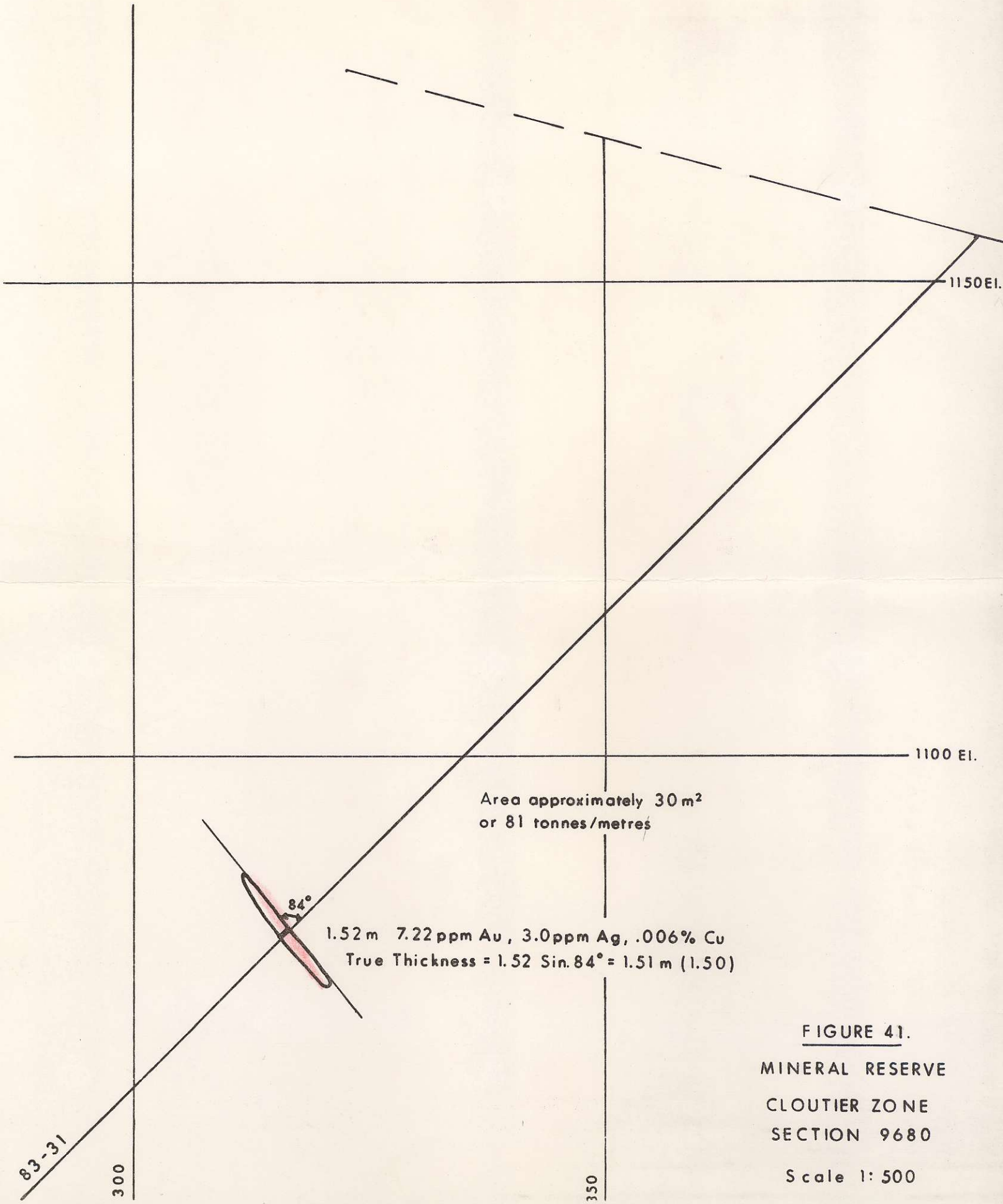


FIGURE 41.

MINERAL RESERVE

CLOUTIER ZONE

SECTION 9680

Scale 1: 500

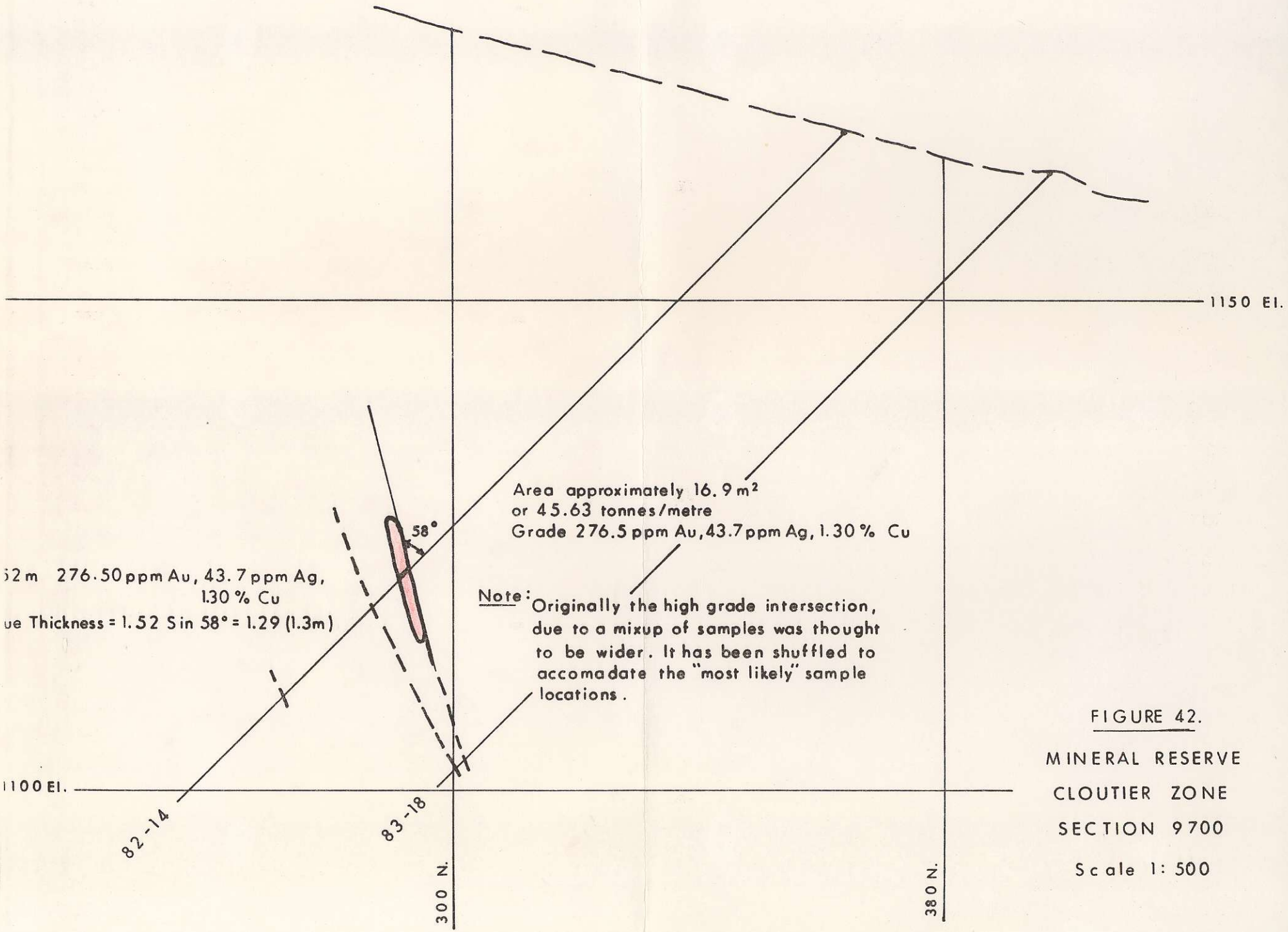


FIGURE 42.

