

83-#766 - 11806

FIGURES

Samim Canada Ltd.

SPILLIMACHEEN PROJECT

GEOLOGY, GEOCHEMISTRY, GEOPHYSICS AND
DIAMOND DRILLING ON THE
DEB CLAIMS

NTS 82 N/2, 3
82 K/14, 15

Golden Mining Division

Latitude 51°00'N
Longitude 117°00'W

by

T.J. Bottrill, S.D. Robinson and J.A. McCance

November, 1983

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

11,806

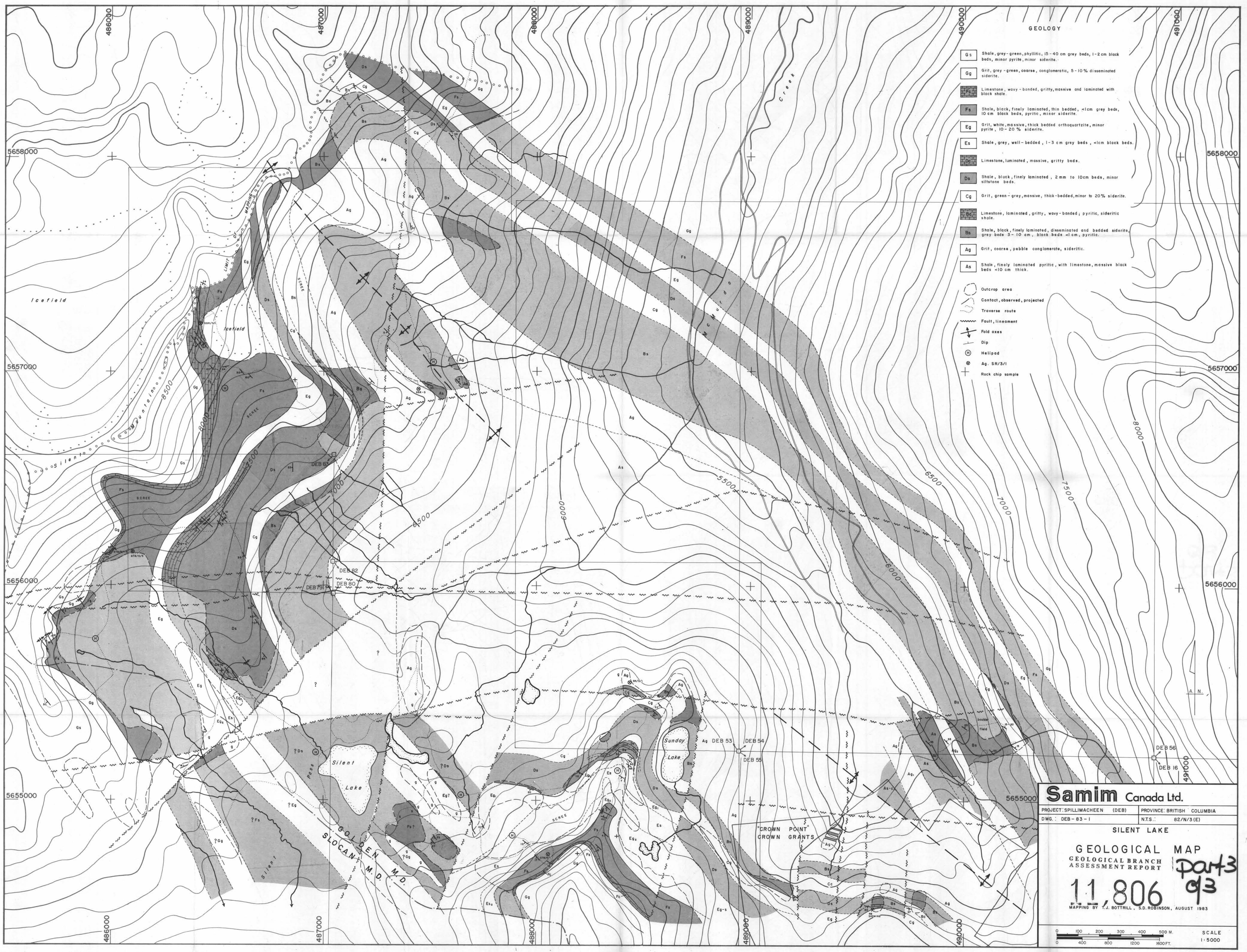
part 3
of 3

DRAWINGS

DEB-83-1 Geology, Silent Lake, 1:5,000
DEB-83-2 Geochemistry, Silent Lake, 1:5,000
DEB-83-3 Geology and Geochemistry, Malachite Creek,
 1:5,000
DEB-83-4 Geology and Geochemistry, Malachite Detail,
 1:2,500
DEB-83-5 Composite Cross-sections, Carbonate Mountain,
 1:5,000
DEB-83-6 Geology and IP (Metal Factor) Cross-sections,
 Malachite Creek, 1:2,500
DEB-83-7 Geology and IP (Frequency Effect) Cross-sections,
 Malachite Creek, 1:2,500
DEB-83-8 Geology and IP (Metal Factor) Cross-sections,
 Carbonate Mountain, 1:2,500
DEB-83-9 Geology and IP (Frequency Effect) Cross-sections,
 Carbonate Mountain, 1:2,500
DEB-83-10 IP Map, Malachite Creek, 1:5,000

IP-5833-1 to 11 IP Data Plots

IP-5833-1	x = 50 m	Line 19+50N	Malachite Grid
IP-5833-2	x = 50 m	Line 16+00N	Malachite Grid
IP-5833-3	x = 10 m	Line 13+00N	Malachite Grid
IP-5833-4	x = 50 m	Line 13+00N	Malachite Grid
IP-5833-5	x = 10 m	Line 11+50N	Malachite Grid
IP-5833-6	x = 10 m	Line 10+00N	Malachite Grid
IP-5833-7	x = 50 m	Line 10+00N	Malachite Grid
IP-5833-8	x = 50 m	Line 7+50N	Malachite Grid
IP-5833-9	x = 50 m	Line 10+00N	Carbonate Grid
IP-5833-10	x = 50 m	Line 9+00N	Carbonate Grid
IP-5833-11	x = 50 m	Line 7+25N	Crown Point Grid



GEOLOGY

- Gs Shale, grey-green, phyllitic, 15-40 cm grey beds, 1-2 cm black beds, minor pyrite, minor siderite.
- Gg Grit, grey-green, coarse, conglomeratic, 5-10% disseminated siderite.
- Fs Shale, black, finely laminated, thin bedded, <1cm grey beds, 10cm black beds, pyritic, minor siderite.
- Eg Grit, white, massive, thick bedded orthoquartzite, minor pyrite, 10-20% siderite.
- Es Shale, grey, well-bedded, 1-3 cm grey beds, <1cm black beds.
- Limestone, laminated, massive, gritty beds.
- Ds Shale, black, finely laminated, 2 mm to 10cm beds, minor siltstone beds.
- Cg Grit, green-grey, massive, thick-bedded, minor to 20% siderite.
- Limestone, laminated, gritty, wavy-bedded; pyritic, sideritic shale.
- Bs Shale, black, finely laminated, disseminated and bedded siderite, grey beds 3-10 cm, black beds <1cm, pyritic.
- Ag Grit, coarse, pebble conglomerate, sideritic.
- As Shale, finely laminated pyritic, with limestone, massive black beds <10 cm thick.

- Outcrop area
- Contact, observed, projected
- Traverse route
- Fault, lineament
- ↗ Fold axes
- ↘ Dip
- ⊙ Heliopod
- ⊕ Ag. SR/3/1
- ⊕ Rock chip sample

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PROJECT: SPILLMACHEEN (DEB) PROVINCE: BRITISH COLUMBIA

DWG.: DEB-83-1 N.T.S.: 82/N/3(E)

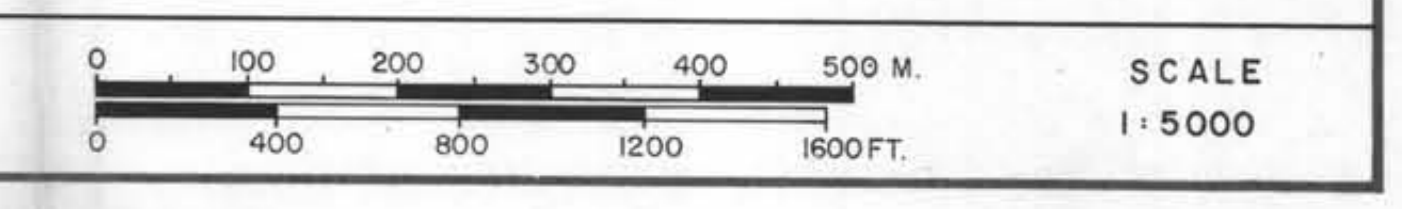
SILENT LAKE

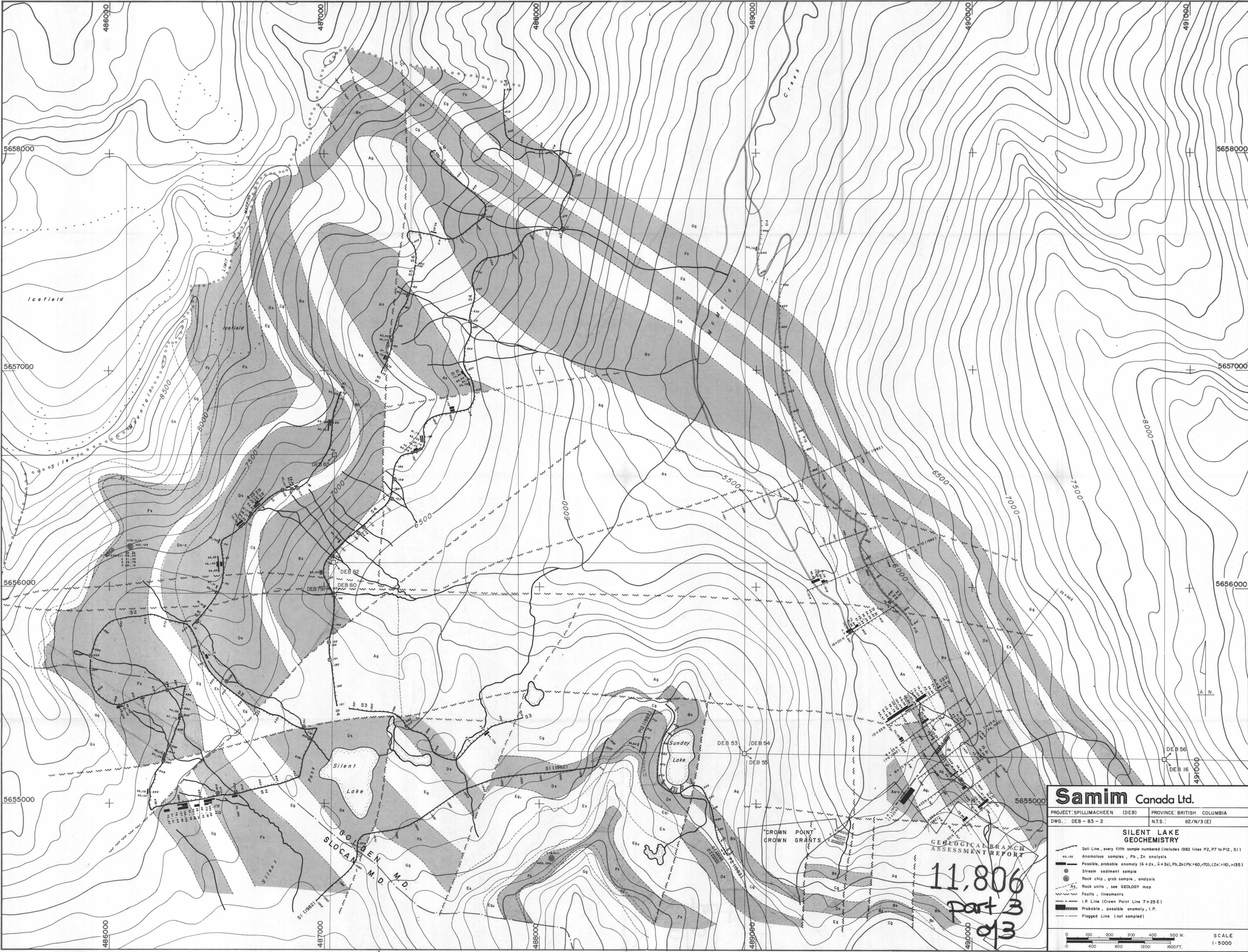
GEOLOGICAL MAP

GEOLOGICAL BRANCH ASSESSMENT REPORT

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MAPPING BY T.J. BOTTRILL, S.D. ROBINSON, AUGUST 1983





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PROJECT: SPILLMACHEEN (DEB) PROVINCE: BRITISH COLUMBIA
 DWG.: DEB-83-2 N.T.S.: 82/N/3 (E)

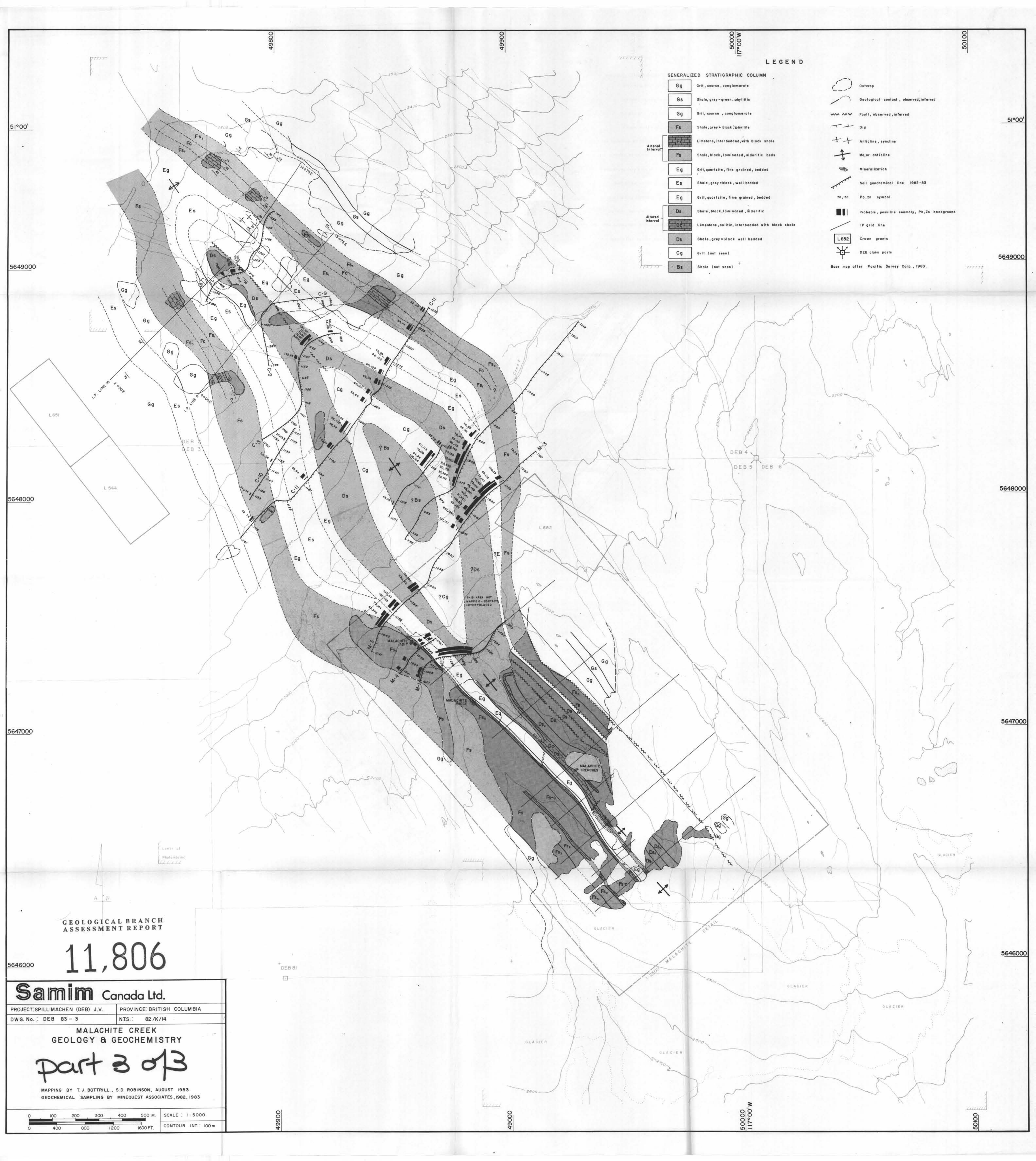
SILENT LAKE GEOCHEMISTRY

GEOLOGICAL BRANCH ASSESSMENT REPORT

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 013

- Soil Line, every fifth sample numbered (includes 1982 lines P2, P7 to P12, S1)
- Anomalous samples, Pb, Zn analysis
- Possible, probable anomaly (Σ+2s, Σ+3s), Pb, Zn (Pb>60, Zn>110, >135)
- Stream sediment sample
- Rock chip, grab sample, analysis
- Rock units, see GEOLOGY map
- Faults, lineaments
- I.P. Line (Crown Point Line 7+25 E)
- Probable, possible anomaly, I.P.
- Flogged Line (not sampled)

0 100 200 300 400 500 M. SCALE
 0 400 800 1200 1600 FT. 1:5000



LEGEND

GENERALIZED STRATIGRAPHIC COLUMN

Gg	Grit, coarse, conglomerate
Gs	Shale, grey-green, phyllitic
Gg	Grit, coarse, conglomerate
Fs	Shale, grey-black, phyllitic
Fc	Limestone, interbedded, with black shale
Fs	Shale, black, laminated, sideritic beds
Eg	Grit, quartzite, fine grained, bedded
Es	Shale, grey-black, well bedded
Eg	Grit, quartzite, fine grained, bedded
Ds	Shale, black, laminated, sideritic
Dc	Limestone, oolitic, interbedded with black shale
Ds	Shale, grey-black well bedded
Cg	Grit (not seen)
Bs	Shale (not seen)

	Outcrop
	Geological contact, observed, inferred
	Fault, observed, inferred
	Dip
	Anticline, syncline
	Major anticline
	Mineralization
	Soil geochemical line 1982-83
	Pb, Zn symbol
	Probable, possible anomaly, Pb, Zn background
	IP grid line
	Crown grants
	DEB claim posts

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PROJECT: SPILLMACHEN (DEB) J.V. PROVINCE: BRITISH COLUMBIA
DWG. No.: DEB 83-3 NTS.: 82/K/14

MALACHITE CREEK
GEOLOGY & GEOCHEMISTRY

part 3 of 3

MAPPING BY T.J. BOTTRILL, S.D. ROBINSON, AUGUST 1983
GEOCHEMICAL SAMPLING BY MINEQUEST ASSOCIATES, 1982, 1983

0 100 200 300 400 500 M. SCALE: 1:5000
0 400 800 1200 1600 FT. CONTOUR INT.: 100m

LEGEND

GENERALISED STRATIGRAPHIC COLUMN	
Gg	Grit, orthoquartzite, conglomerate, minor siderite
Gs	Shale, grey-green, phyllite
Fs ₃	Shale, grey 3-15cm, black < 1cm well bedded, graded
Fs ₂	Shale, black, grey beds 1cm, black beds 3-5cm, well bedded, Siderite, pyrite
Fc	Limestone, gritty, massive, minor pyrite
Eq	Quartzite, well bedded, laminated black and grey beds "laminated"
Eg	Quartzite, grit, fine grained, well bedded, interbedded siltstone, shale
Ds ₂	Shale, black, carbonaceous, sideritic (up to 20%), pyrite
Dc	Limestone, oolitic, gritty, massive, pyrite, includes breccia beds with graphite flakes and shale fragments
Ds ₁	Shale, grey 5-15 cm, black < 1cm, well bedded, minor siderite, minor pyrite

- A-B-C Lower unit not seen
- g Gritty, unidentified
- Q Quartz vein
- py Pyrite
- sid Siderite
- bk Black
- abund Abundant
- min Minor
- () Outcrop area
- Geological contact, observed, inferred
- Dip
- Anticline, syncline
- Fault, observed, inferred
- 1983 grid
- 1981 FNC grid
- Mineralization
- Diamond drill holes no's 1-11
- Soil geochemical lines 1982-83
- 75,96 Lead, zinc analyses
- Probable, possible anomalies, lead, zinc, background

GEOLOGICAL BRANCH ASSESSMENT REPORT

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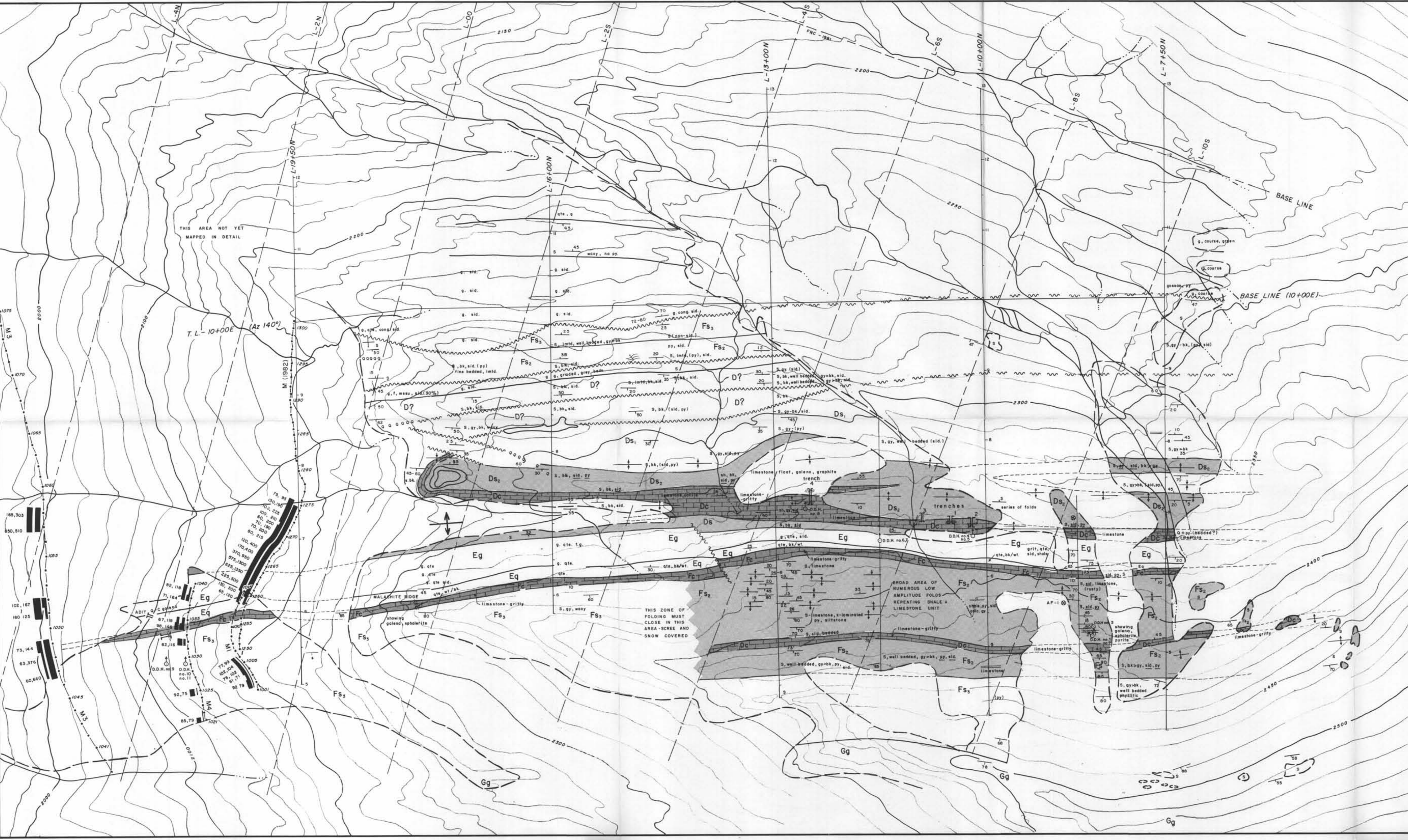


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PROJECT: SPILLMACHEEN (DEB) PROVINCE: BRITISH COLUMBIA
 DWG. No.: DEB-83-4 N.T.S.: 82 K/14

MALACHITE CREEK GEOLOGY AND GEOCHEMISTRY

part 3
of 3



THIS AREA NOT YET MAPPED IN DETAIL

THIS ZONE OF FOLDING MUST BE CLOSE IN THIS AREA - SCREEN AND SNOW COVERED

BROAD AREA OF NUMEROUS LOW AMPLITUDE FOLDS REPEATING SHALE + LIMESTONE UNIT

S. W.

ALL SECTIONS ON 043°

N. E.

Elevation above Sea Level

2600 m

AREA FROM LINE 10 TO SKYLINE
FROM PHOTOGEOLOGY AND DISTANT
OBSERVATION.

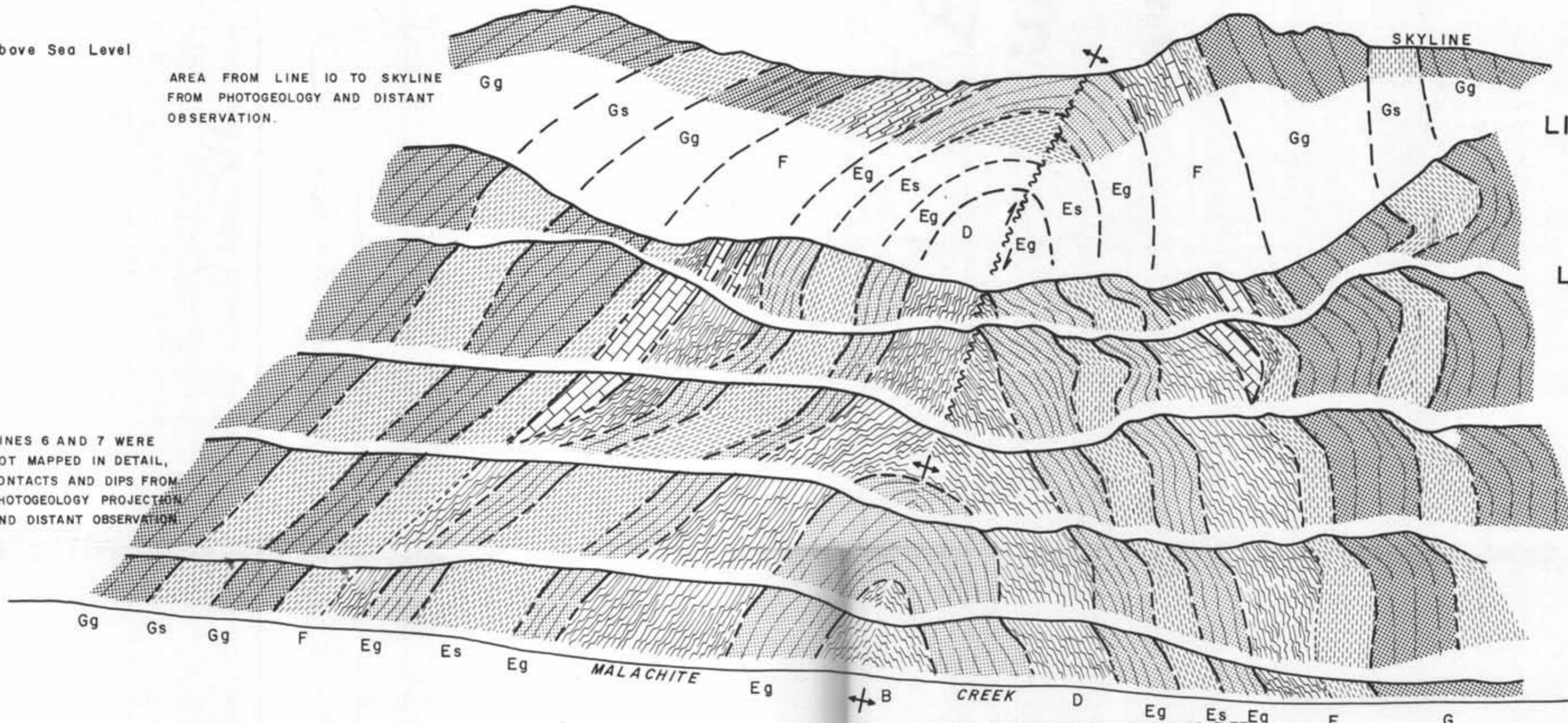
2400 m

2200 m

LINES 6 AND 7 WERE
NOT MAPPED IN DETAIL,
CONTACTS AND DIPS FROM
PHOTOGEOLOGY PROJECTION
AND DISTANT OBSERVATION.

2000 m

1800 m



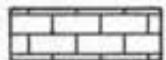




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HORIZONTAL AND VERTICAL SCALE 1:5000

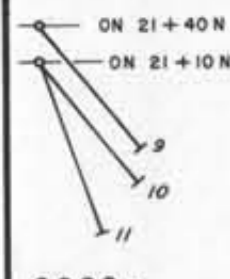
- GEOLOGY**
-  Carbonate (F_c)
 -  Shale, grey and black laminated (F, E), green (Gs)
 -  Shale, altered black (pyrite, siderite, carbonaceous), (B, D, F)
 -  Sandstone, orthoquartzite, grey, buff (C, Eg)
 -  Grit conglomerate, orthoquartzite, buff, green (Gg)

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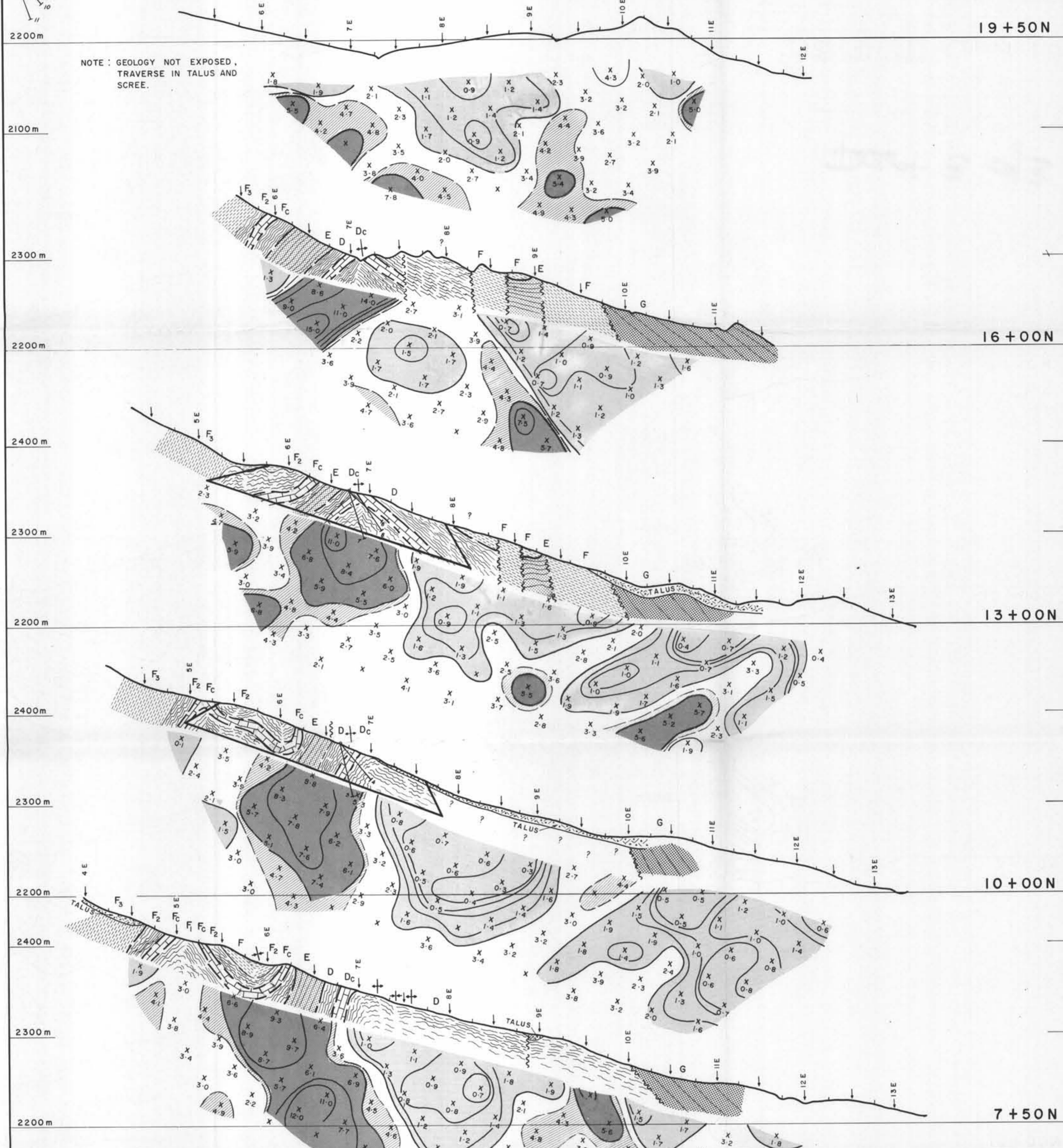
PROJECT : SPILLIMACHEEN (DEB) PROVINCE : BRITISH COLUMBIA

DWG. NO. : DEB - 83 - 5 N.T.S. : 82 K/14

CARBONATE MOUNTAIN (DETAIL)
COMPOSITE CROSS-SECTIONS



NOTE: GEOLOGY NOT EXPOSED, TRAVERSE IN TALUS AND SCREE.



- GEOLOGY**
- Laminated grey and black shales (F₃, D₁)
 - Altered (carbonaceous, pyritic, sideritic) black shales (F₁, F₂, D₂)
 - Carbonate (D_c, F_c)
 - Sandstone, fine grained, laminated (E)
 - Coarse grit, conglomerate (G)
 - Diamond Drill Holes projected to section

INDUCED POLARIZATION - METAL FACTOR

n = 137 \bar{x} = 3.3 s = 0.8

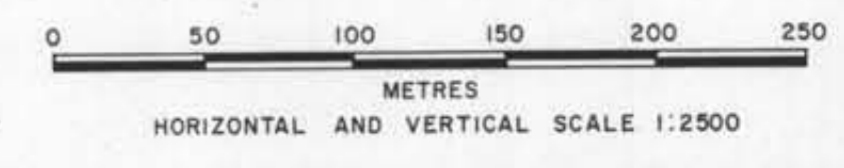
Note: Contours at Logarithmic intervals 1, 1.5, 2, 3, 5, 7.5, 10, 15

> 5.00
4.00-5.00
2.00-4.00
< 2.00

$\bar{x} \pm s = 2.5 \text{ to } 4.1$

electrode location

10M detail coverage



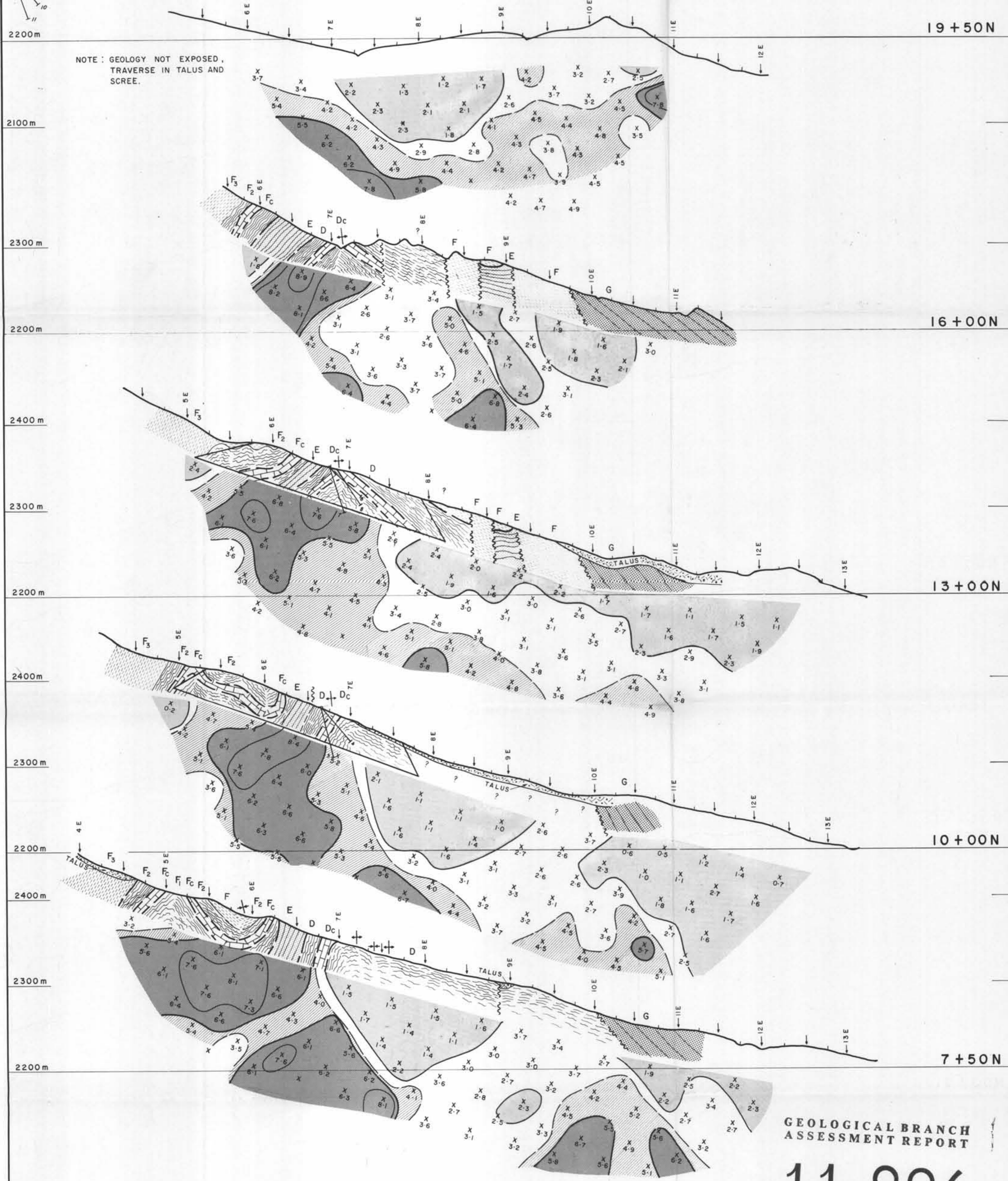
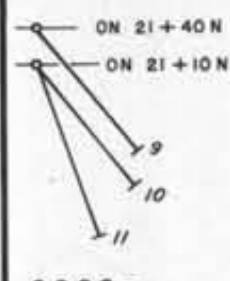
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PROJECT: SPILLIMACHEEN (DEB) PROVINCE: BRITISH COLUMBIA
DWG. NO.: DEB-83-6 N.T.S.: 82 K/14

MALACHITE CREEK
CROSS-SECTIONS
INDUCED POLARIZATION (METAL FACTOR) AND GEOLOGY



NOTE: GEOLOGY NOT EXPOSED, TRAVERSE IN TALUS AND SCREE.