MINERAL RESERVE

CLOUTIER ZONE

SECTION 9700

Scale 1: 500

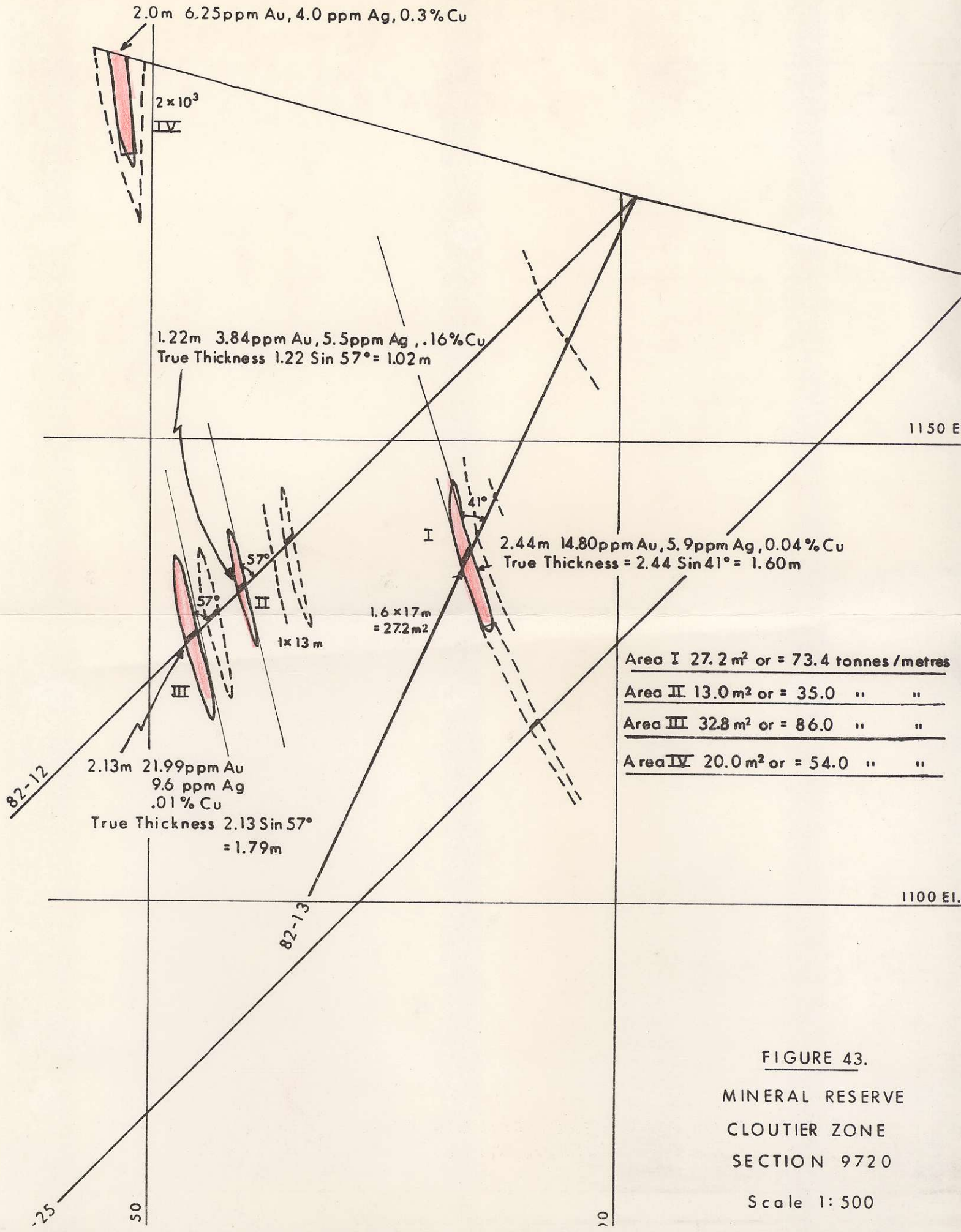


FIGURE 43.

MINERAL RESERVE

CLOUTIER ZONE

SECTION 9720

Scale 1: 500

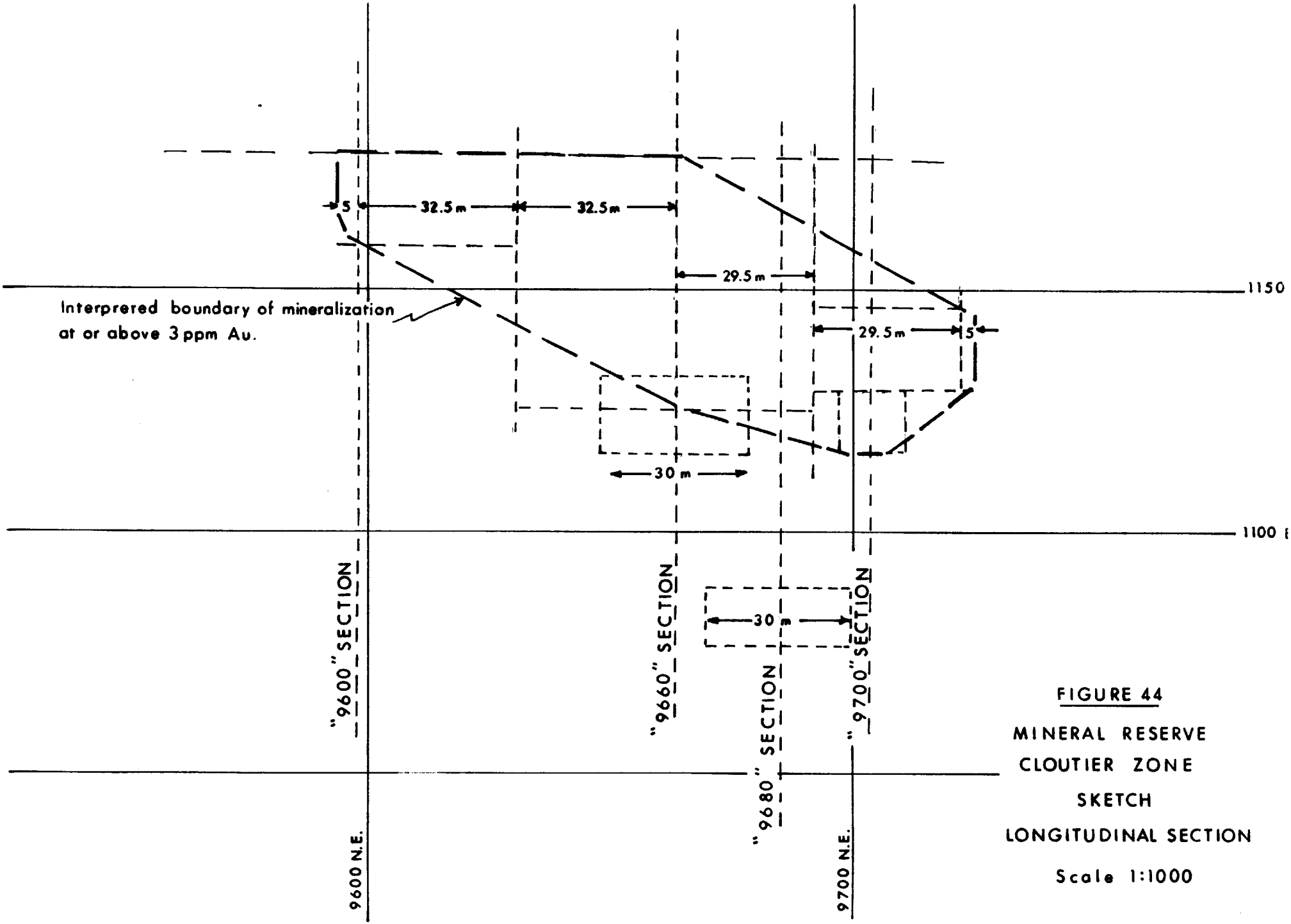


FIGURE 44

MINERAL RESERVE

CLOUTIER ZONE

SKETCH

LONGITUDINAL SECTION

Scale 1:1000

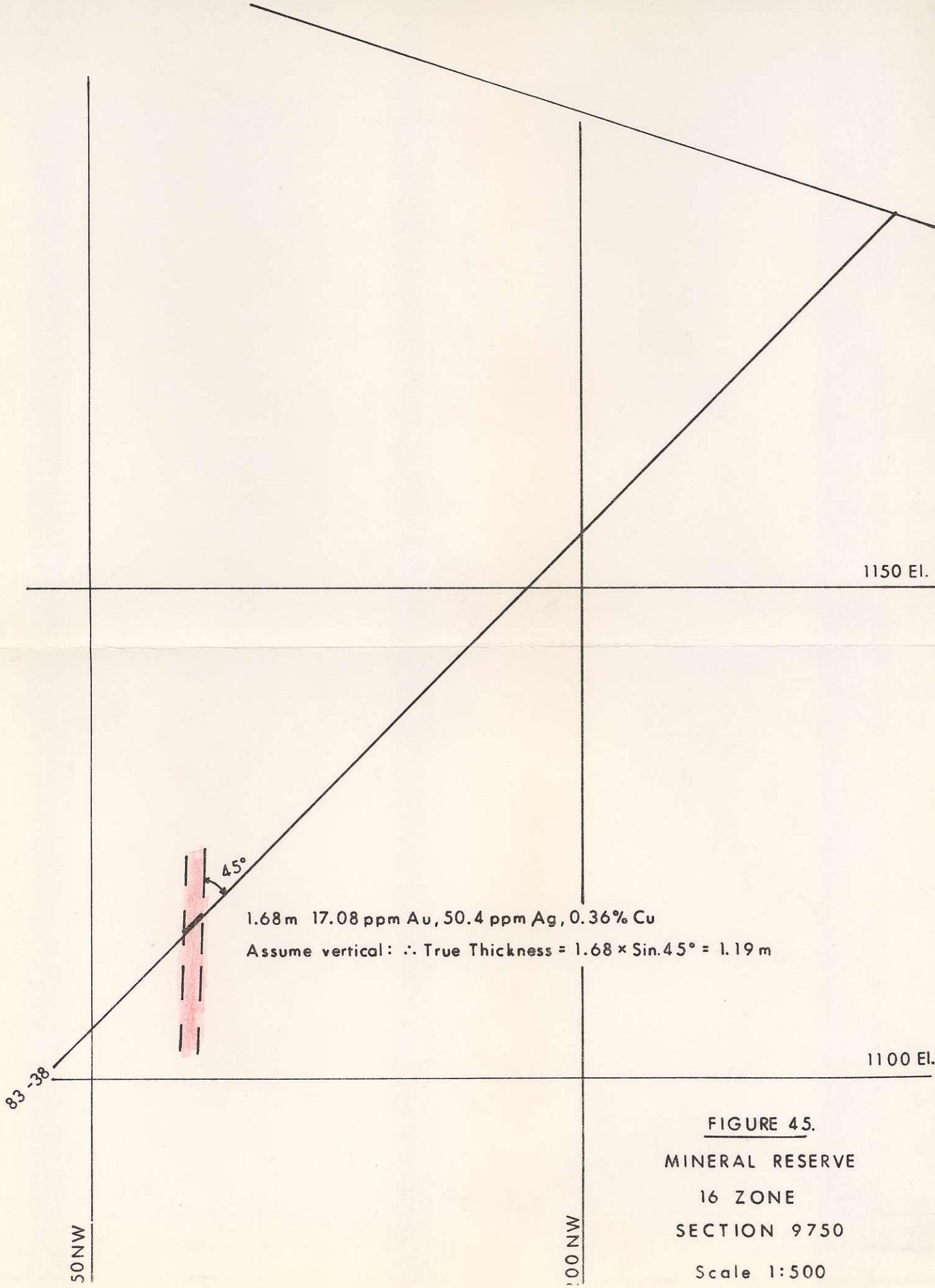


FIGURE 45.

MINERAL RESERVE

16 ZONE

SECTION 9750

Scale 1:500

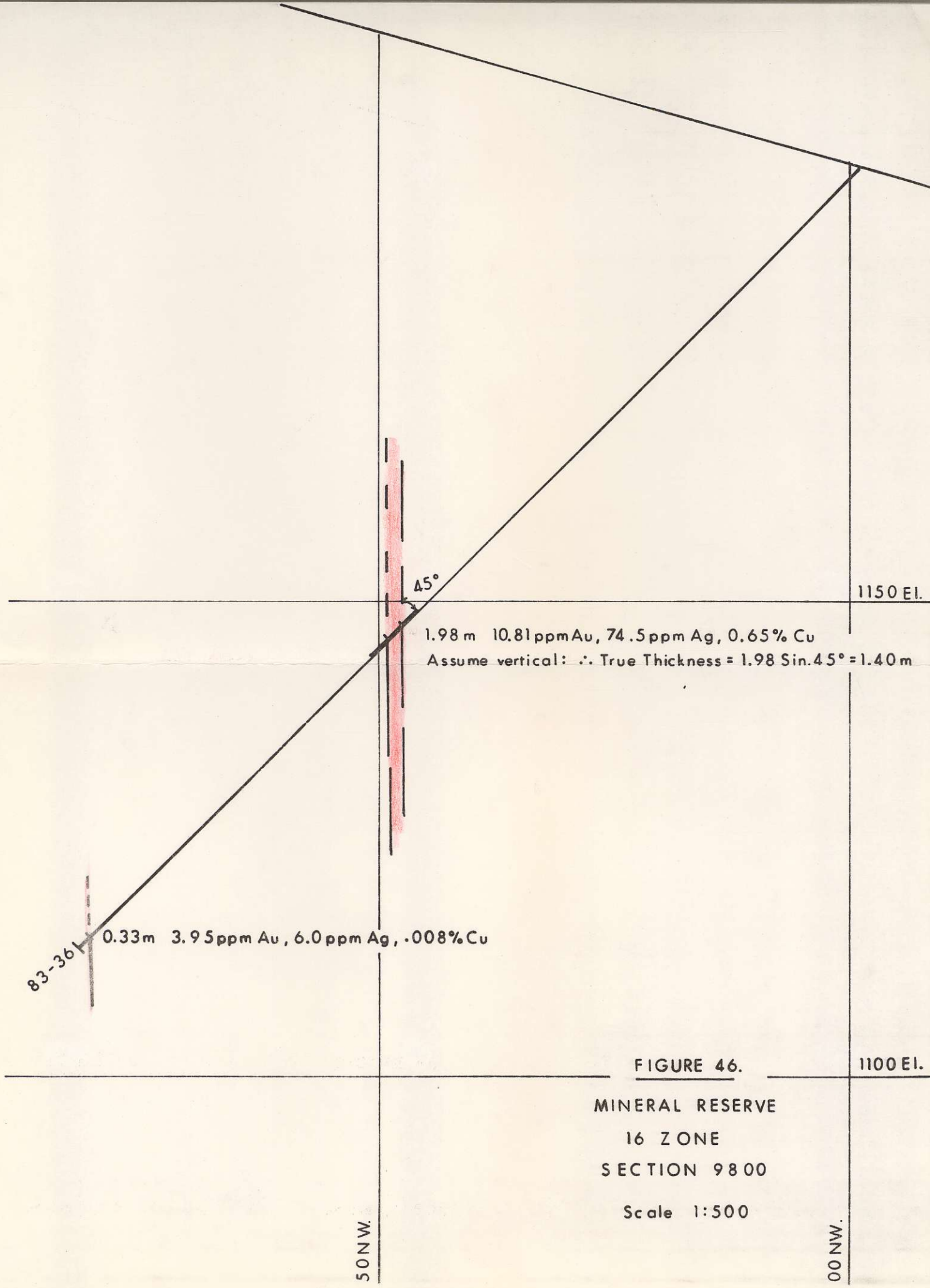


FIGURE 46.