2200m
2100m
2300m
2200m
2400m
2300m
2200m
2400m
2300m
2200m
2400m
2300m
2200m

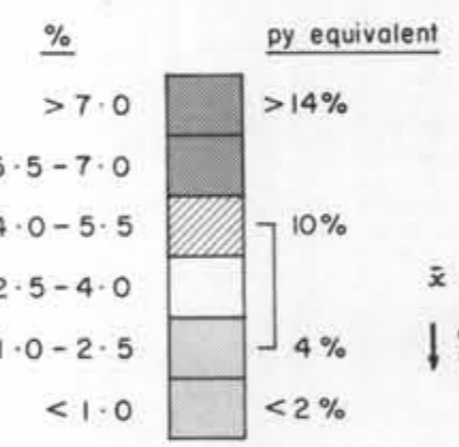
19+50N
16+00N
13+00N
10+00N
7+50N

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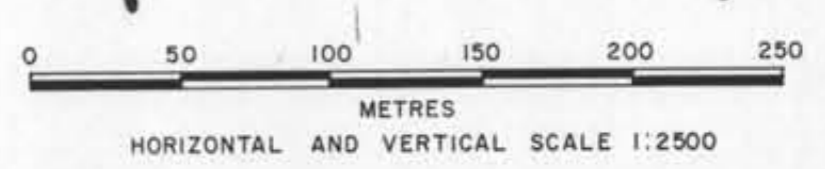
INDUCED POLARIZATION
PERCENT FREQUENCY EFFECT
n = 324 \bar{x} = 3.9 s = 1.77

Note: Contours at Logarithmic intervals 2.5, 5.5, 7



$\bar{x} \pm s = 2.13 - 5.67$
↓ electrode location

- GEOLOGY**
- Laminated grey and black shales (F₃, D₁)
 - Altered (carbonaceous, pyritic, sideritic) black shales (F₁, F₂, D₂)
 - Carbonate (D_c, F_c)
 - Sandstone, fine grained, laminated (E)
 - Coarse grit, conglomerate (G)
 - Diamond Drill Holes projected to section

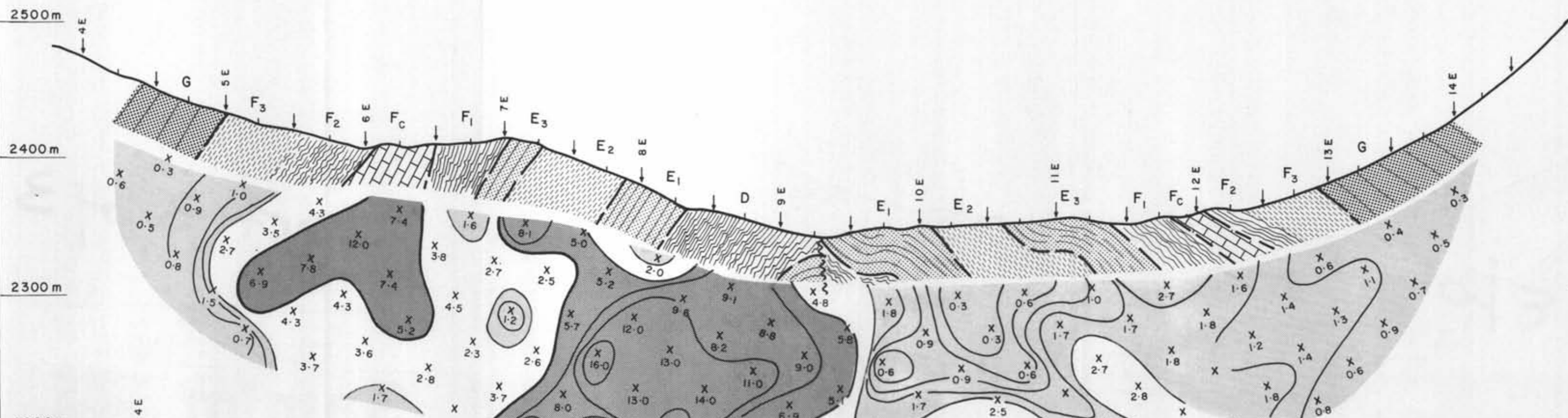


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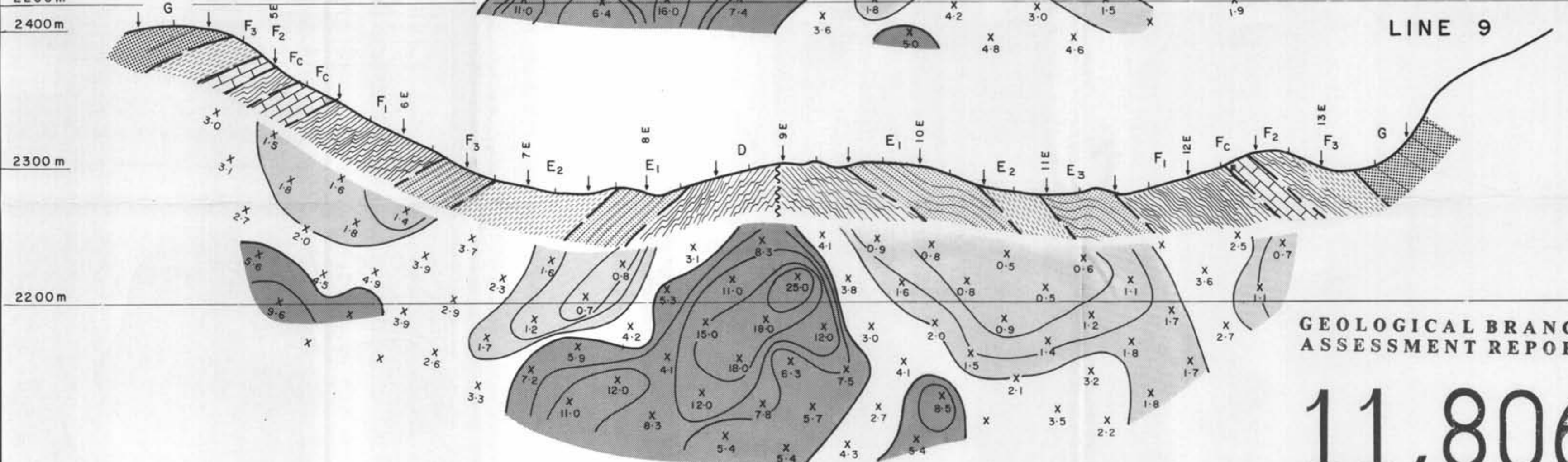
PROJECT: SPILLIMACHEEN (DEB) PROVINCE: BRITISH COLUMBIA
DWG. NO.: DEB-83-7 N.T.S.: 82 K/14

MALACHITE CREEK
CROSS-SECTIONS
INDUCED POLARIZATION (P.F.E.) AND GEOLOGY

LINE 10



LINE 9



GEOLOGICAL BRANCH
ASSESSMENT REPORT

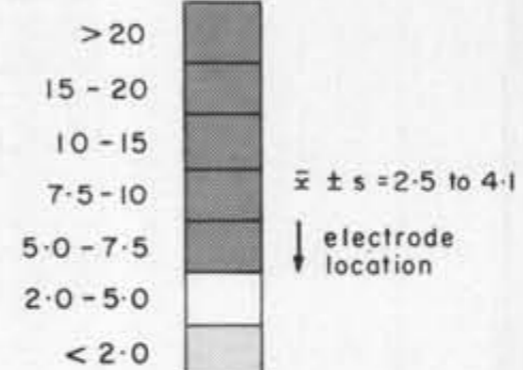
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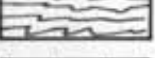
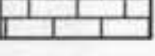


INDUCED POLARIZATION - METAL FACTOR

n=137 \bar{x} = 3.3 s=0.8

Note: Contours at Logarithmic intervals 1, 1.5, 2, 3, 5, 7.5, 10, 15, 20



HORIZONTAL AND VERTICAL SCALE 1: 2500

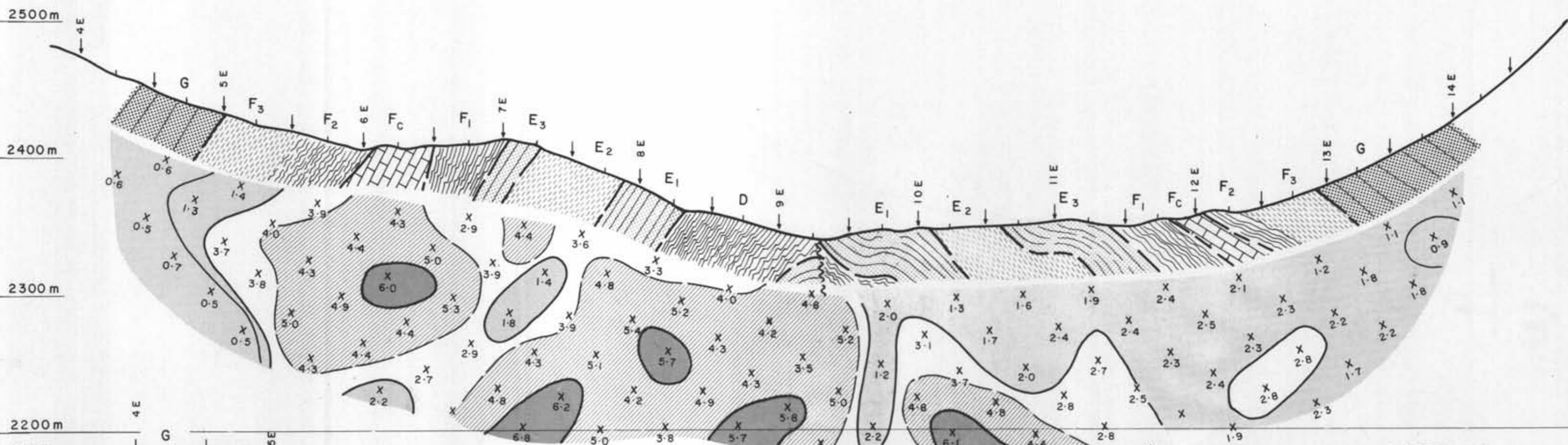
- GEOLOGY**
-  Laminated grey and black shales (F₃, E₂)
 -  Altered (carbonaceous, pyritic, sideritic) shales (D, F₁, F₂)
 -  Carbonate (F_c)
 -  Laminated sandstone (orthoquartzite), fine grained (E₁, E₃)
 -  Coarse grit, conglomerate (G)

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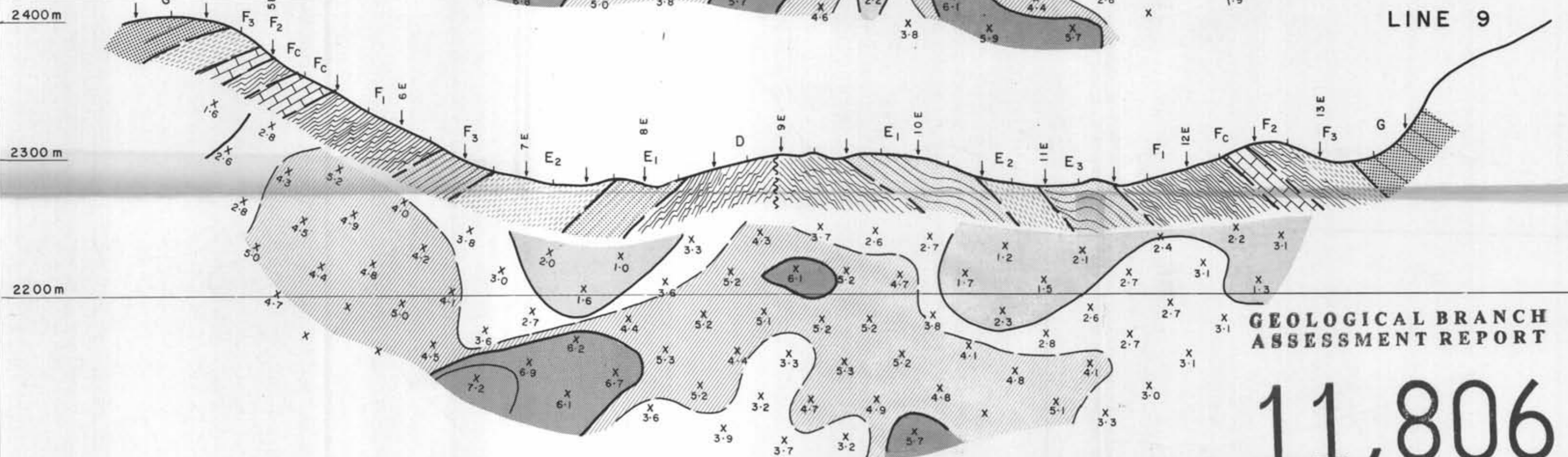
PROJECT : SPILLIMACHEEN (DEB)	PROVINCE : BRITISH COLUMBIA
DWG. NO. : DEB - 83 - 8	N.T.S. 82 K / 14

CARBONATE MOUNTAIN
CROSS - SECTIONS
INDUCED POLARIZATION (METAL FACTOR) AND GEOLOGY

LINE 10



LINE 9



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

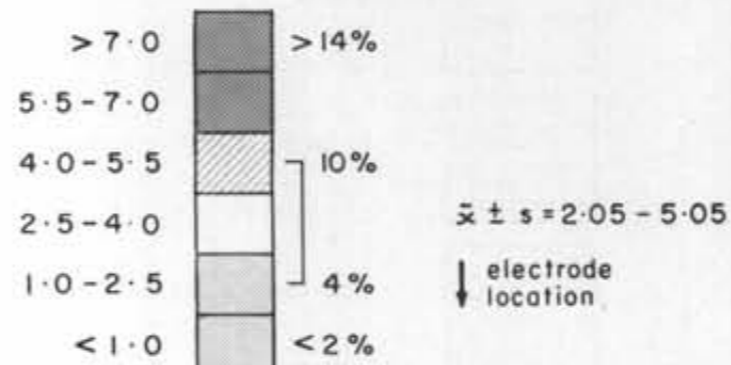
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**INDUCED POLARIZATION
PERCENT FREQUENCY EFFECT**

n = 184 \bar{x} = 3.55 s = 1.50

Note: Contours at Logarithmic intervals 1, 2.5, 5, 5.7

% py equivalent



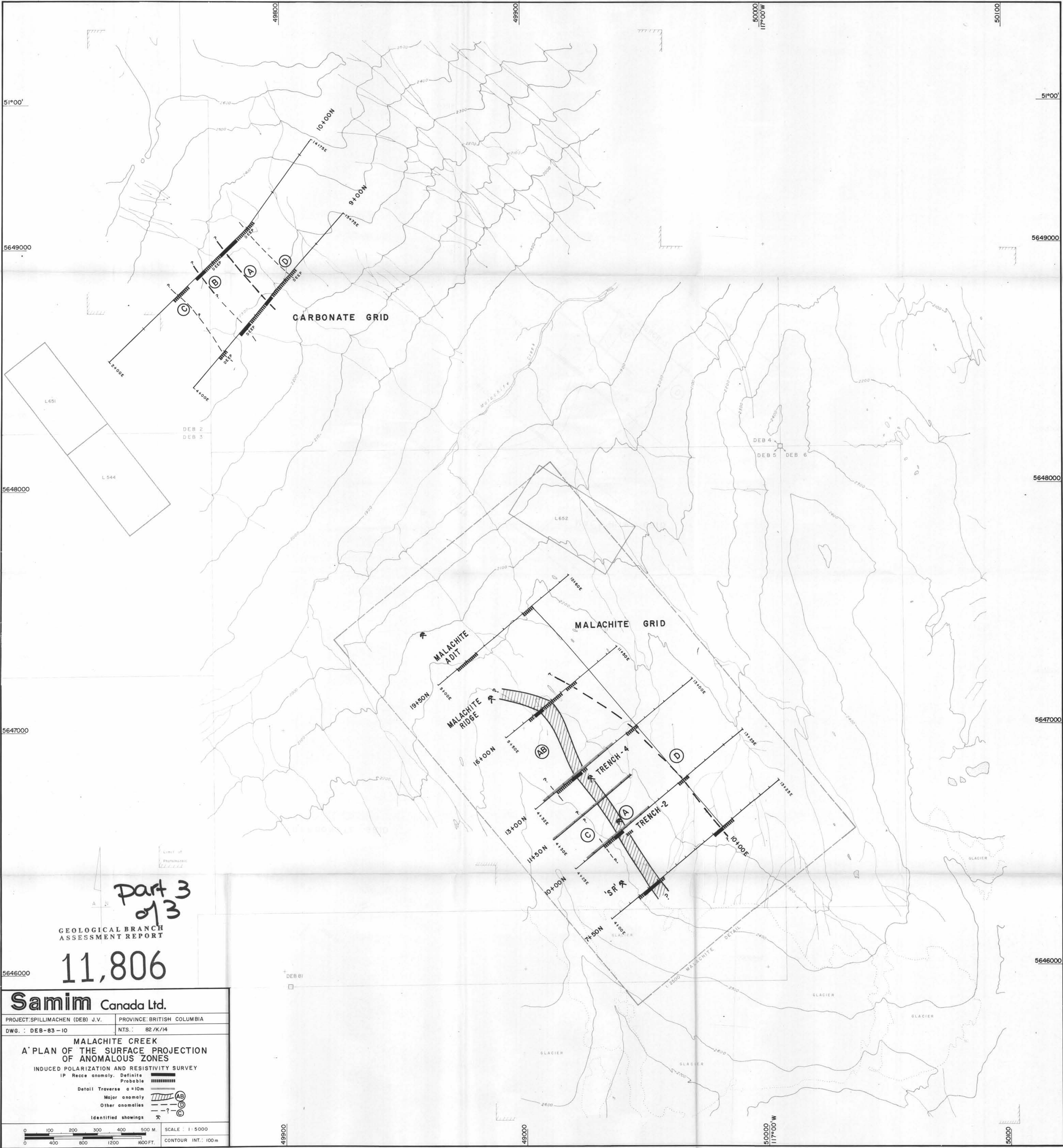
GEOLOGY

- Laminated grey and black shales (F₃, E₂)
- Altered (carbonaceous, pyritic, sideritic) shales (D, F₁, F₂)
- Carbonate (F_c)
- Laminated sandstone (orthoquartzite), fine grained (E₁, E₃)
- Coarse grit, conglomerate (G)

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PROJECT: SPILLIMACHEEN (DEB) PROVINCE: BRITISH COLUMBIA
DWG. NO.: DEB-83-9 N.T.S.: 82 K/14

**CARBONATE MOUNTAIN
CROSS-SECTIONS
INDUCED POLARIZATION (P.F.E.) AND GEOLOGY**



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PROJECT: SPILLIMACHEN (DEB) J.V.	PROVINCE: BRITISH COLUMBIA
DWG.: DEB-83-10	NTS.: B2/K/14