MINERAL RESERVE

16 ZONE

SECTION 9800

Scale 1:500

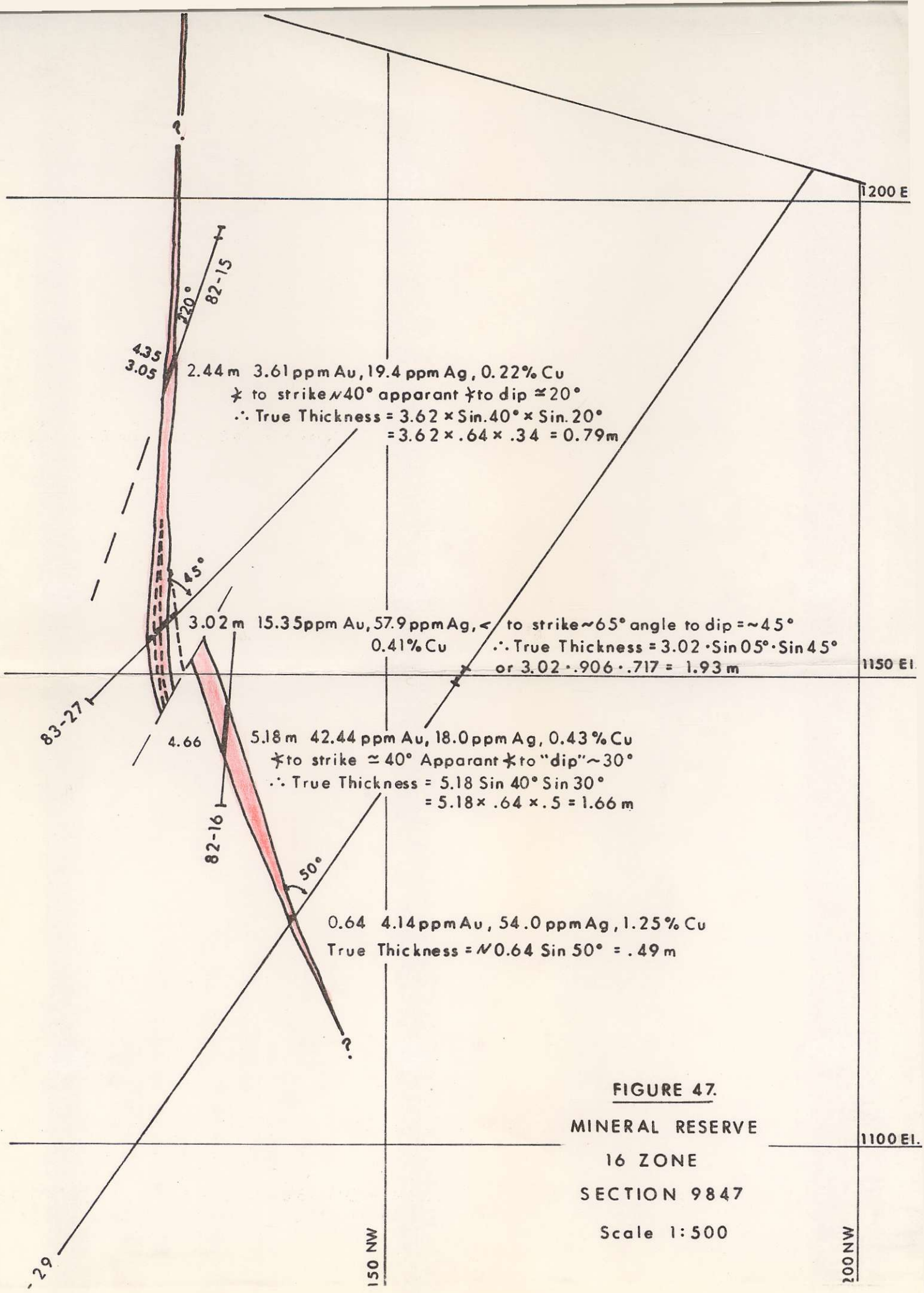


FIGURE 47.

MINERAL RESERVE

16 ZONE

SECTION 9847

Scale 1:500

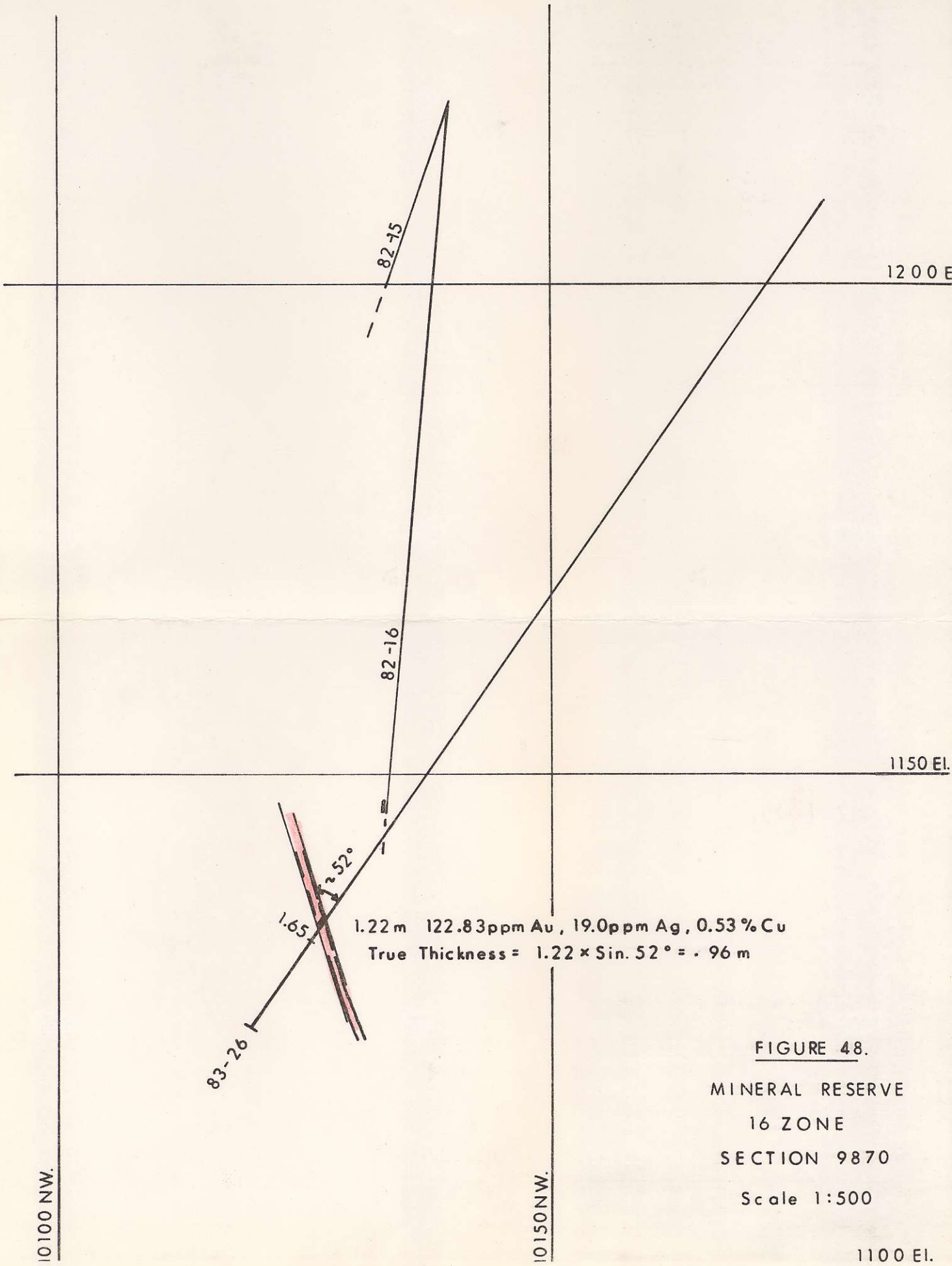


FIGURE 48.