MALACHITE CREEK
A PLAN OF THE SURFACE PROJECTION
OF ANOMALOUS ZONES
INDUCED POLARIZATION AND RESISTIVITY SURVEY

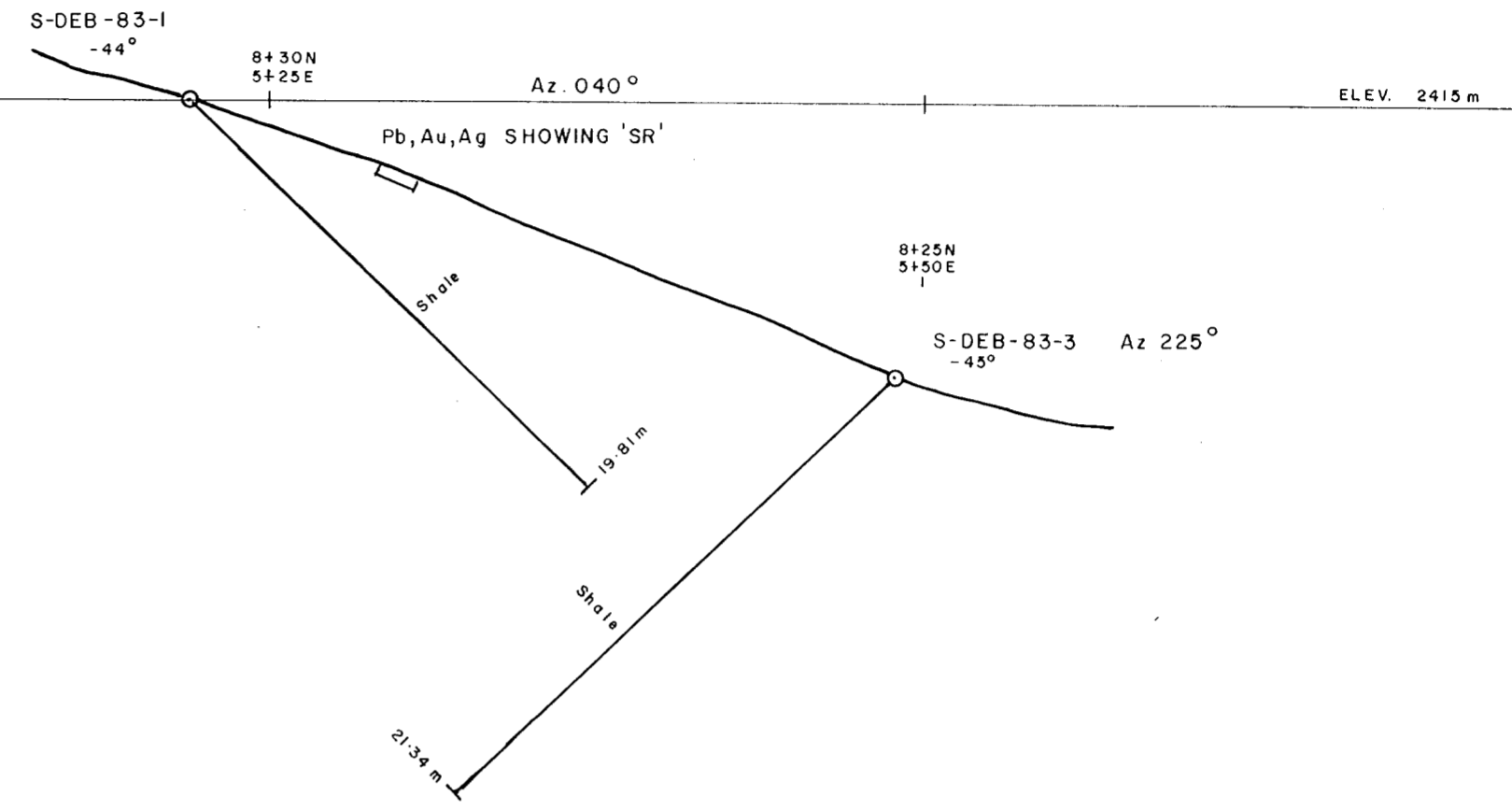
IP Recce anomaly. Definite Probable

Detail Traverse a=10m
Major anomaly (AB)
Other anomalies (C)
Identified showings

0 100 200 300 400 500 M. SCALE: 1:5000
0 400 800 1200 1600 FT. CONTOUR INT.: 100m

I. P. PSEUDO SECTIONS

D. D. HOLE SECTION



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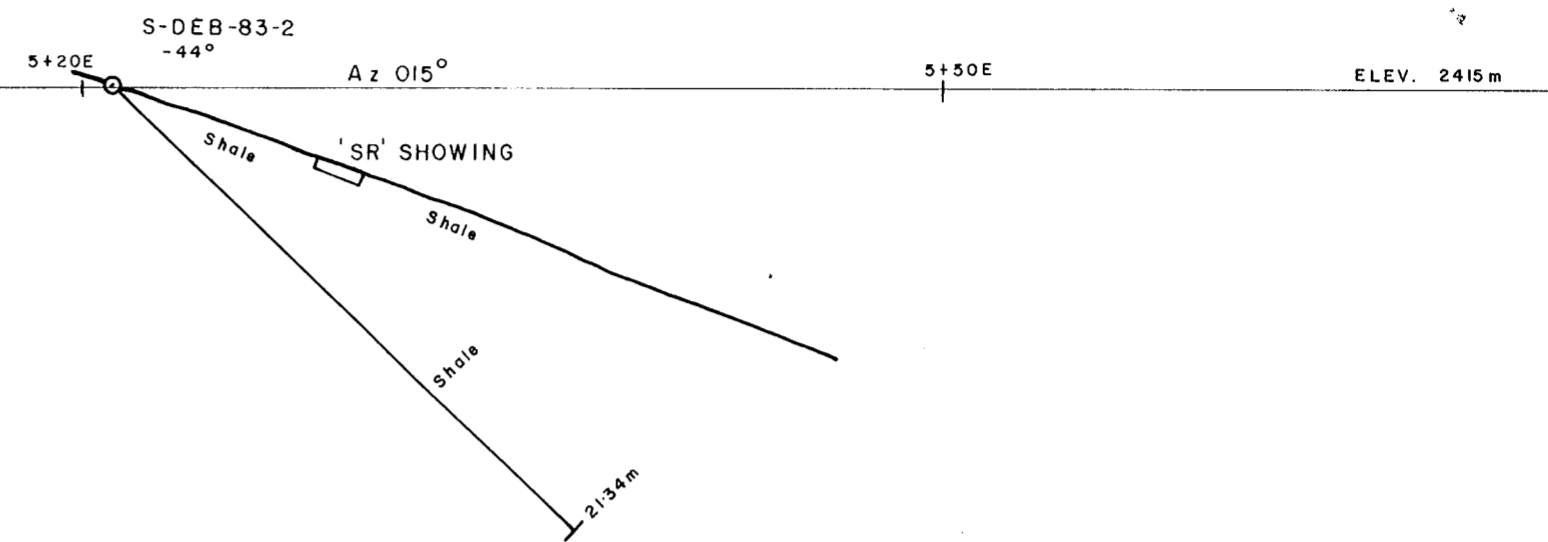
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PROJECT : SPILLIMACHEEN (DEB)	PROVINCE : BRITISH COLUMBIA
DWG. No. : DEB - 83 - 11	N.T.S. : 82 K / 14

MALACHITE CREEK
DIAMOND DRILL SECTION
8+30 N - 8+25 N
D.D.H.'s : S-DEB - 83 - 1 & 3

I.P. PSEUDO SECTIONS

D.D. HOLE SECTION



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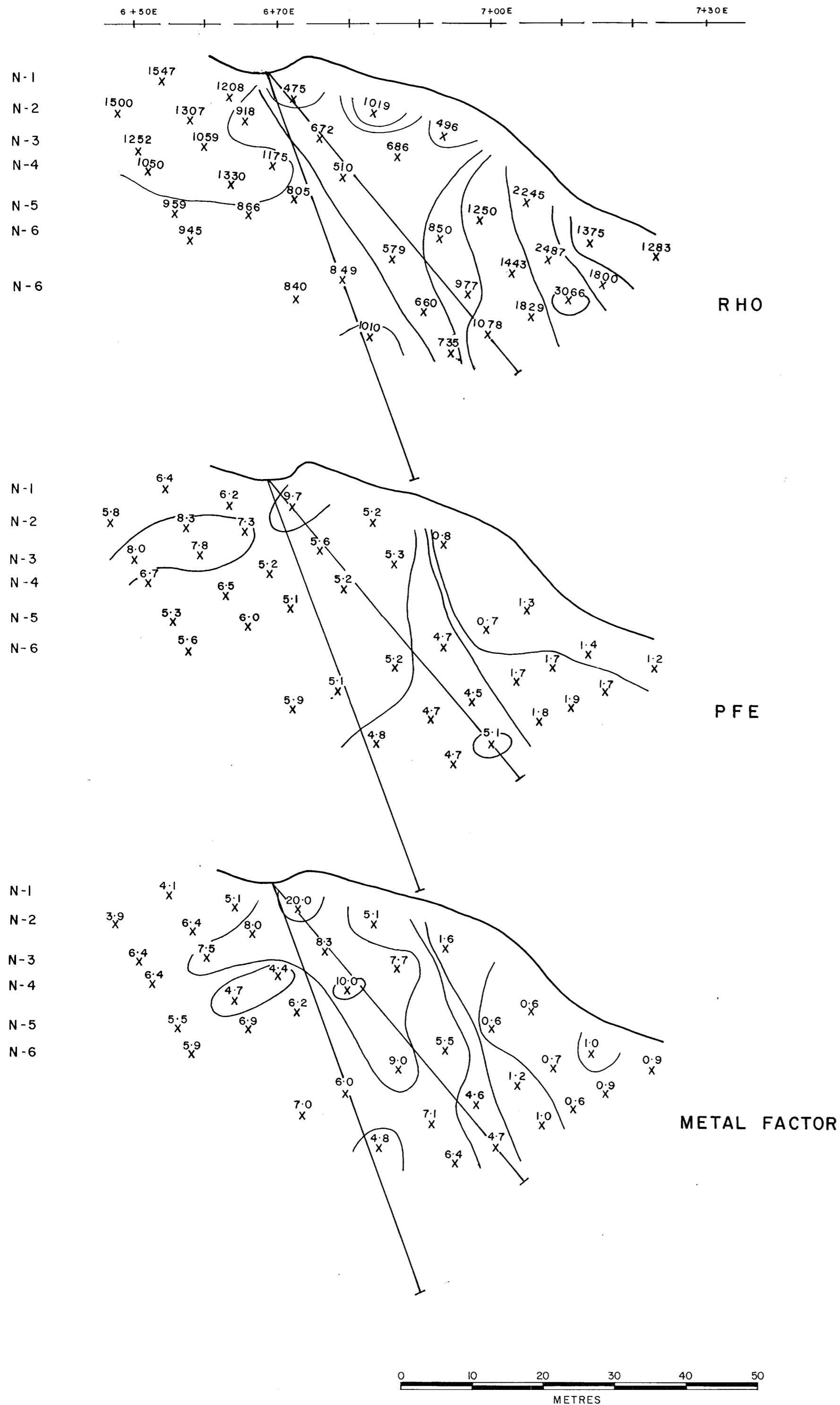
PROJECT : SPILLIMACHEEN (DEB) PROVINCE : BRITISH COLUMBIA

DWG. No. : DEB - 83 - 12 N.T.S. : 82 K / 14

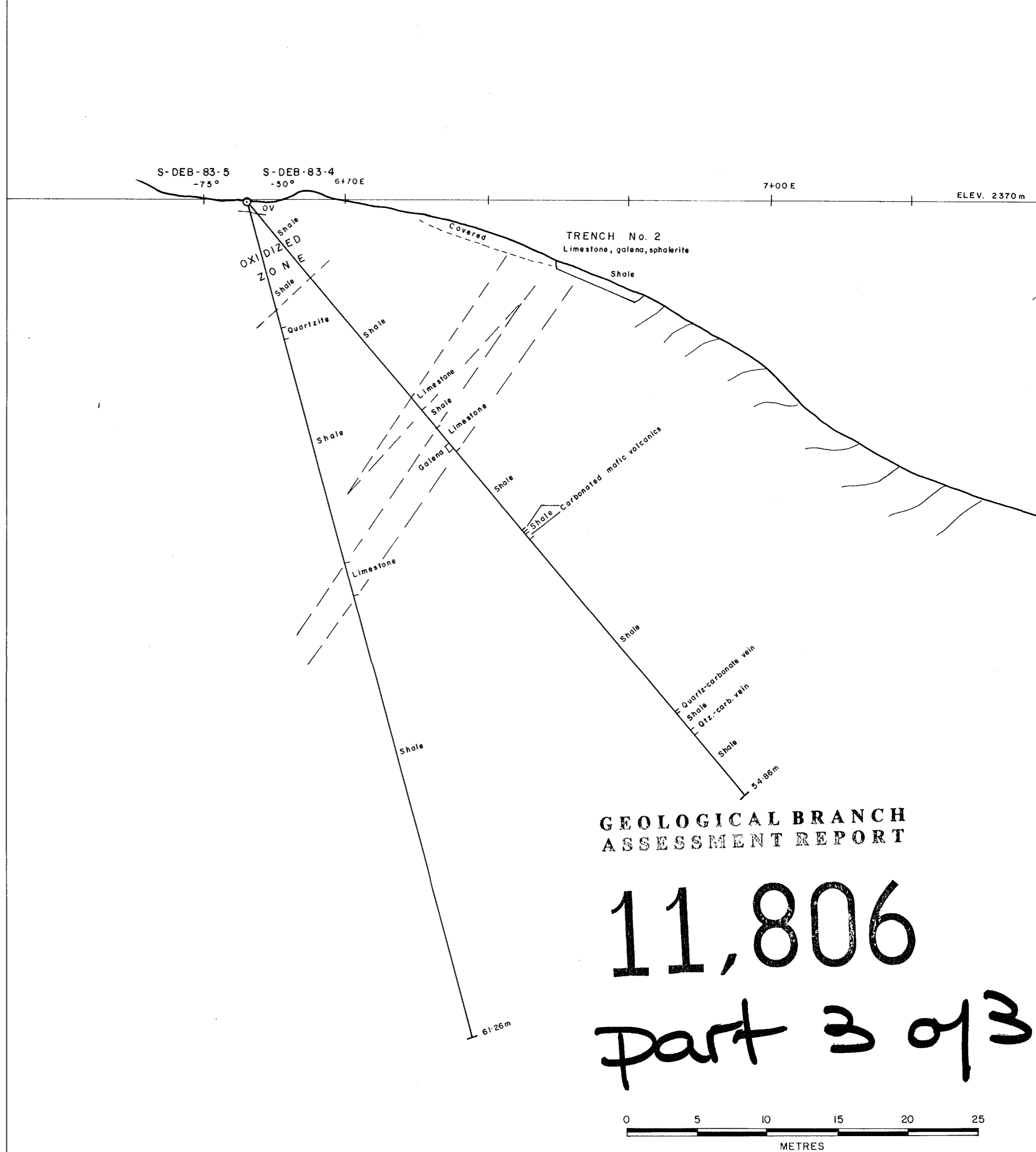
MALACHITE CREEK
DIAMOND DRILL SECTION
8 + 3 IN

D.D.H. : S-DEB - 83 - 2

I. P. PSEUDO SECTIONS



D. D. HOLE SECTION

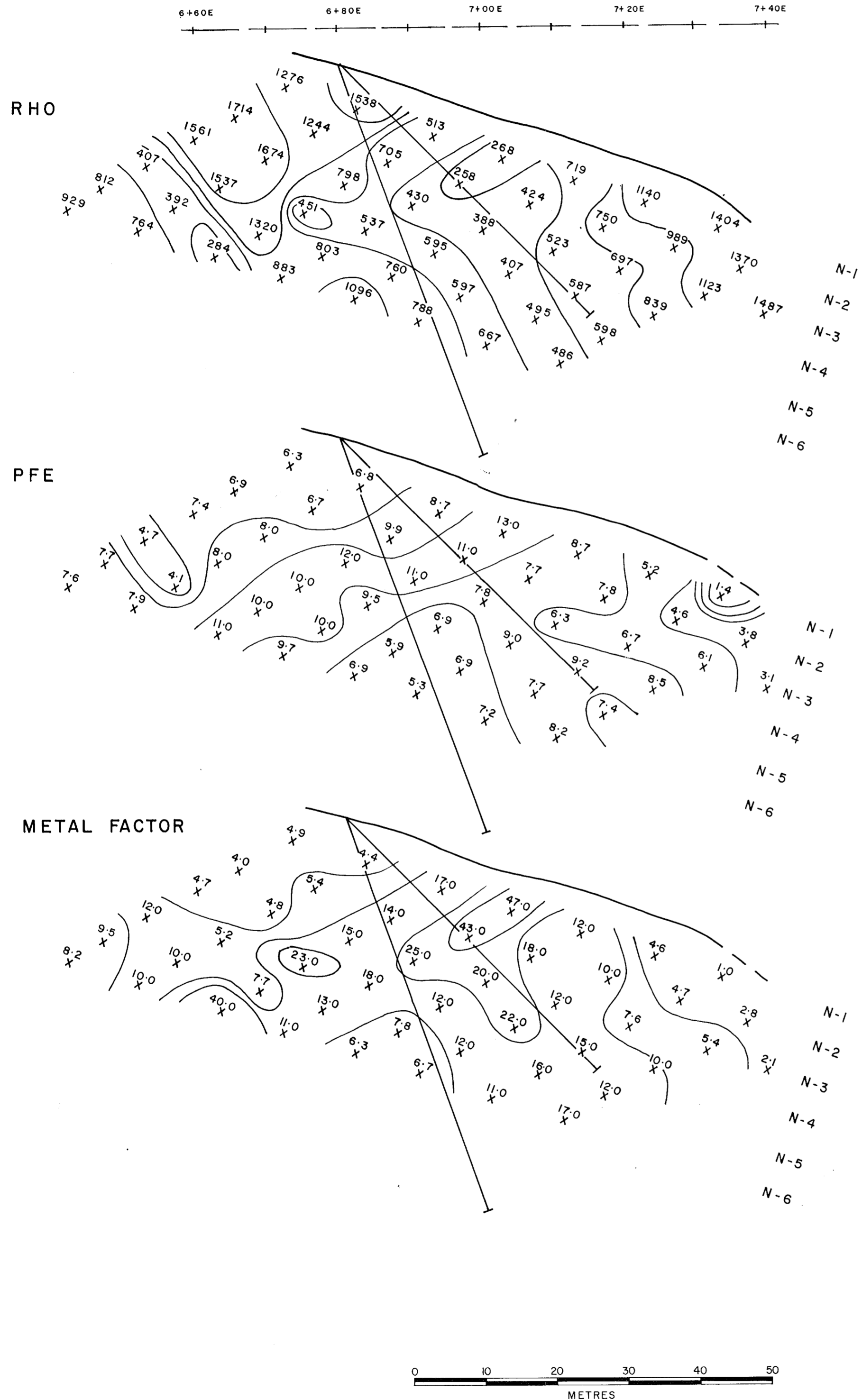


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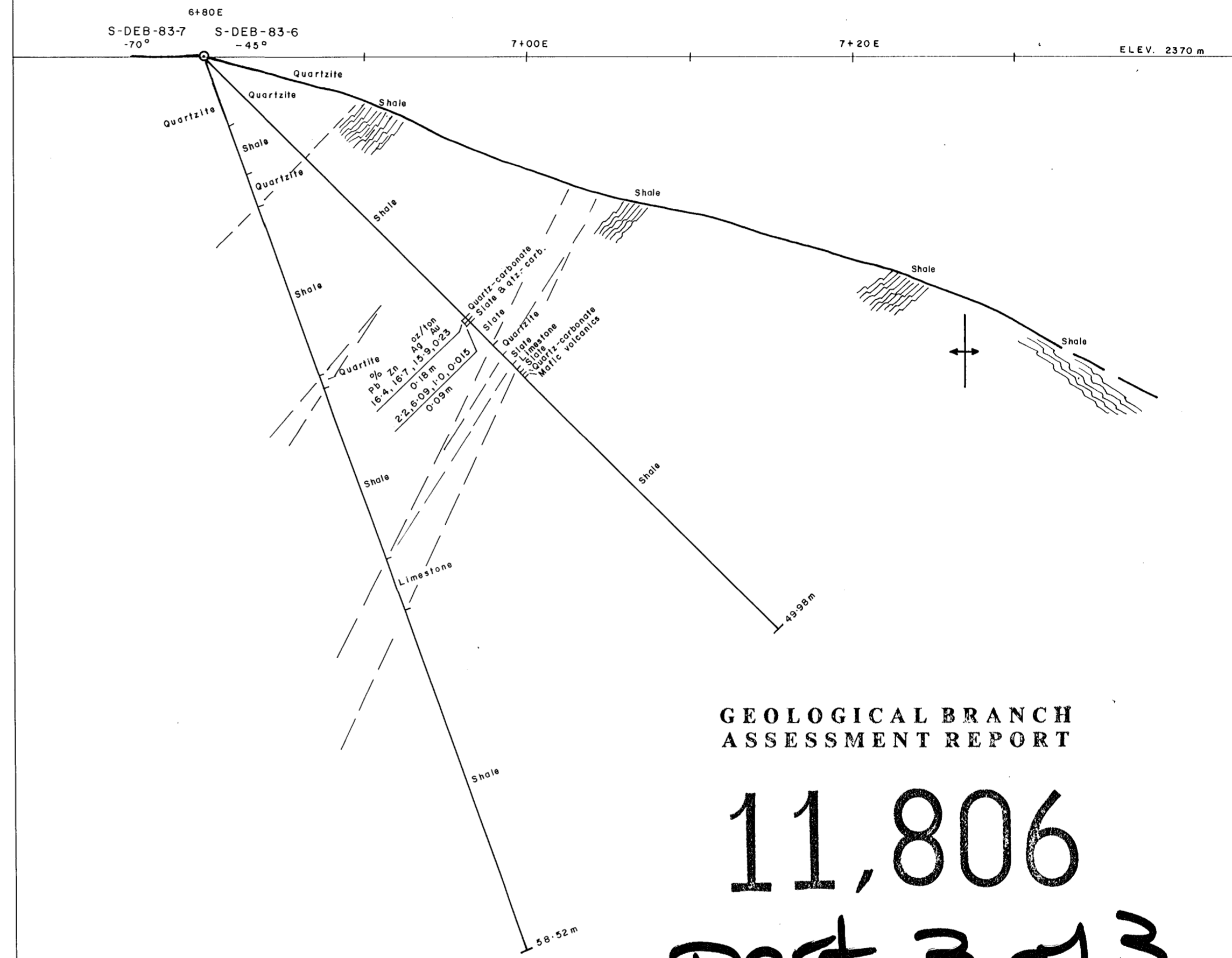
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Samim Canada Ltd.	
PROJECT : SPILLIMACHEEN (DEB)	PROVINCE : BRITISH COLUMBIA
DWG. No. : DEB - 83 - 13	N.T.S. : 82 K / 14
MALACHITE CREEK DIAMOND DRILL SECTION 10 + 15 N D.D.H.s : S-DEB - 83 - 4&5	