MINERAL RESERVE

16 ZONE

SECTION 9870

Scale 1:500

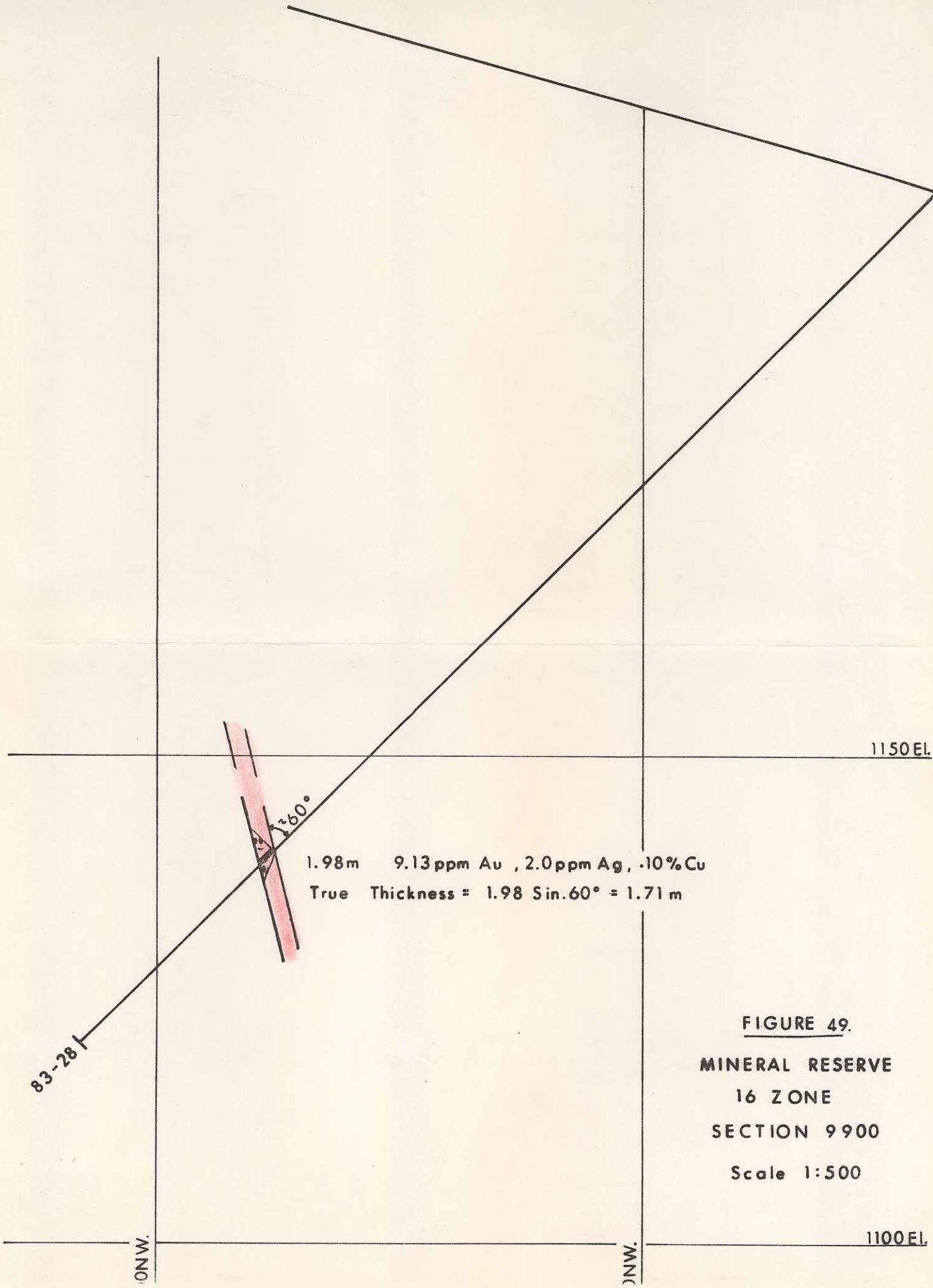


FIGURE 49.

MINERAL RESERVE

16 ZONE

SECTION 9900

Scale 1:500

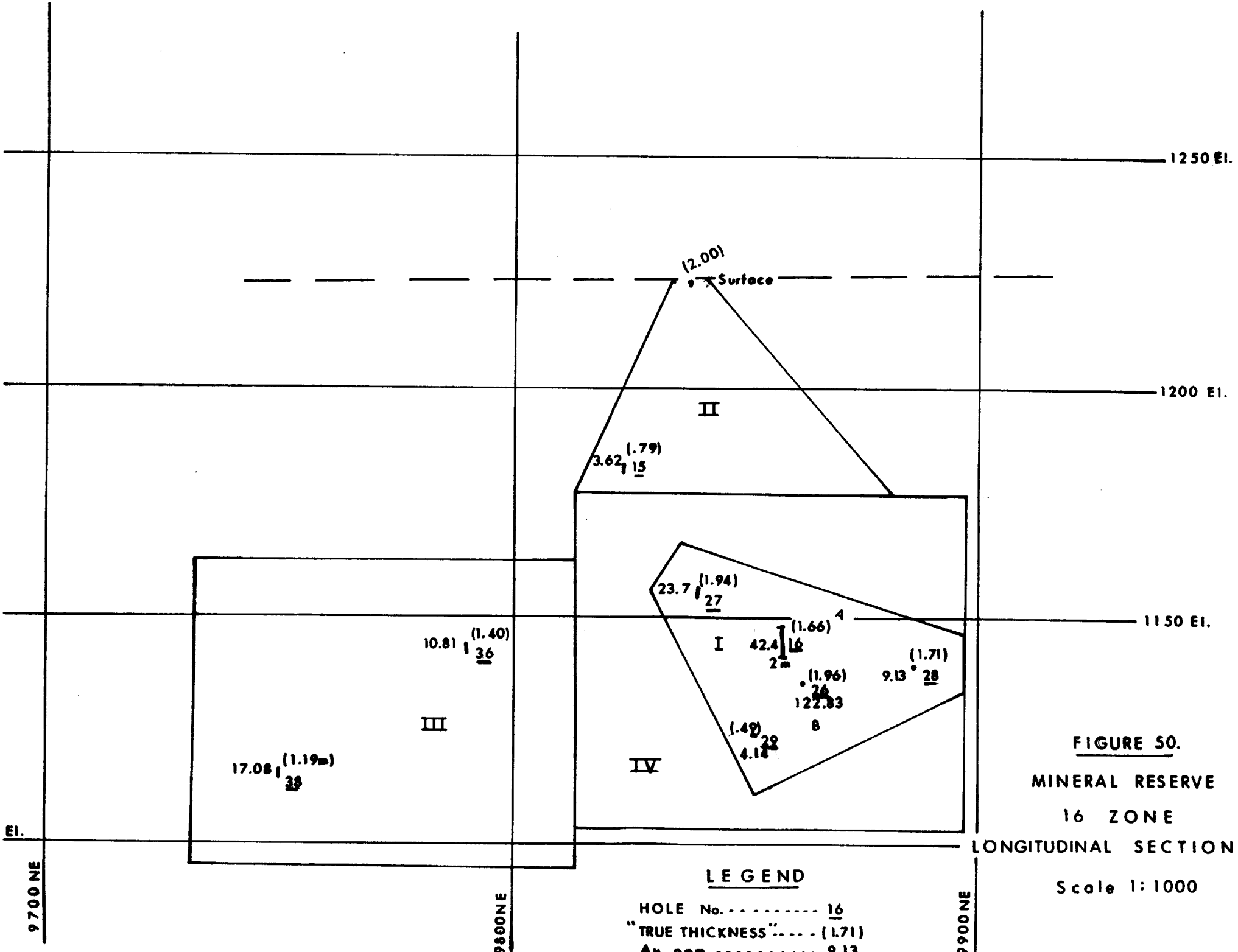


FIGURE 50.