I.P. PSEUDO SECTIONS



D.D. HOLE SECTION

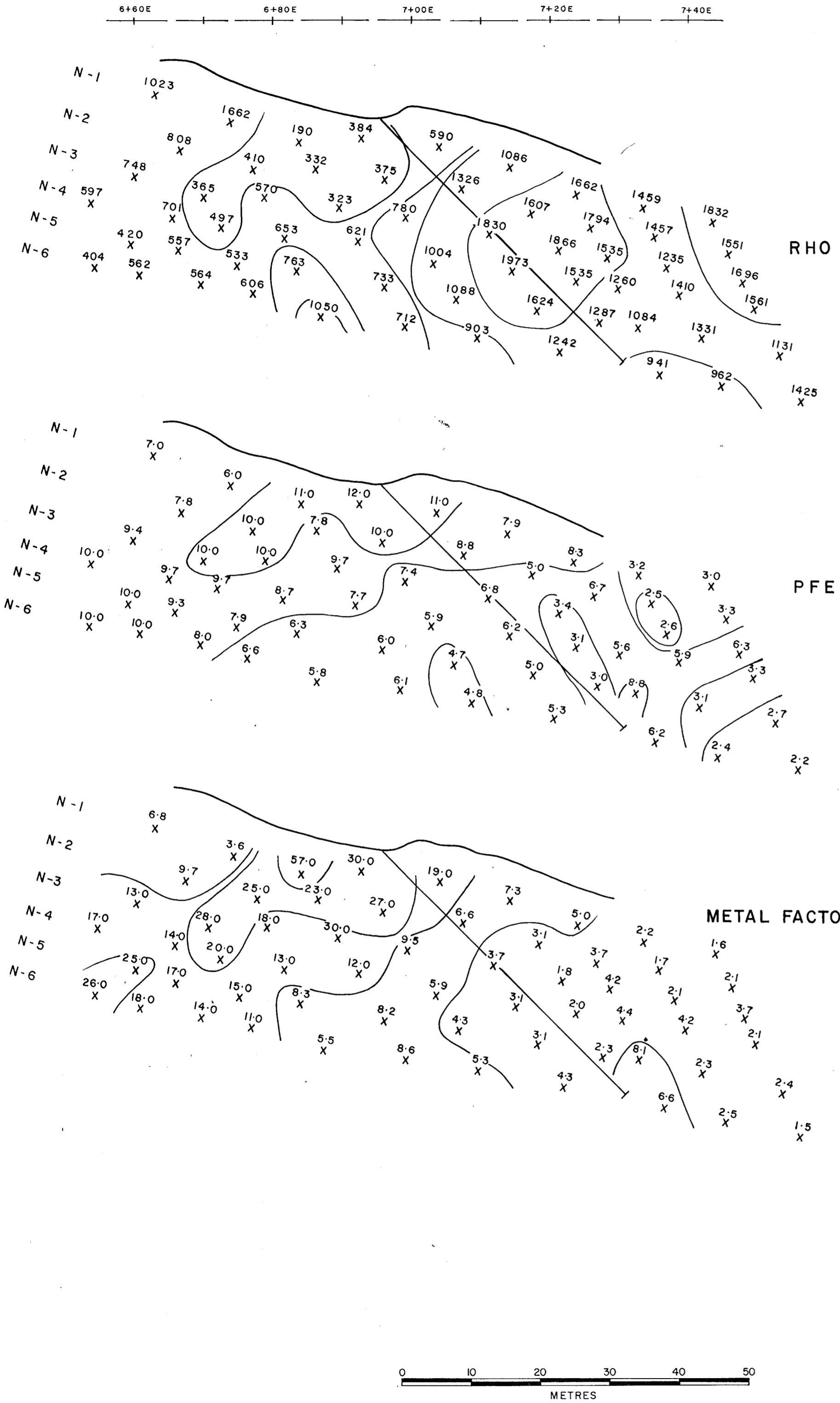


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ASSESSMENT REPORT

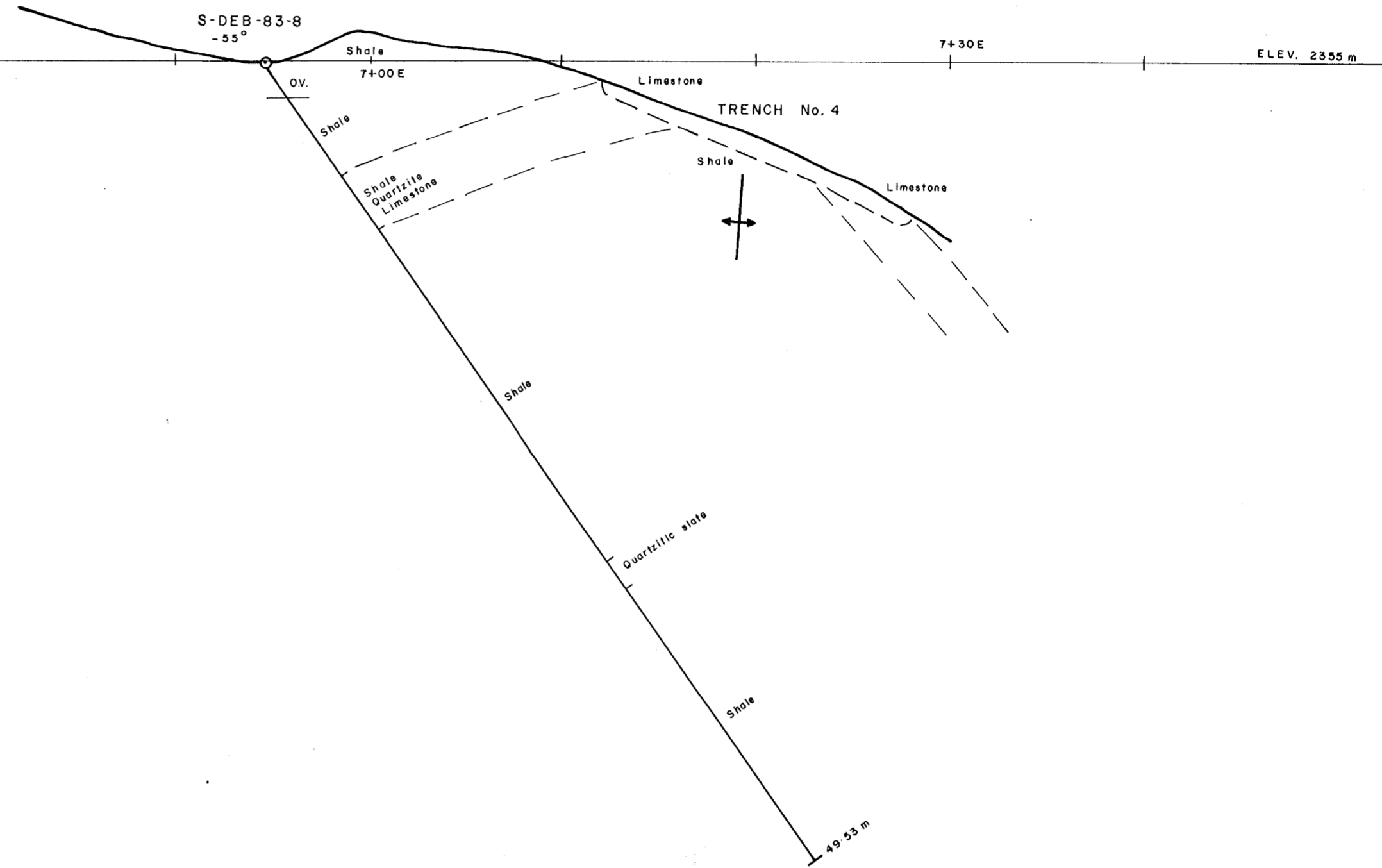
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Samim Canada Ltd.	
PROJECT : SPILLIMACHEEN (DEB)	PROVINCE : BRITISH COLUMBIA
DWG. No. : DEB - 83 - 14	N.T.S. : 82 K / 14
MALACHITE CREEK DIAMOND DRILL SECTION: 11+50 N D.D.H's : S-DEB-83 - 6 & 7	

I. P. PSEUDO SECTIONS



D. D. HOLE SECTION



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ASSESSMENT REPORT

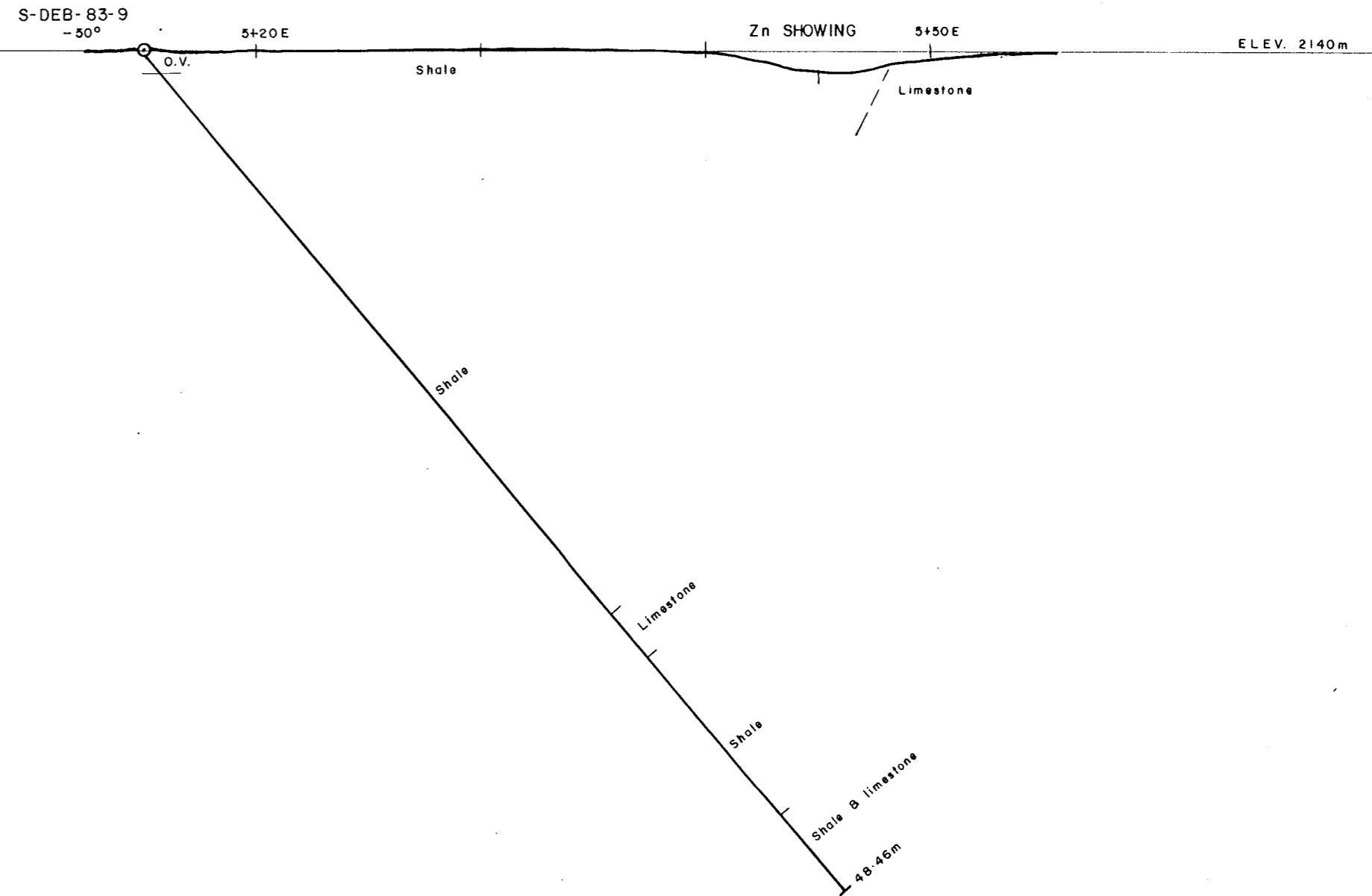
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PROJECT : SPILLIMACHEEN (DEB)	PROVINCE : BRITISH COLUMBIA
DWG. No. : DEB - 83 - 15	N.T.S. : 82 K/14
MALACHITE CREEK DIAMOND DRILL SECTION 12+63N D.D.H. : S-DEB - 83 - 8	

I. P. PSEUDO SECTIONS

D. D. HOLE SECTION



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Samim Canada Ltd.