MINERAL RESERVE

16 ZONE

LONGITUDINAL SECTION

Scale 1: 1000

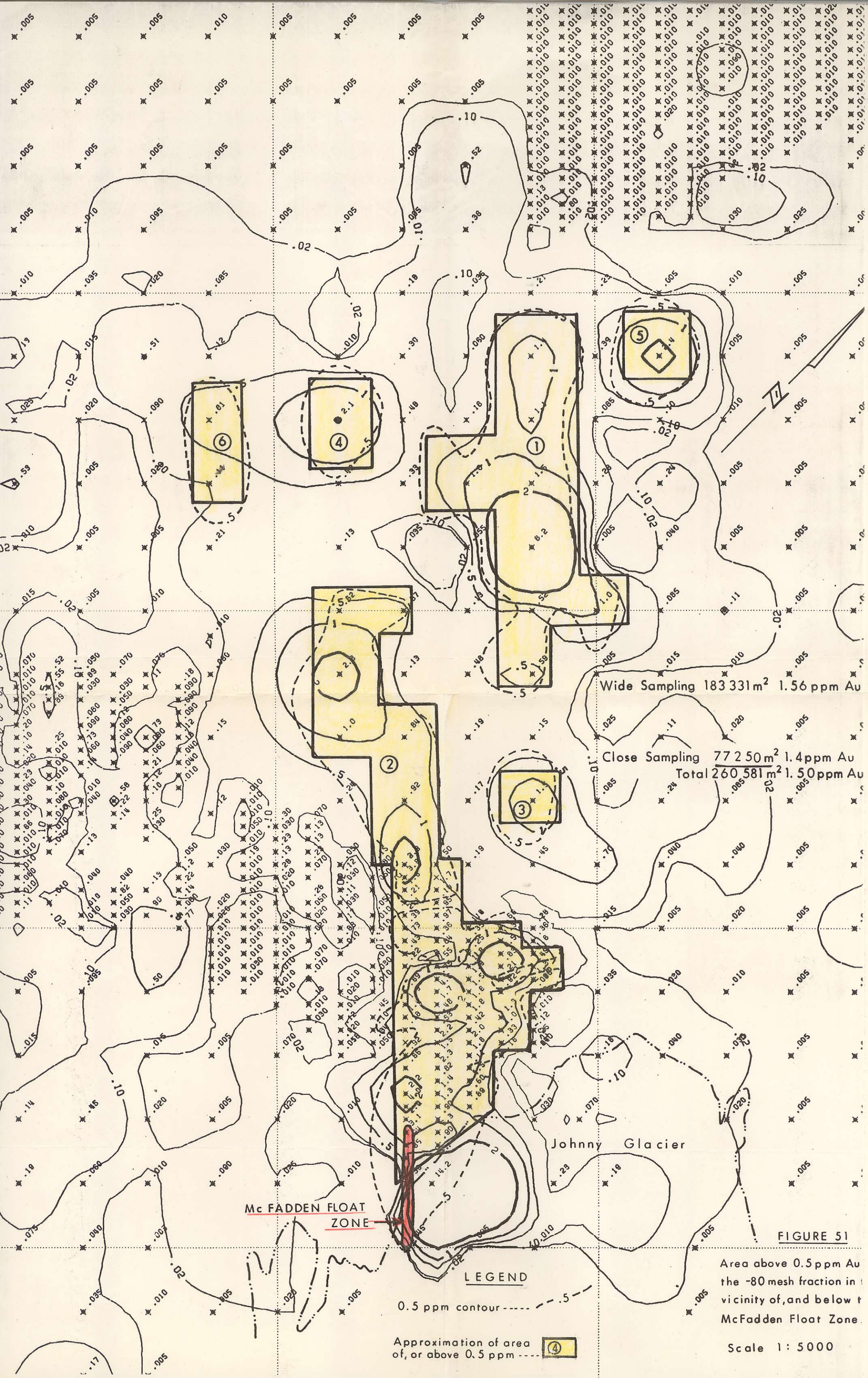


FIGURE 51

Area above 0.5 ppm Au in the -80 mesh fraction in the vicinity of, and below the McFadden Float Zone.

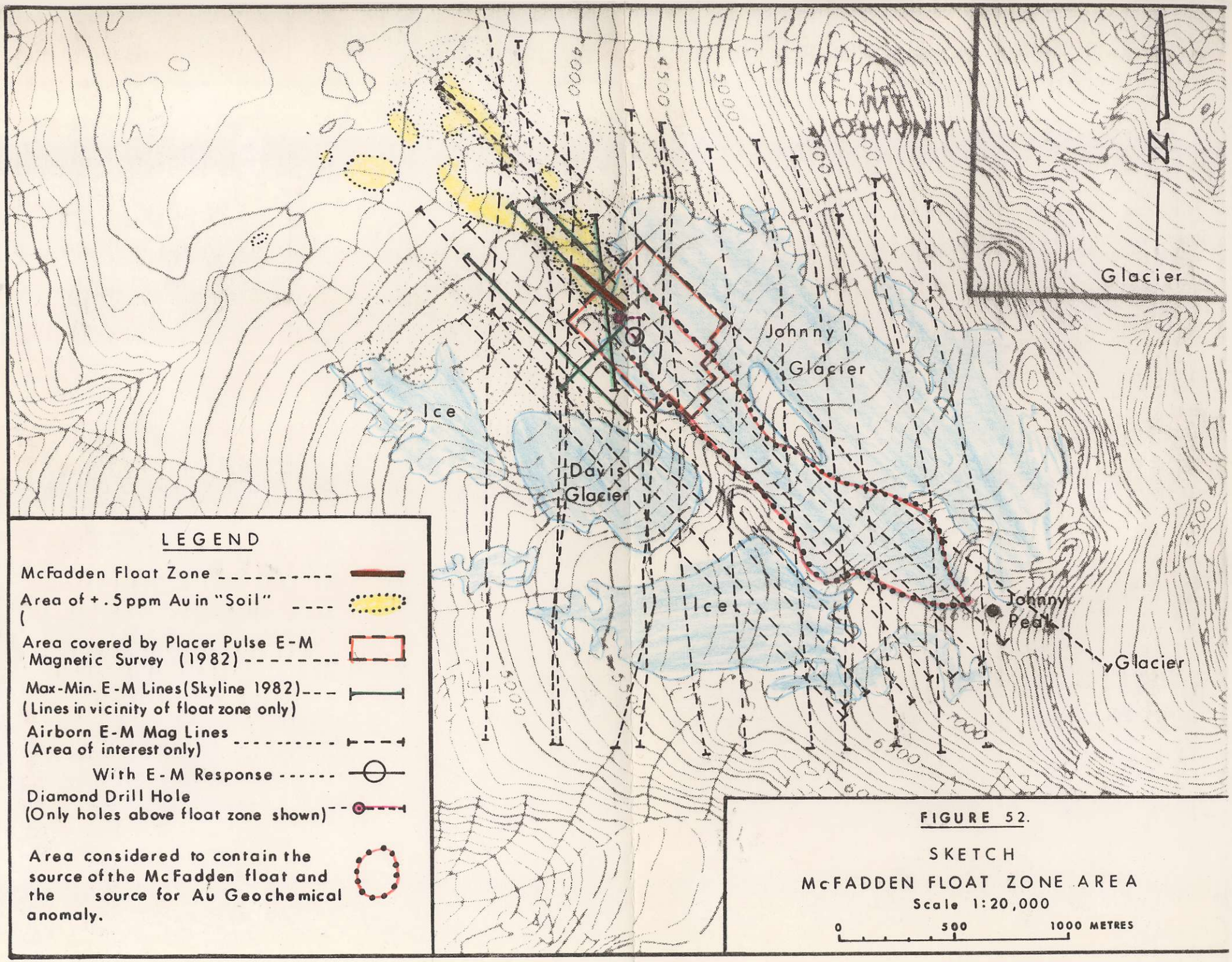


FIGURE 52.