PROJECT : SPILLIMACHEEN (DEB)	PROVINCE : BRITISH COLUMBIA
DWG. No. : DEB - 83 - 16	N.T.S. : 82 K / 14

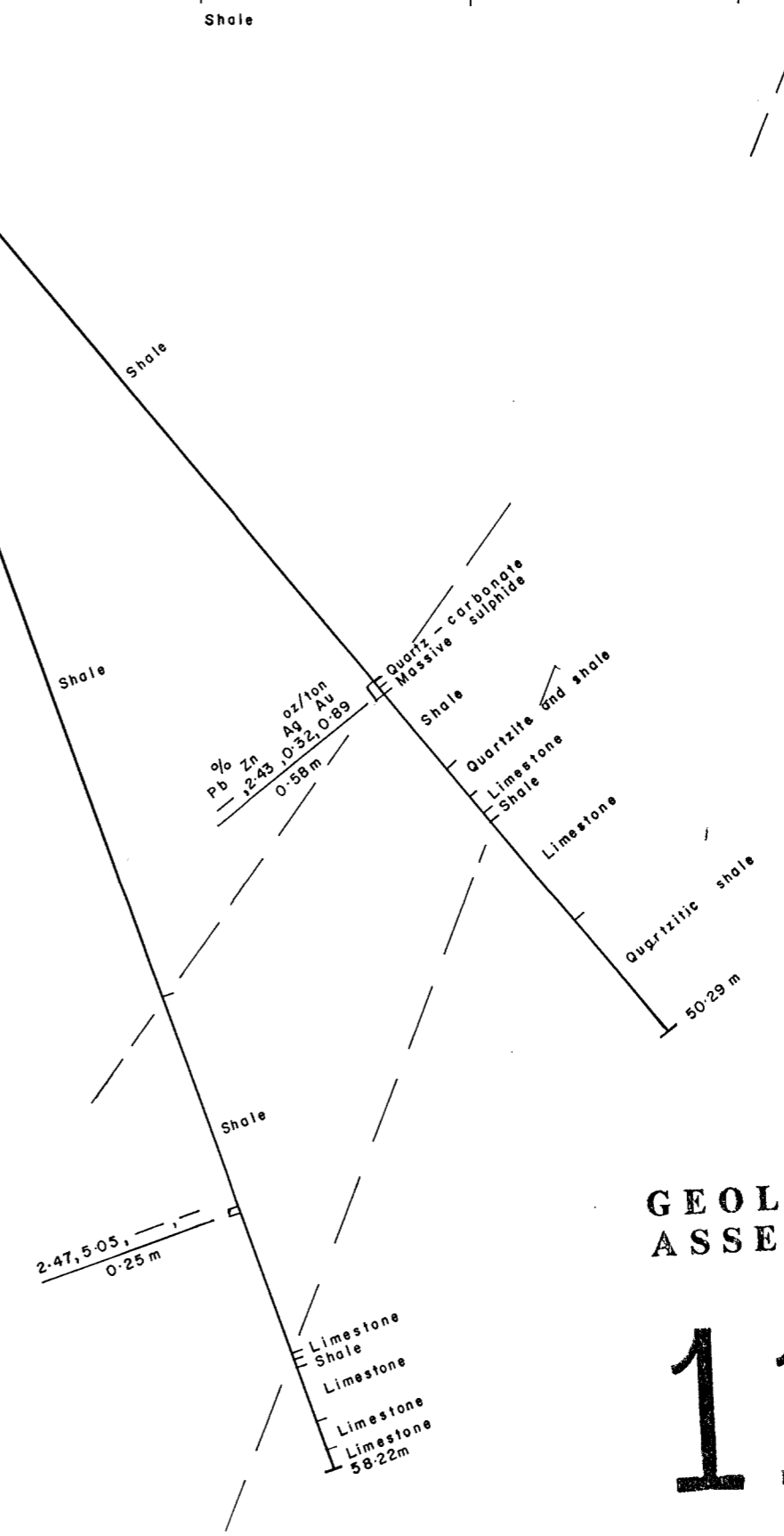
MALACHITE CREEK
DIAMOND DRILL SECTION
21+40N

D.D.H. : S-DEB-83-9

I. P. PSEUDO SECTIONS

D. D. HOLE SECTION

5+15 E
 S-DEB-83-11 -70° S-DEB-83-10 -45°
 ELEV. 2155m



GEOLOGICAL BRANCH
 ASSESSMENT REPORT

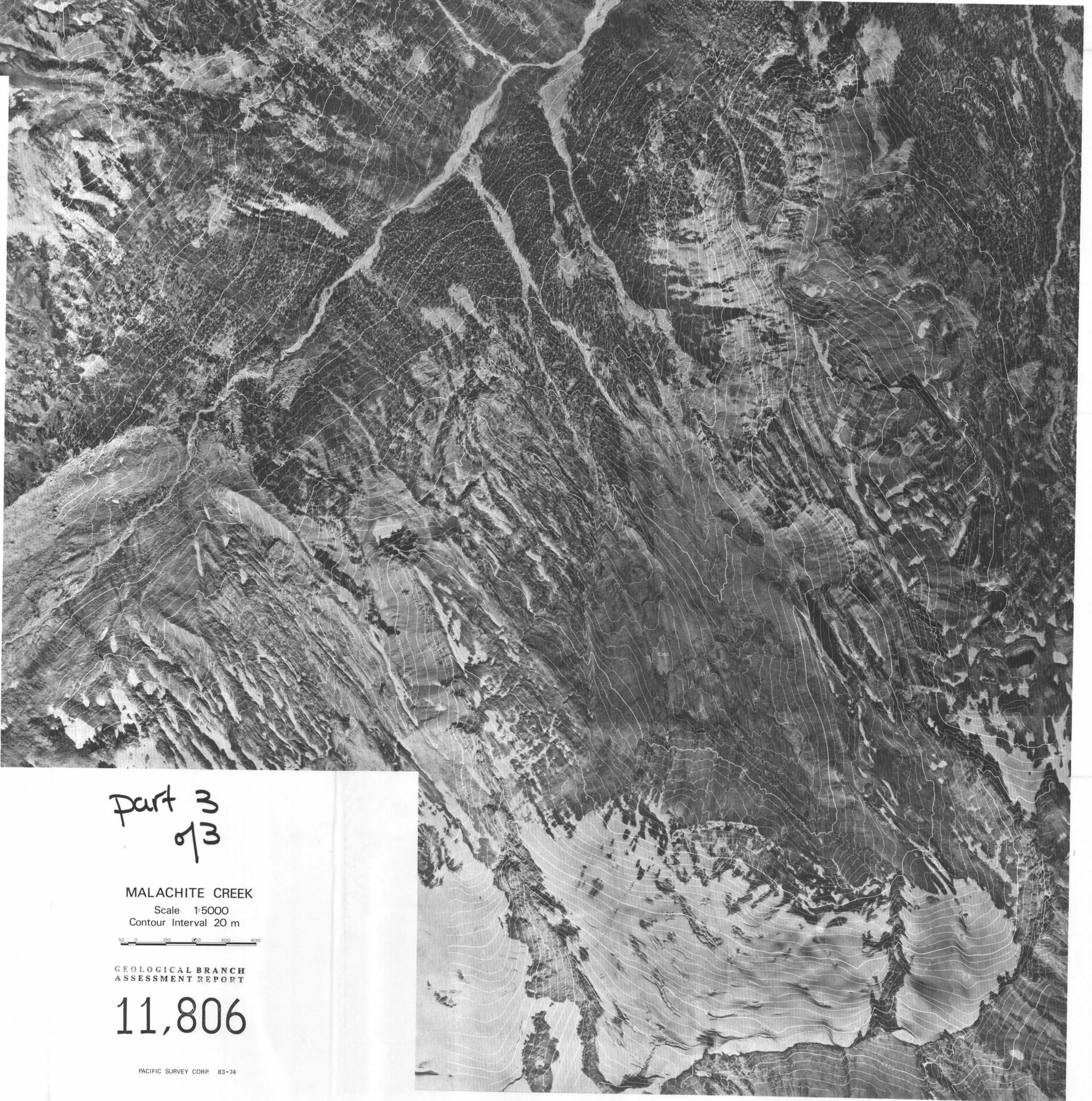
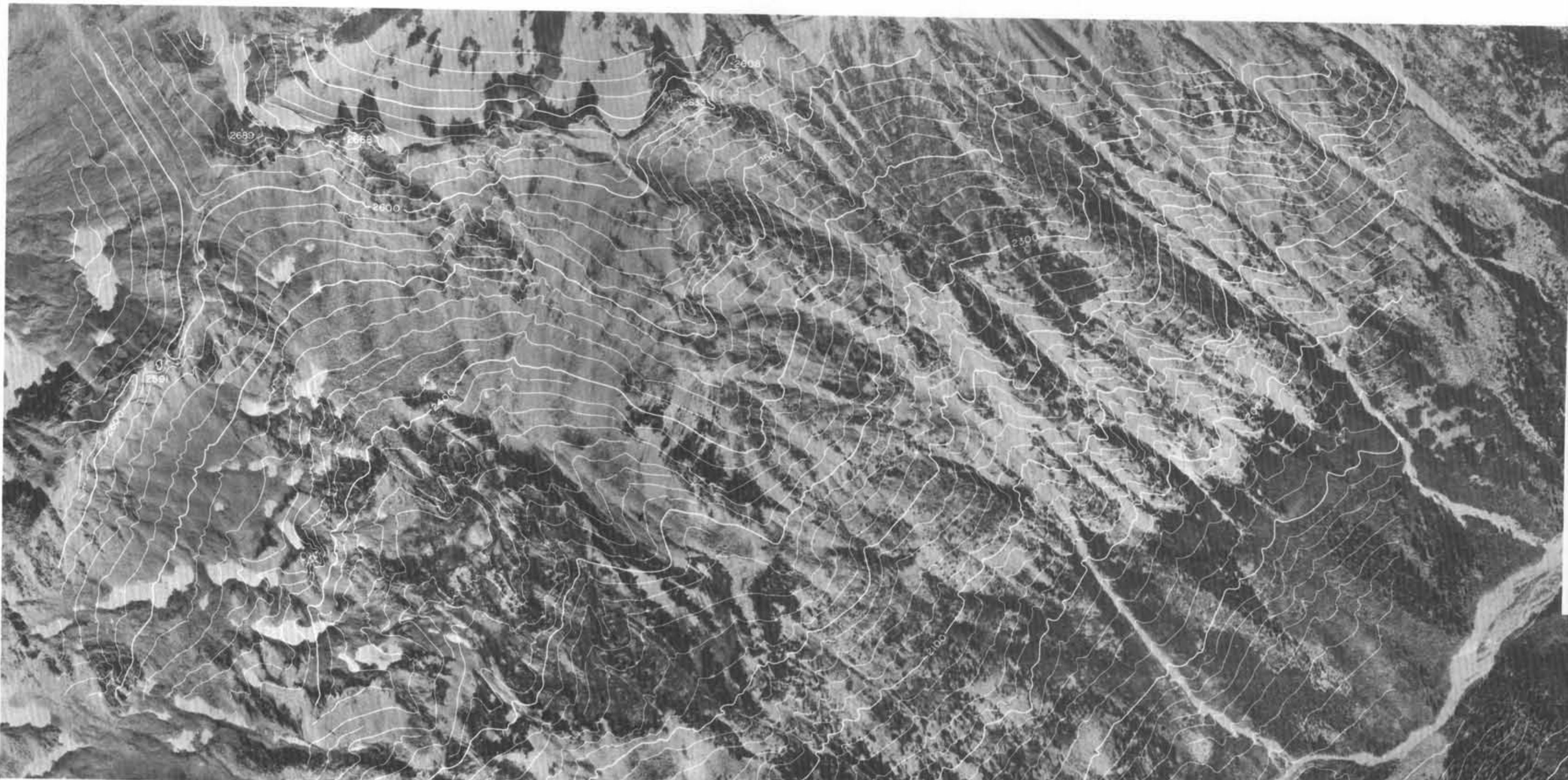
11,806
 Part 3 of 3



Samim Canada Ltd.

PROJECT: SPILLIMACHEEN (DEB) PROVINCE: BRITISH COLUMBIA
 DWG. No.: DEB - 83 - 17 N.T.S.: 82 K / 14

MALACHITE CREEK
 DIAMOND DRILL SECTION:
 21+10 N
 D.D.H's: S-DEB-83-10 & 11



part 3
of 3

MALACHITE CREEK
Scale 1:5000
Contour Interval 20 m



GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,806

Part 3 of 3

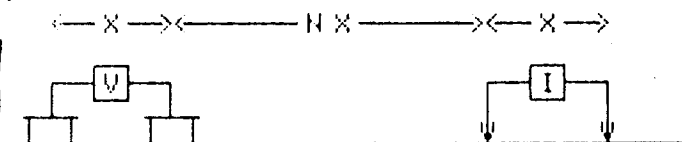
SAMIM CANADA LTD.

DEB CLAIMS; MALACHITE GRID

GOLDEN M.D.; B.C.

LINE NO. -19+50N

11,806



PLOTTING POINT x X=50M

SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
 PROBABLE
 POSSIBLE

FREQUENCY (HERTZ)
 4.0; 0.25

DATE SURVEYED: AUG 1983
 APPROVED

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

PAC
 DATE Oct. 31/83

PHOENIX GEOPHYSICS LTD.

INDUCED POLARIZATION
 AND RESISTIVITY SURVEY

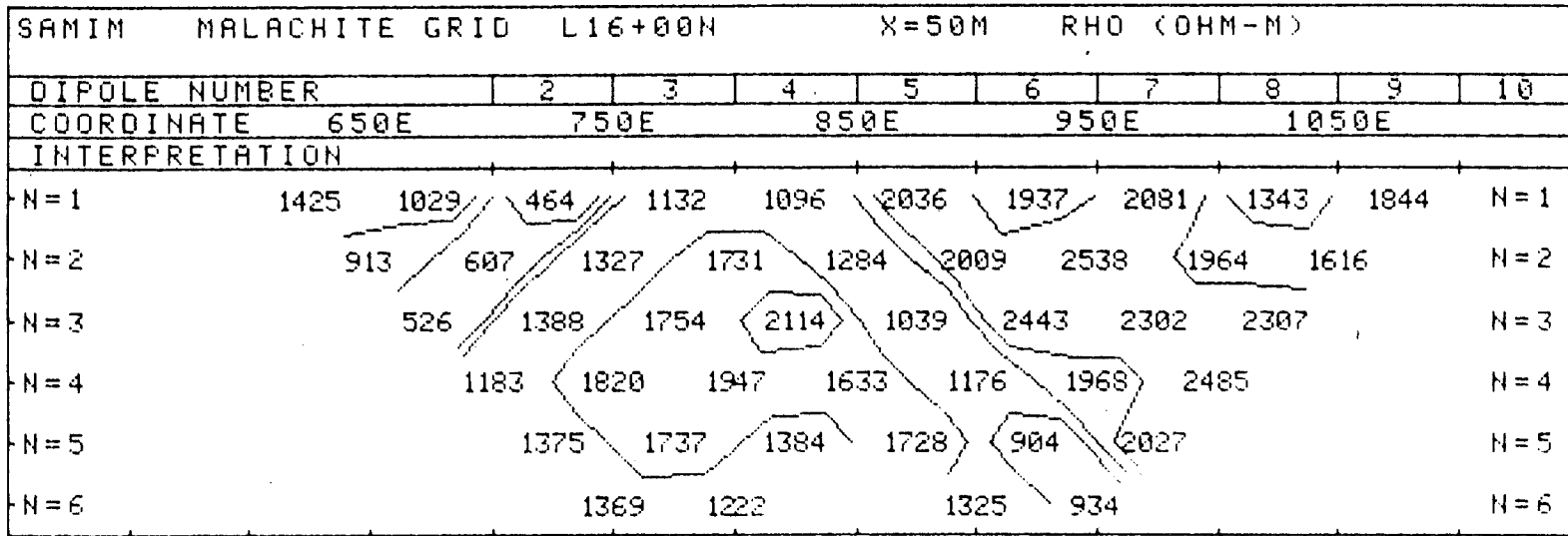
GEOELECTRIC ASSESSMENT REPORT

SAMIM MALACHITE GRID L19+50N		X=50M RHO (OHM-M)									
DIPOLE NUMBER	2	3	4	5	6	7	8	9	10	11	
COORDINATE	650E	750E	850E	950E	1050E	1150E					
INTERPRETATION											
N=1	2058	1805	1056	1182	1306	1399	1841	739	1372	2483	N=1
N=2	975	896	1000	1687	1510	1904	1148	1010	2187	1570	N=2
N=3	1312	871	1366	1979	1926	1023	1217	1478	1689		N=3
N=4	1172	1229	1478	2269	1035	979	1603	1161			N=4
N=5	1628	1219	1632	1247	874	1206	1331				N=5
N=6	1001	1281		851	1086	972					N=6

SAMIM MALACHITE GRID L19+50N		X=50M PFE									
DIPOLE NUMBER	2	3	4	5	6	7	8	9	10	11	
COORDINATE	650E	750E	850E	950E	1050E	1150E					
INTERPRETATION											
N=1	3.7	3.4	2.2	1.3	1.2	1.7	4.2	3.2	2.7	2.5	N=1
N=2	5.4	4.2	2.3	2.1	2.1	2.6	3.7	3.2	4.5	7.8	N=2
N=3	5.5	4.2	2.3	1.8	4.1	4.5	4.4	4.8	3.5		N=3
N=4	6.2	4.3	2.9	2.8	4.3	3.8	4.3	4.5			N=4
N=5	6.2	4.9	4.4	4.2	4.7	3.9	4.5				N=5
N=6	7.8	5.8		4.2	4.7	4.9					N=6

SAMIM MALACHITE GRID L19+50N		X=50M METAL FACTOR									
DIPOLE NUMBER	2	3	4	5	6	7	8	9	10	11	
COORDINATE	650E	750E	850E	950E	1050E	1150E					
INTERPRETATION											
N=1	1.8	1.9	2.1	1.1	.9	1.2	2.3	4.3	2	1	N=1
N=2	5.5	4.7	2.3	1.2	1.4	1.4	3.2	3.2	2.1	5	N=2
N=3	4.2	4.8	1.7	.9	2.1	4.4	3.6	3.2	2.1		N=3
N=4	5.3	3.5	2	1.2	4.2	3.9	2.7	3.9			N=4
N=5	3.8	4	2.7	3.4	5.4	3.2	3.4				N=5
N=6	7.8	4.5		4.9	4.3	5					N=6

part 3 of 3



GEOLOGICAL REPORT

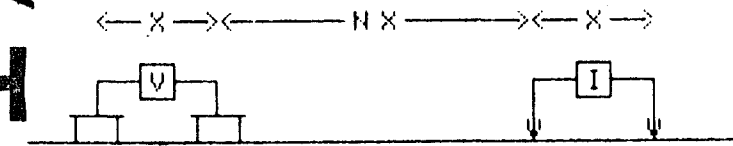
SAMIM CANADA LTD.

DEB CLAIMS; MALACHITE GRID

GOLDEN M D B.C.

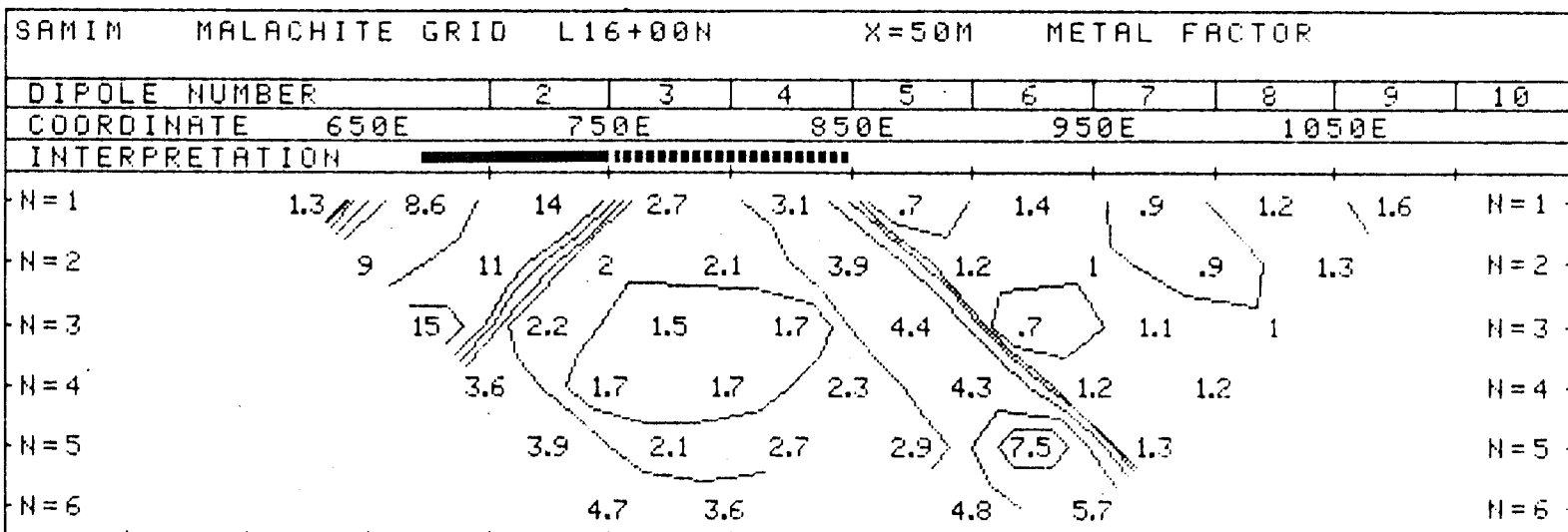
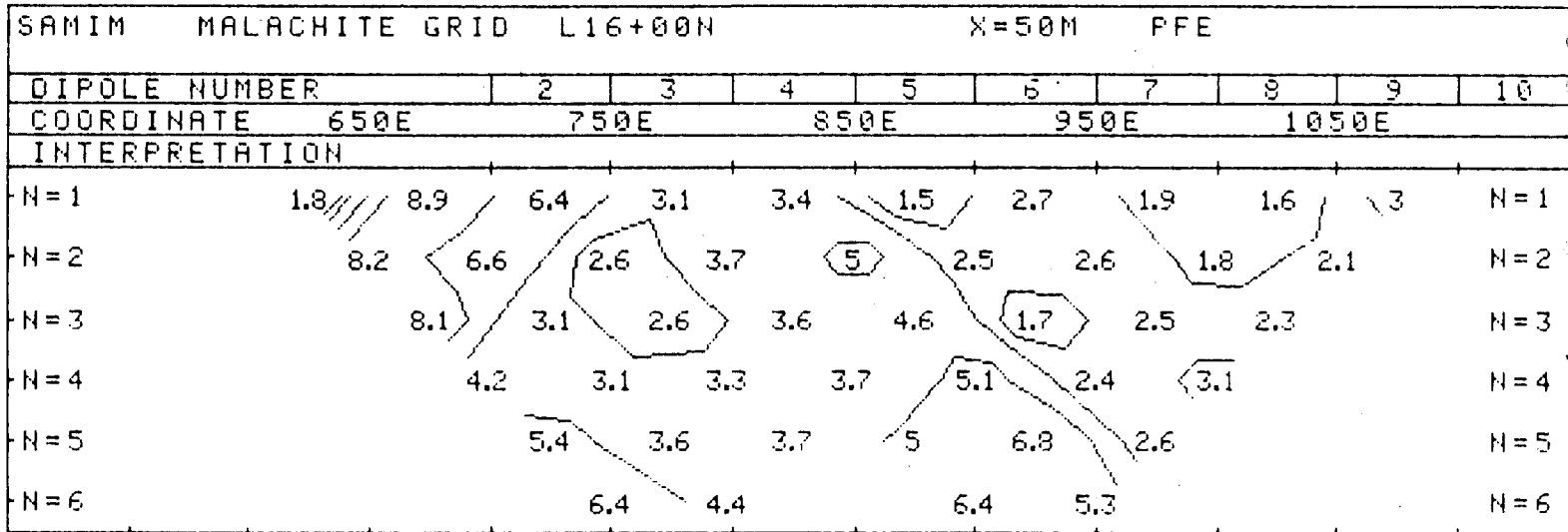
LINE NO. -16+00N

11,806



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
 PROBABLE
 POSSIBLE



FREQUENCY (HERTZ)
4 0; 0.25

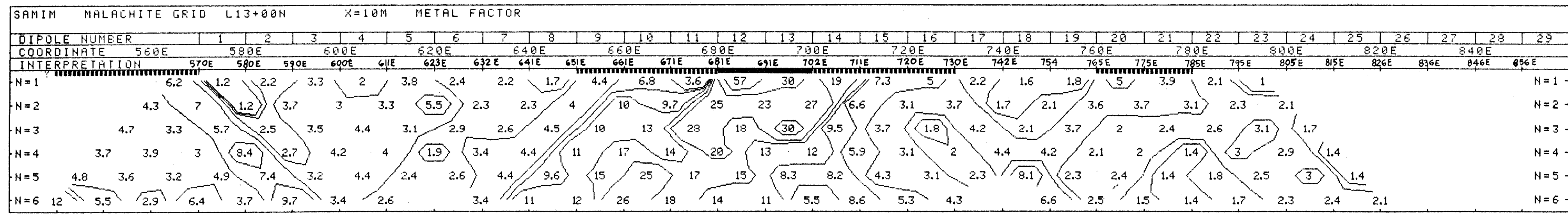
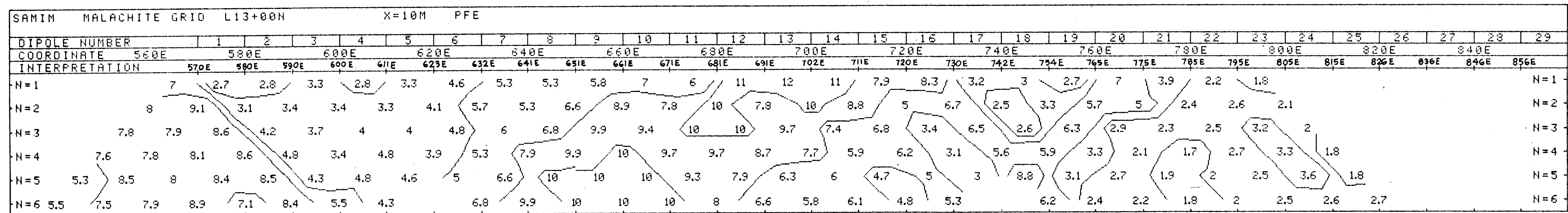
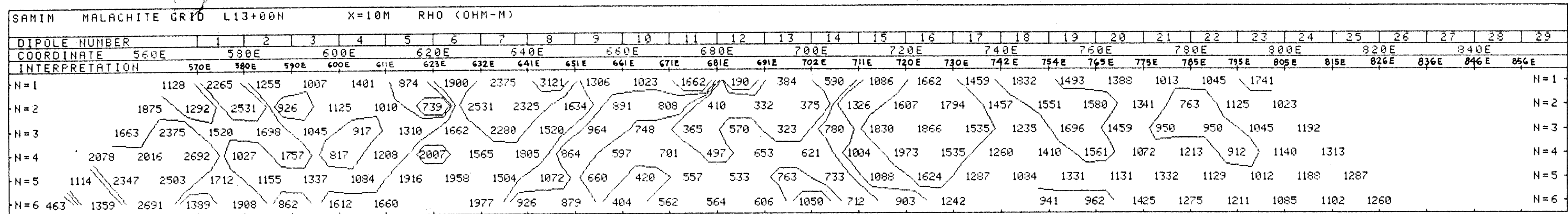
DATE SURVEYED: AUG 1983
APPROVED

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

PAC
DATE Oct. 31/83

PHOENIX GEOPHYSICS LTD.