SKETCH

McFADDEN FLOAT ZONE AREA

Scale 1:20,000

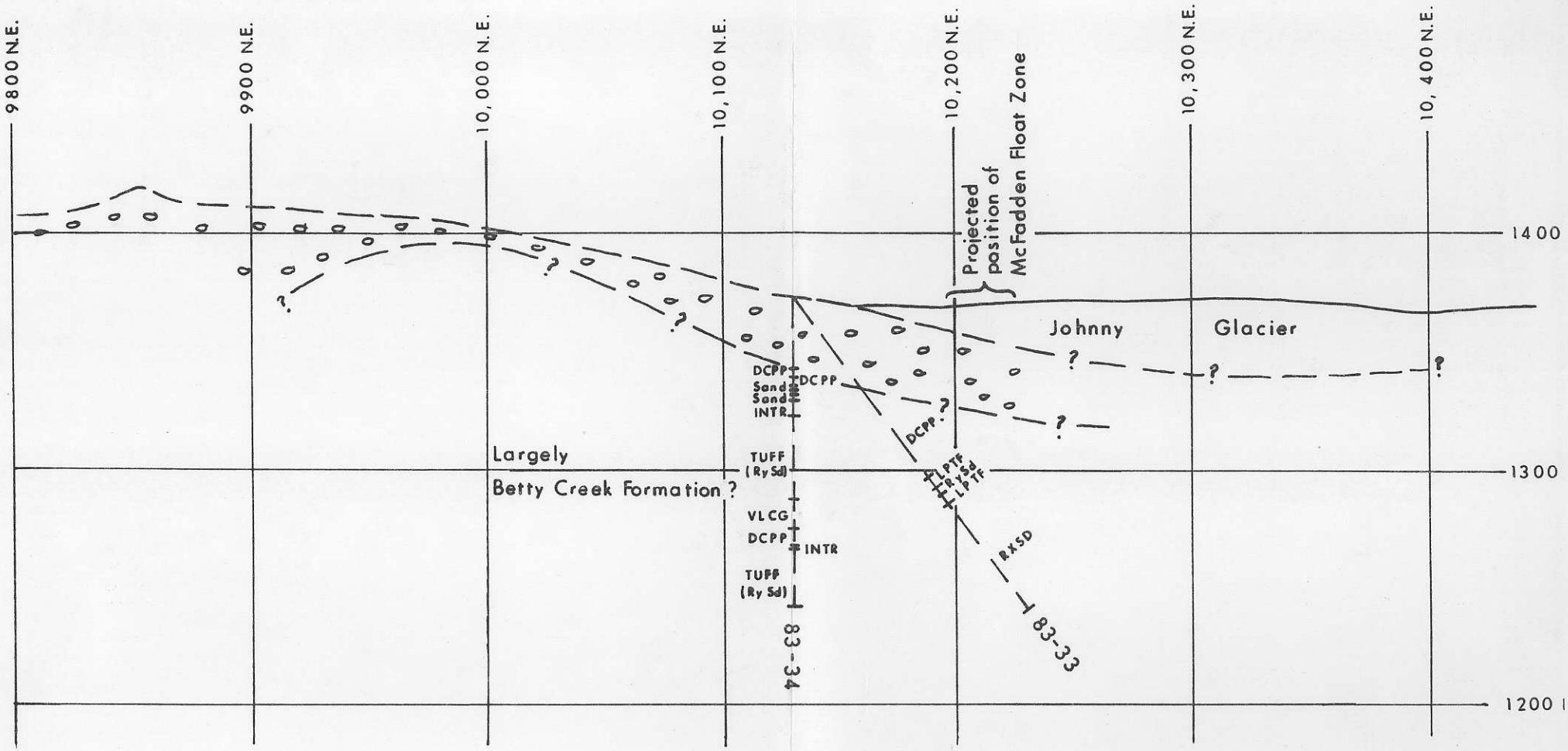
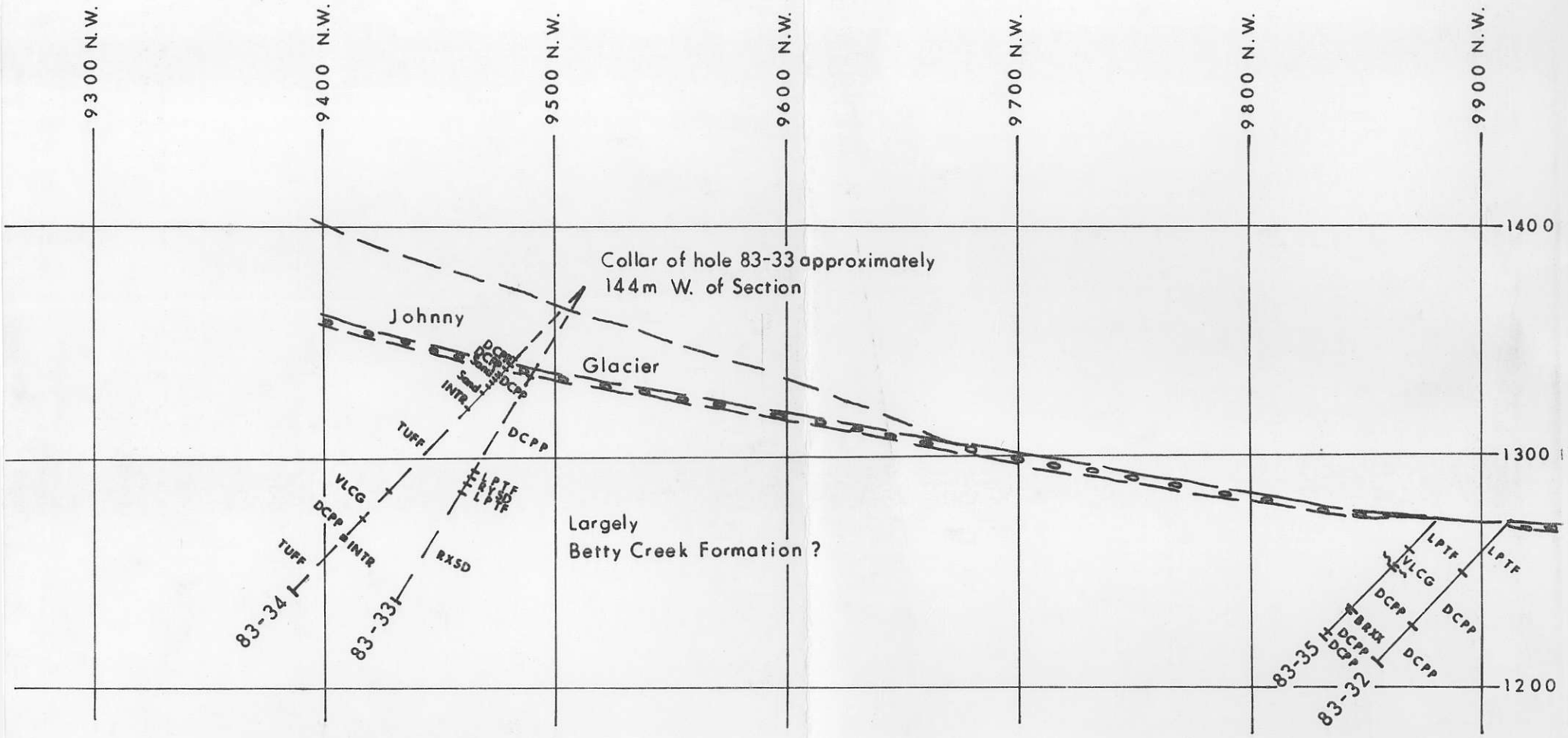