INDUCED POLARIZATION
AND RESISTIVITY SURVEY

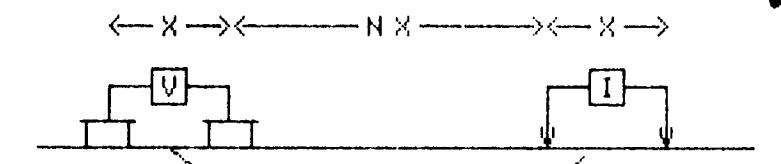


SAMIM CANADA LTD.

DEB CLAIMS; MALACHITE GRID
GOLDEN M.D., B.C.

LINE NO. -13+00N

Part 3 of 3



PLOTTING POINT X X=10M

SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

GEOLOGICAL BRANCH ASSESSMENT REPORT

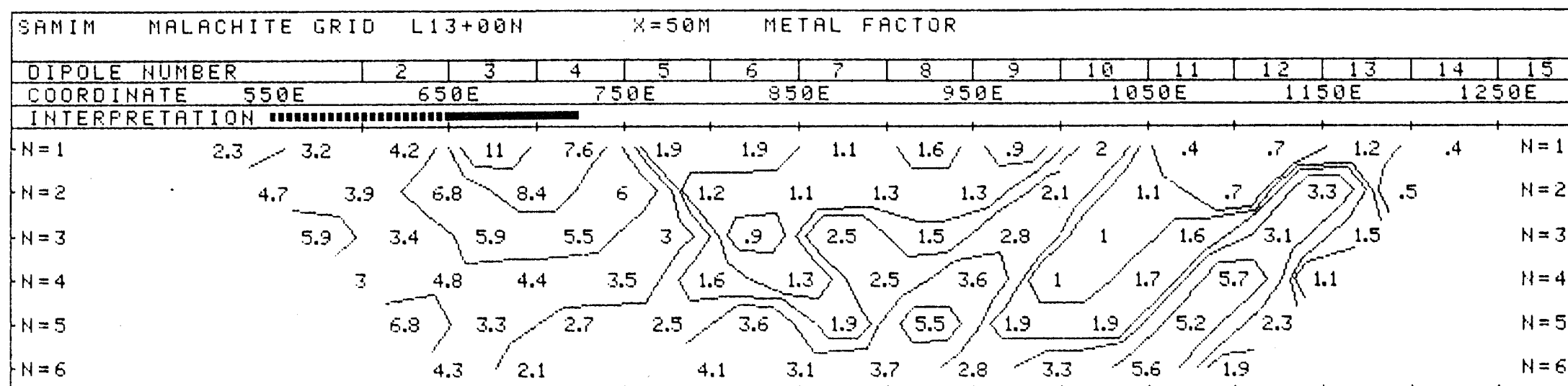
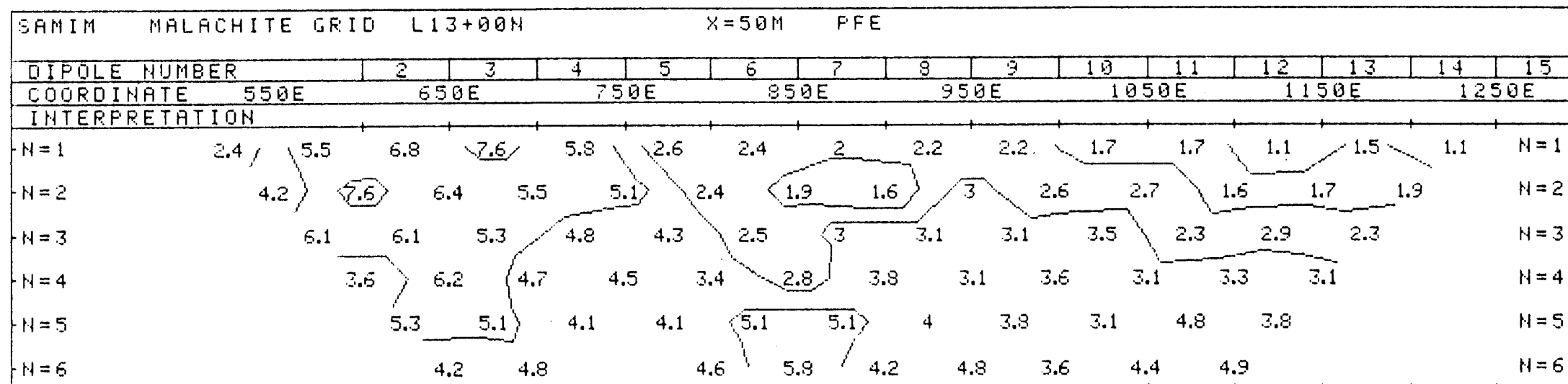
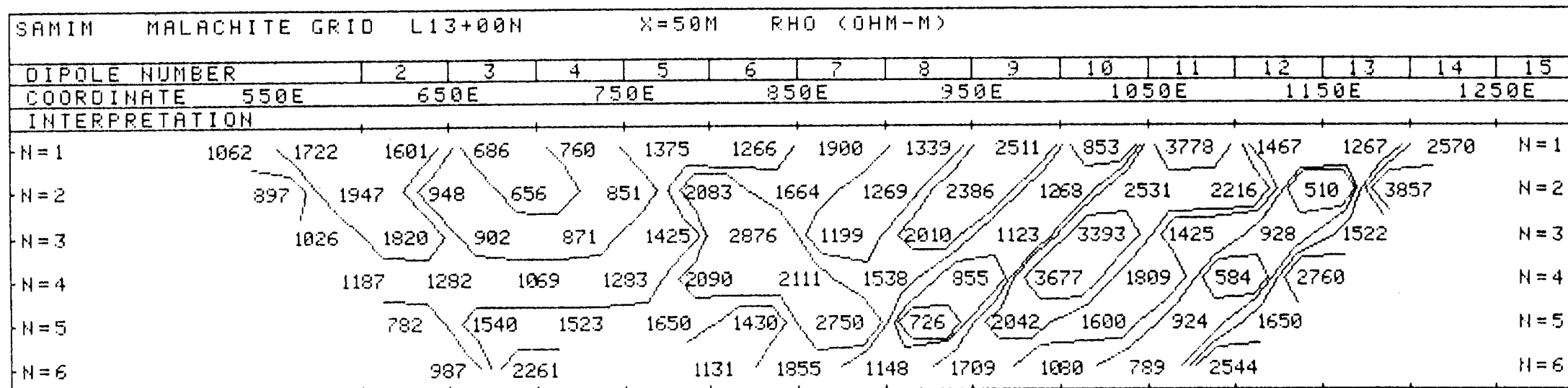
11,806

FREQUENCY (HERTZ) 4.0; 0.25 DATE SURVEYED: AUG 1983 APPROVED

NOTE- CONTOURS AT LOGARITHMIC INTERVALS: 1, -1.5, -2, -3, -5, -7.5, -10
DATE Oct 31/83

PHOENIX GEOPHYSICS LTD.

INDUCED POLARIZATION AND RESISTIVITY SURVEY



GEOLOGICAL BRANCH ASSESSMENT REPORT

11,8006

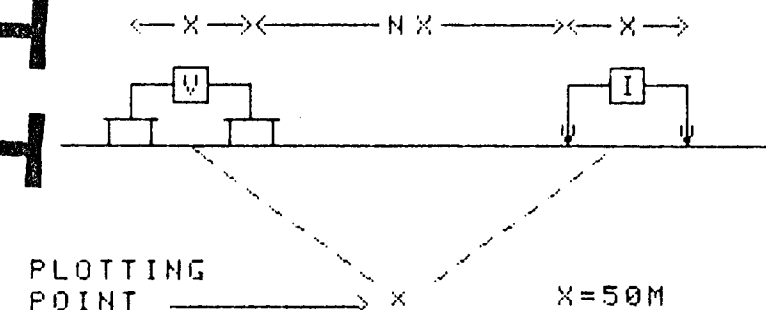
SAMIM CANADA LTD.

DEB CLAIMS; MALACHITE GRID

GOLDEN M.D.; B.C.

LINE NO. -13+00N

Part 3 of 3



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
 PROBABLE
 POSSIBLE

FREQUENCY (HERTZ) 4.0; 0.25 DATE SURVEYED: AUG 1983
 APPROVED

NOTE- CONTOURS AT LOGARITHMIC INTERVALS: 1, -1.5, -2, -3, -5, -7.5, -10 DATE Oct 31/83

PHOENIX GEOPHYSICS LTD.

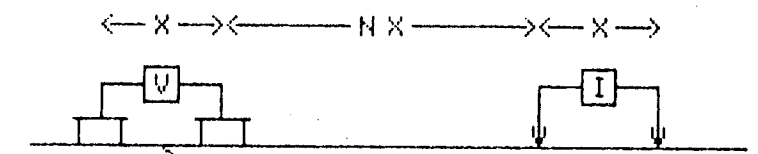
INDUCED POLARIZATION AND RESISTIVITY SURVEY

SAMIM CANADA LTD.

DEB CLAIMS, MALACHITE GRID
GOLDEN M.D., B.C.

LINE NO. - 10+00N

Part 3 of 3



PLOTTING POINT X X=10M

SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE 
PROBABLE 
POSSIBLE 

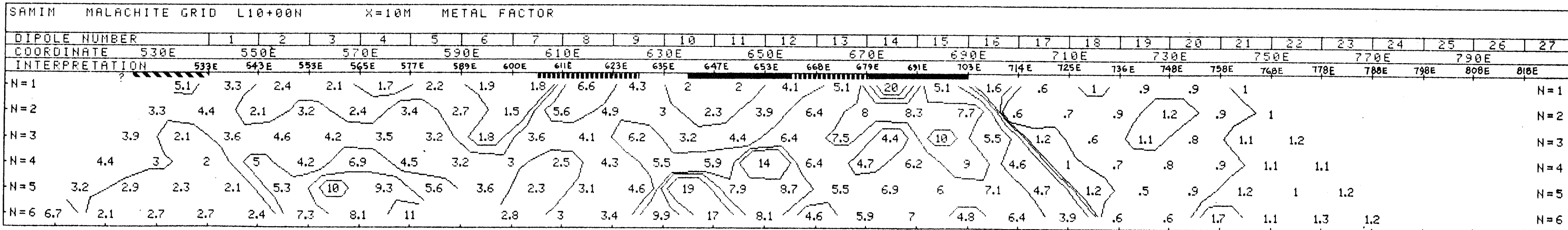
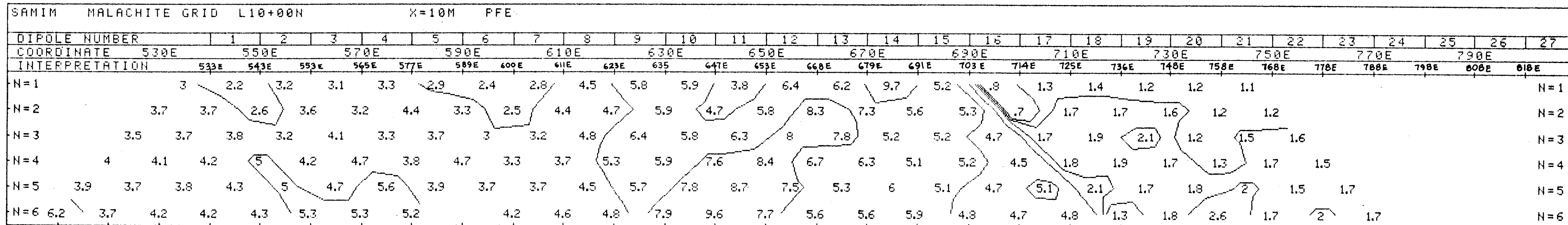
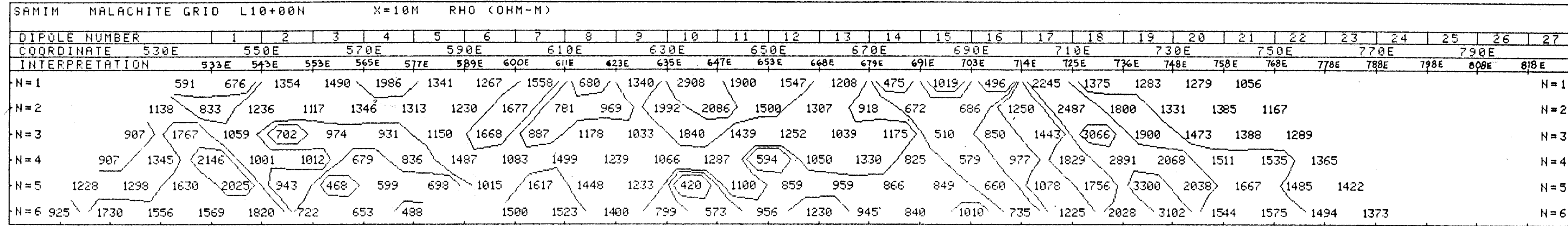
GEOLOGICAL BRANCH ASSESSMENT REPORT

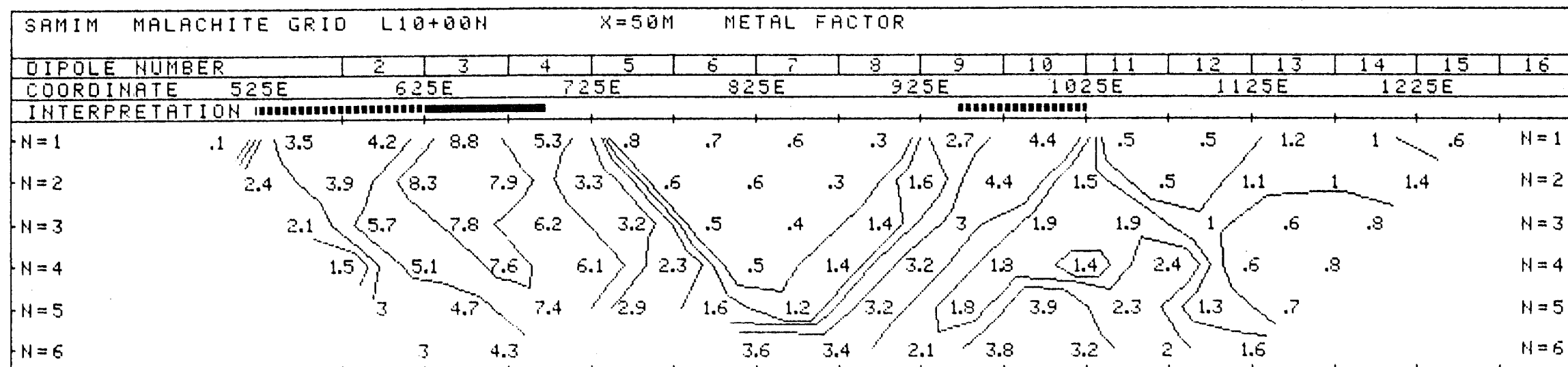
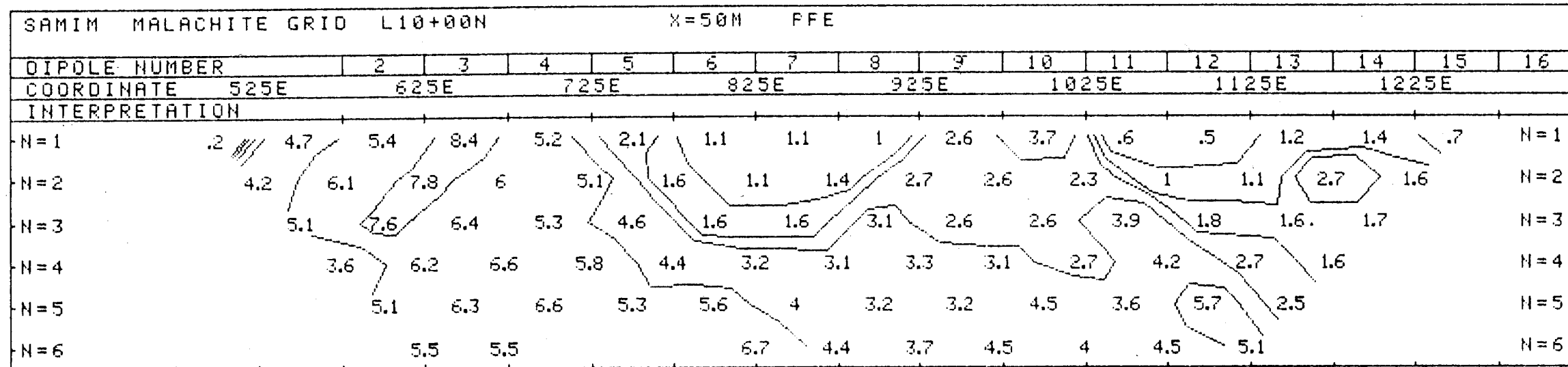
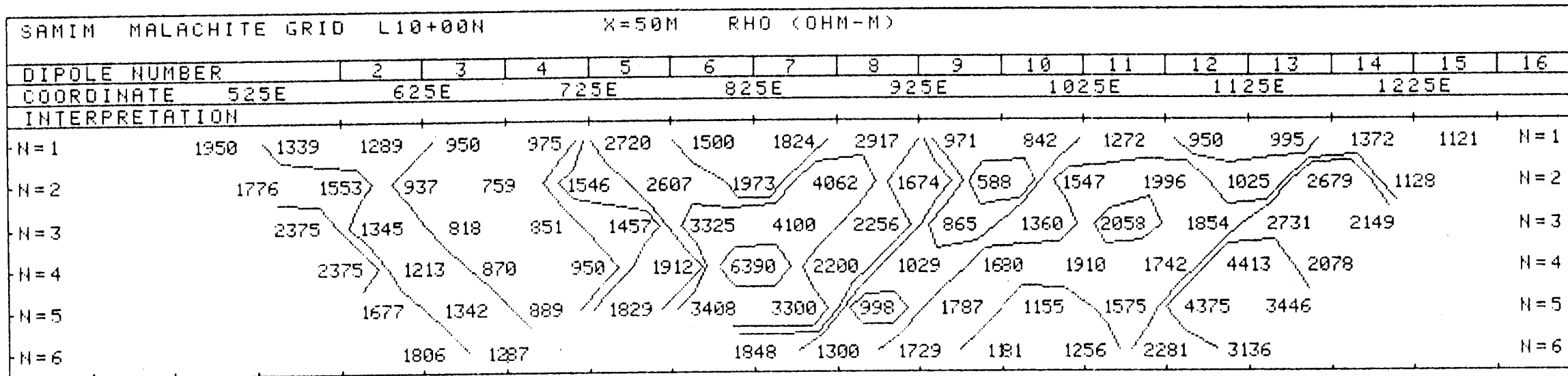
11,806

FREQUENCY (HERTZ) 4.0/0.25 DATE SURVEYED: AUG 1983
APPROVED: PAC
NOTE - CONTOURS AT LOGARITHMIC INTERVALS: 1, -1.5, -2, -3, -5, -7.5, -10 DATE: Oct. 31/83

PHOENIX GEOPHYSICS LTD.