FIGURE 53

Mc Fadden Float Zone Area

SECTION 9490 NW

Scale 1:2500



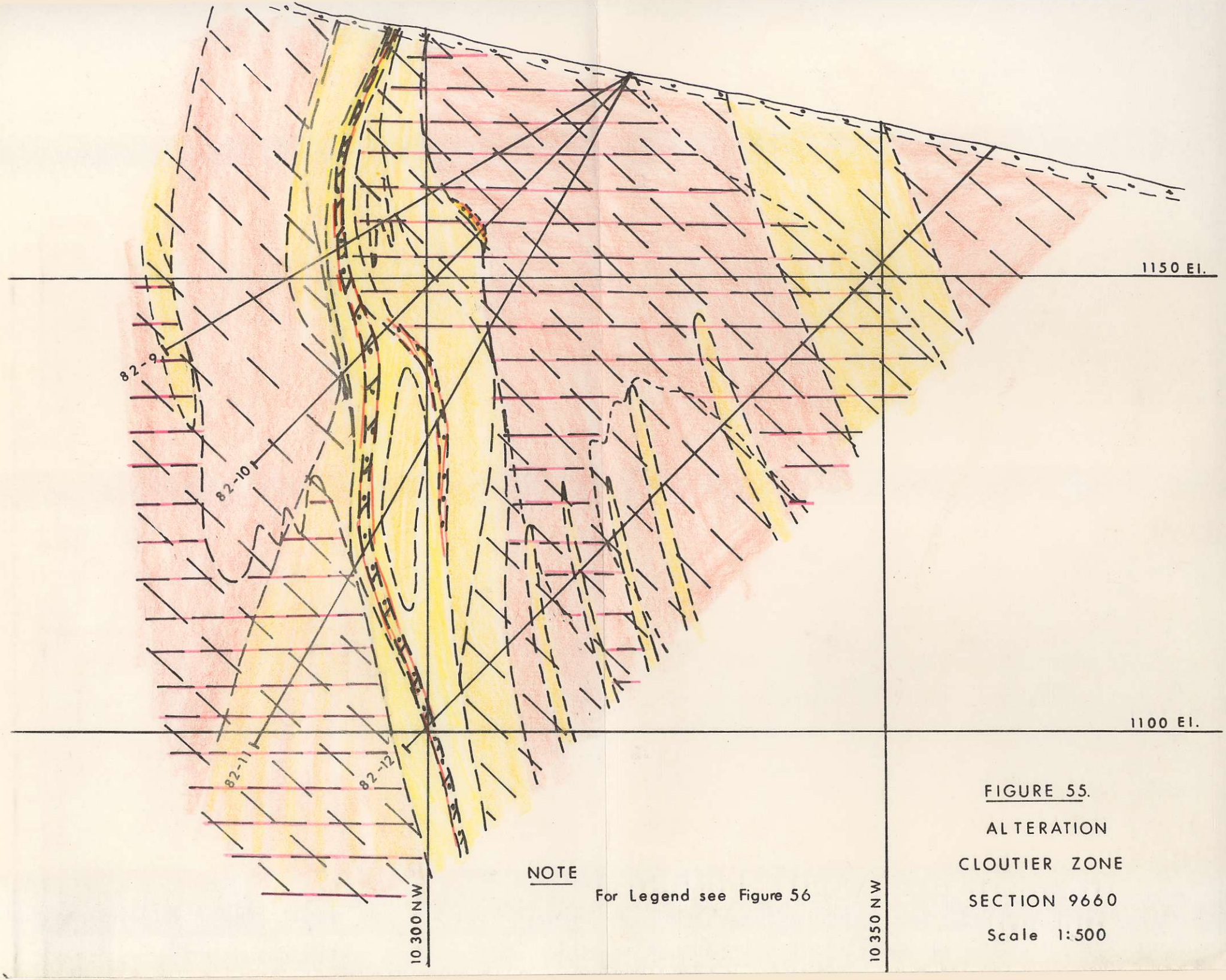
LEGEND

DCPP – Dacite Porphyry
LPTF – Lapilli Tuff
Sand – Sandstone
VLCG – Volcanic Conglomerate
RXSD – Recrystallized Sediment
BRXX – Breccia
INTR – Intrusive

FIGURE 54

McFadden Float Zone Area

SECTION 10291 NE
(Thru Hole 83-32)
Scale 1:2500



NOTE

For Legend see Figure 56

FIGURE 55.

ALTERATION

CLOUTIER ZONE

SECTION 9660

Scale 1:500

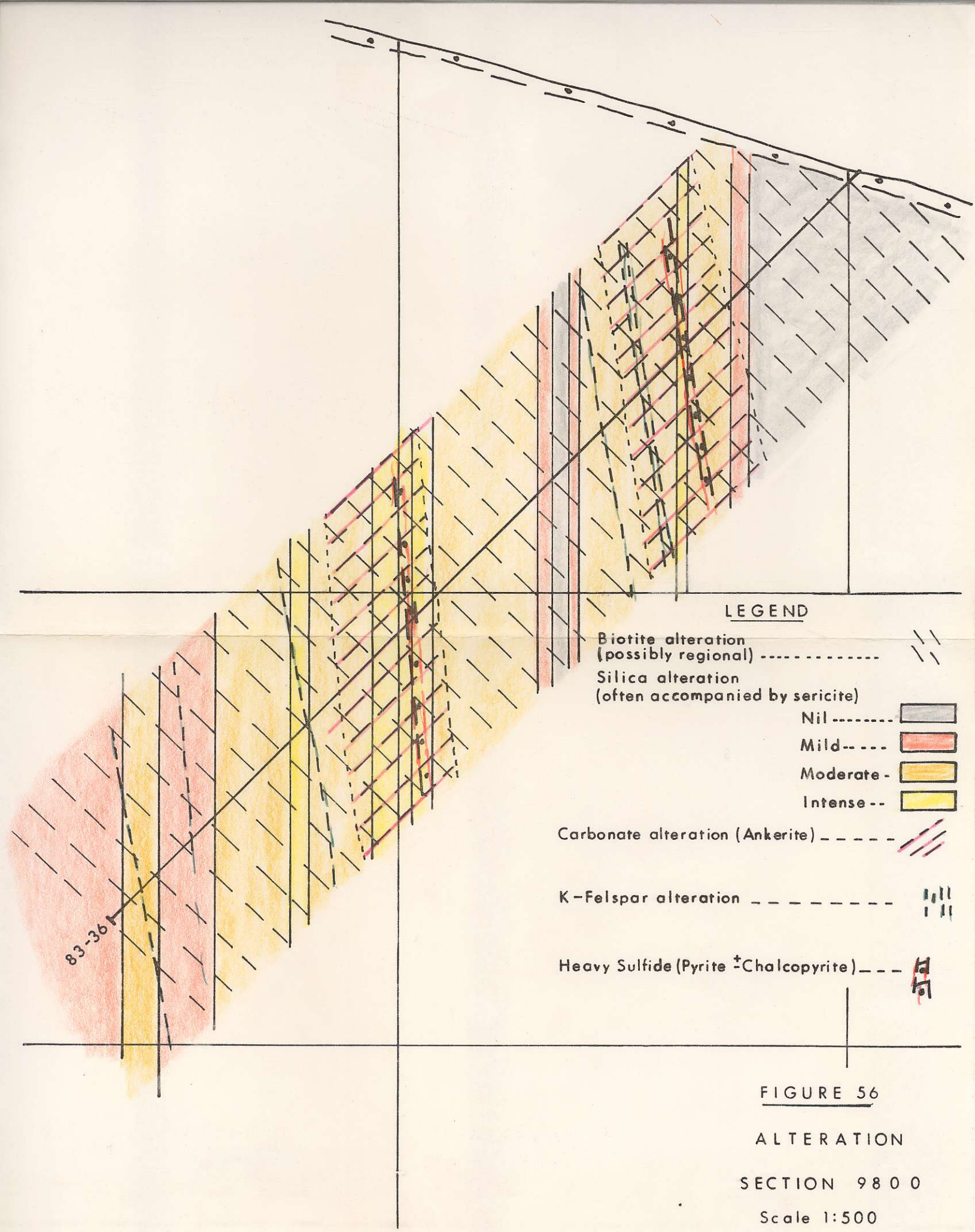


FIGURE 56

ALTERATION

SECTION 9800

Scale 1:500