INDUCED POLARIZATION AND RESISTIVITY SURVEY





GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,8006

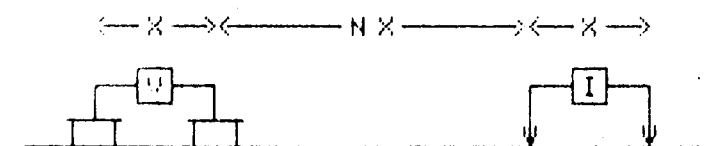
SAMIM CANADA LTD.

DEB CLAIMS; MALACHITE GRID

GOLDEN M.D.; B.C.

LINE NO. -10+00N

part 3 of 3



PLOTTING POINT X X=50M

SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

FREQUENCY (HERTZ)
4.0; 0.25

DATE SURVEYED: AUG 1983
APPROVED

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

PAC

DATE Oct. 31/83

PHOENIX GEOPHYSICS LTD.

INDUCED POLARIZATION
AND RESISTIVITY SURVEY

SAMIM MALACHITE GRID L7+50N X=50M RHO (OHM-M)																	
DIPOLE NUMBER	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
COORDINATE	500E	600E	700E	800E	900E	1000E	1100E	1200E									
INTERPRETATION																	
N=1	1644	1781	922	760	950	1509	1319	1727	897	1995	454	1805	1108	786	1238	N=1	
N=2		1371	1739	909	678	1100	1279	1635	1474	1423	693	665	2625	875	1473	1078	N=2
N=3			1620	1971	836	702	950	1732	1732	2159	559	831	972	1710	1472	1120	N=3
N=4				1900	1809	821	550	1247	1900	2906	907	592	1140	557	2533	998	N=4
N=5					1807	1581	616	803	1341	3105	1300	960	660	536	990	1685	N=5
N=6							1236	852	2244	1491	1341	1274	343	954	669		N=6

SAMIM MALACHITE GRID L7+50N X=50M PFE																	
DIPOLE NUMBER	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
COORDINATE	500E	600E	700E	800E	900E	1000E	1100E	1200E									
INTERPRETATION																	
N=1	3.2	5.4	6.1	7.1	6.1	1.5	1.5	1.5	1.6	3.7	3.4	2.7	1.9	2.5	2.2	N=1	
N=2		5.6	7.6	8.1	6.6	4	1.7	1.4	1.1	3	3	3.7	4.4	2.2	3.4	2.3	N=2
N=3			6.1	7.6	7.3	4.3	6.6	1.4	1.4	3	2.7	3.2	4.2	5.2	2.7	2.7	N=3
N=4				6.4	6.6	4.7	6.1	5.6	2.2	3.6	2.8	2.3	4.5	5.5	5.6	3.2	N=4
N=5					5.4	3.5	7.6	6.2	6.2	4.1	2.7	2.5	3.3	6.7	4.9	6.2	N=5
N=6							6.1	6.3	8.1	3.6	3.1	3.2	5.8	5.6	5.1		N=6

SAMIM MALACHITE GRID L7+50N X=50M METAL FACTOR																	
DIPOLE NUMBER	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
COORDINATE	500E	600E	700E	800E	900E	1000E	1100E	1200E									
INTERPRETATION																	
N=1	1.9	3	6.6	9.3	6.4	1	1.1	.9	1.8	1.9	7.5	1.5	1.7	3.2	1.8	N=1	
N=2		4.1	4.4	8.9	9.7	3.6	1.3	.9	.7	2.1	4.3	5.6	1.7	2.5	2.3	2.1	N=2
N=3			3.8	3.9	8.7	6.1	6.9	.8	.8	1.4	4.8	3.9	4.3	3	1.8	2.4	N=3
N=4				3.4	3.6	5.7	11	4.5	1.2	1.2	3.1	3.9	3.9	9.9	2.2	3.2	N=4
N=5					3	2.2	12	7.7	4.6	1.3	2.1	2.6	5	13	4.9	3.7	N=5
N=6							4.9	7.4	3.6	2.4	2.3	2.5	17	5.9	7.6		N=6

GEOLOGICAL BRANCH ASSESSMENT REPORT

11,806

part 3 of 3

SAMIM CANADA LTD.
 DEB CLAIMS; MALACHITE GRID
 GOLDEN M.D.; B.C.
 LINE NO. -7+50N

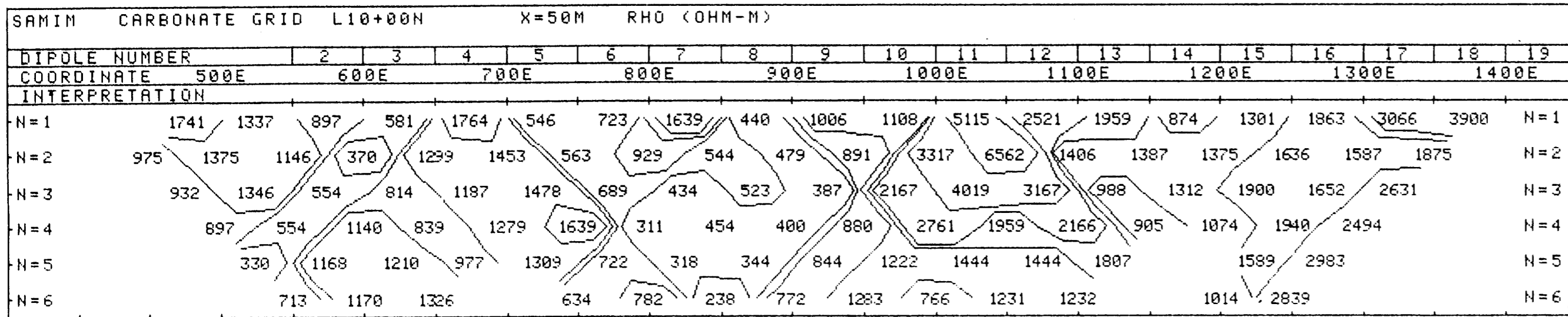
PLOTting POINT X X=50M

SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
 PROBABLE
 POSSIBLE

FREQUENCY (HERTZ) 4.0; 0.25 DATE SURVEYED: AUG 1983
 APPROVED _____
 NOTE- CONTOURS AT LOGARITHMIC INTERVALS: 1, -1.5, -2, -3, -5, -7.5, -10 DATE Oct. 31/83

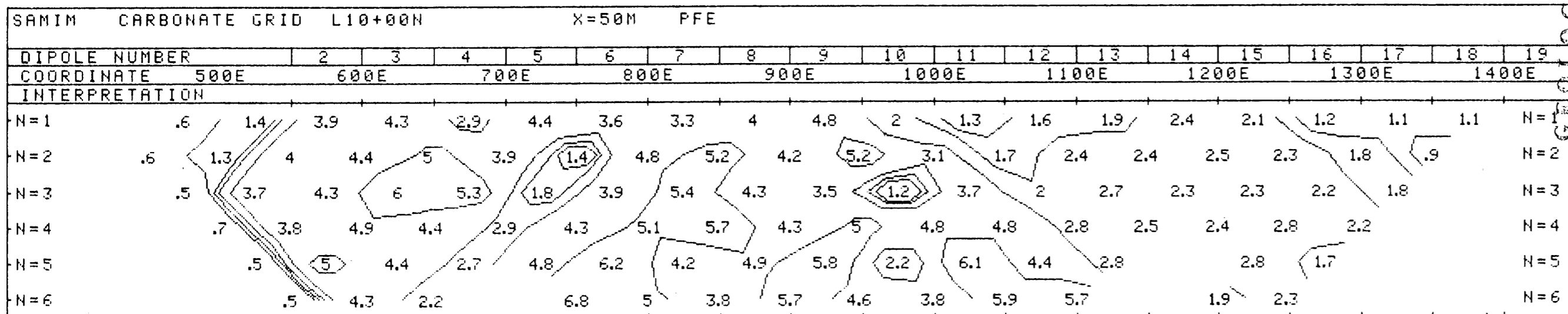
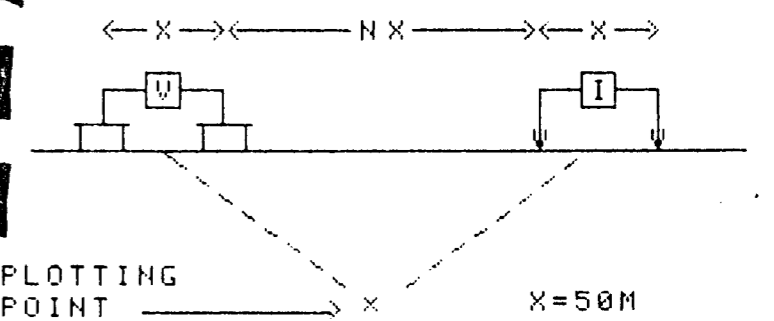
PHOENIX GEOPHYSICS LTD.
 INDUCED POLARIZATION
 AND RESISTIVITY SURVEY



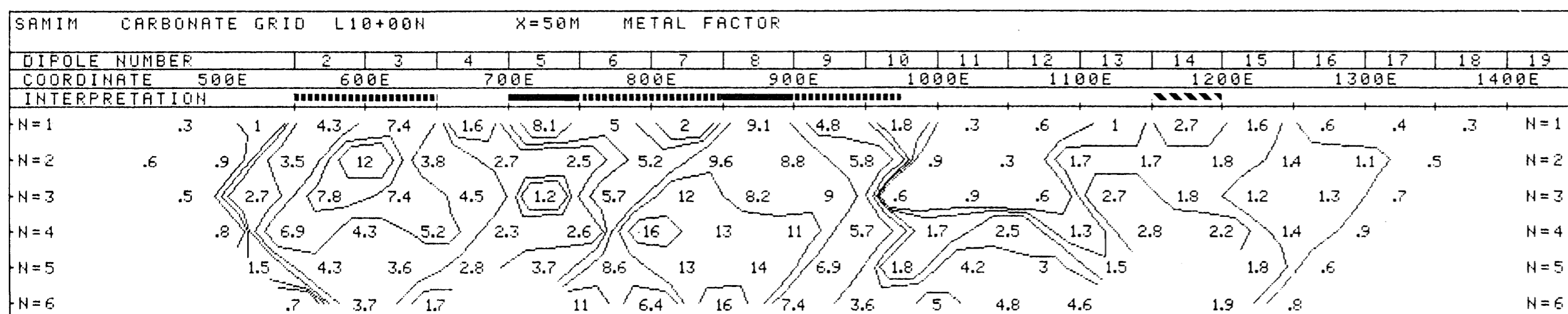
11,806

SAMIM CANADA LTD.
 DEB CLAIMS; CARBONATE GRID
 GOLDEN M.D. B.C.
 LINE NO. - 10+00N
part 3 of 3

GEOLOGICAL BRANCH ASSESSMENT REPORT

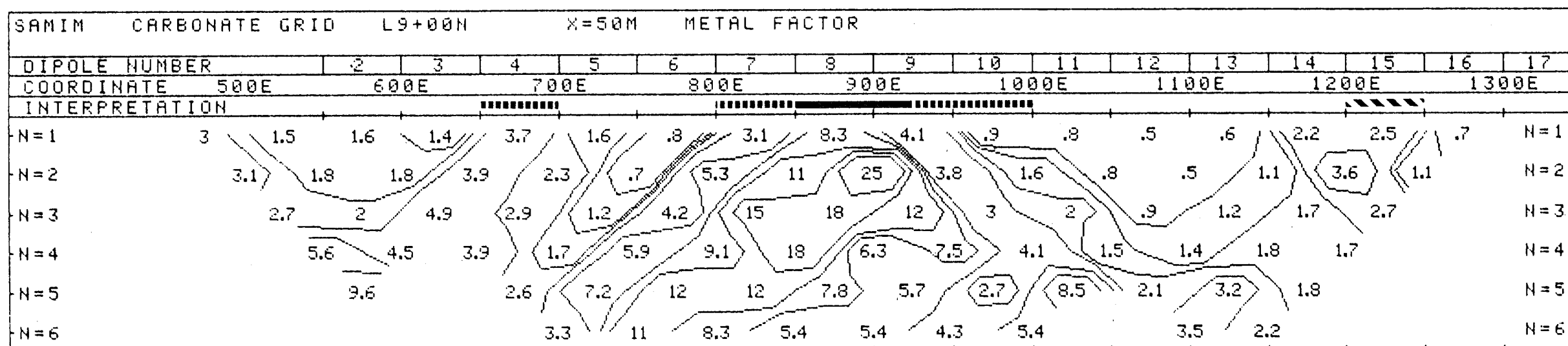
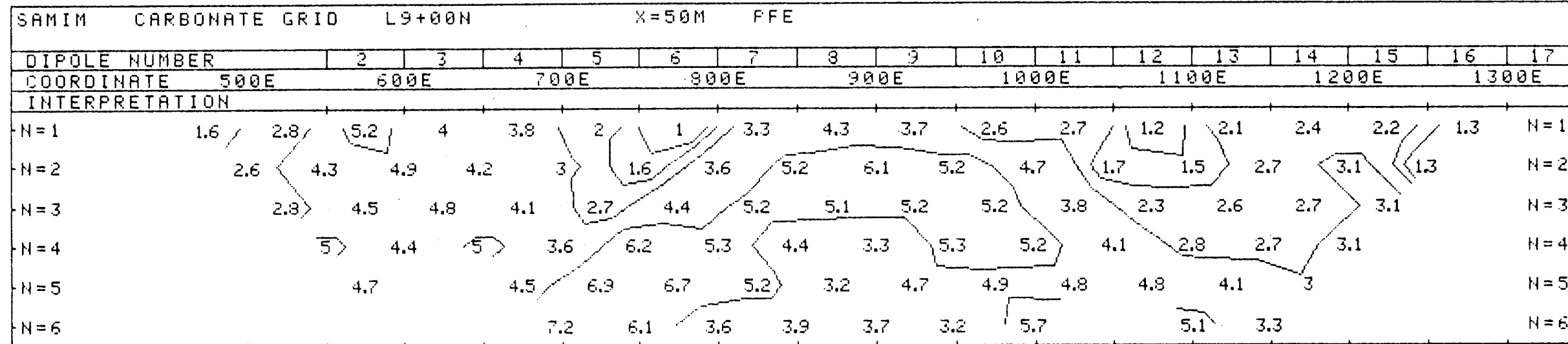
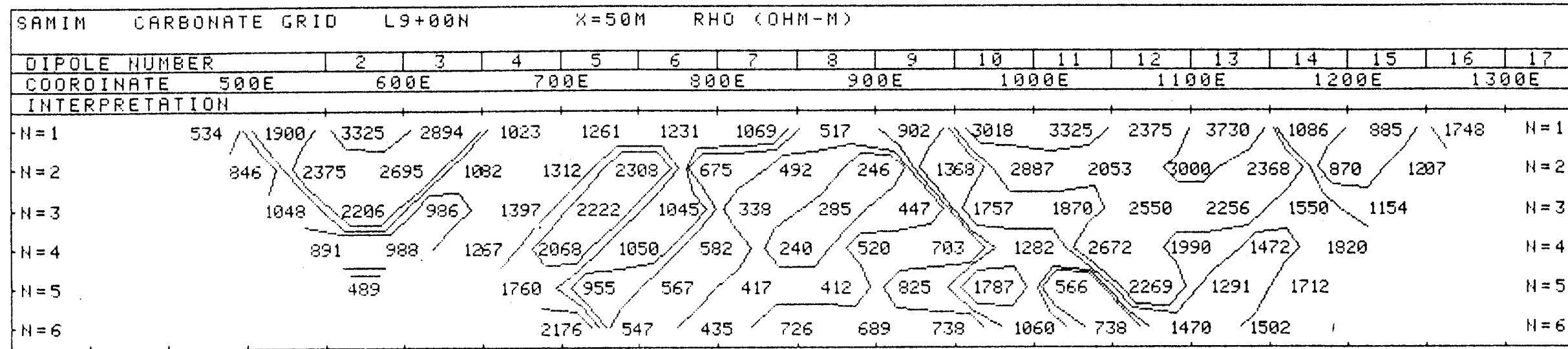


DEFINITE
 PROBABLE
 POSSIBLE



FREQUENCY (HERTZ) 4.0; 0.25
 DATE SURVEYED: AUG 1983
 APPROVED PAC
 NOTE- CONTOURS AT LOGARITHMIC INTERVALS: 1, -1.5, -2, -3, -5, -7.5, -10
 DATE Oct. 31/83

PHOENIX GEOPHYSICS LTD.
 INDUCED POLARIZATION
 AND RESISTIVITY SURVEY



GEOLOGICAL BRANCH
ASSESSMENT REPORT

SAMIM CANADA LTD.

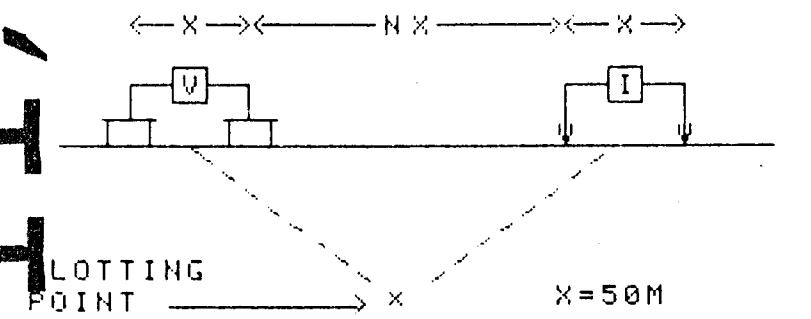
DEB CLAIMS / CARBONATE GRID

GOLDEN M.D. / B.C.

LINE NO. - 9+00N

part 3 of 3

11,806



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
 PROBABLE
 POSSIBLE

FREQUENCY (HERTZ)
4.0; 0.25

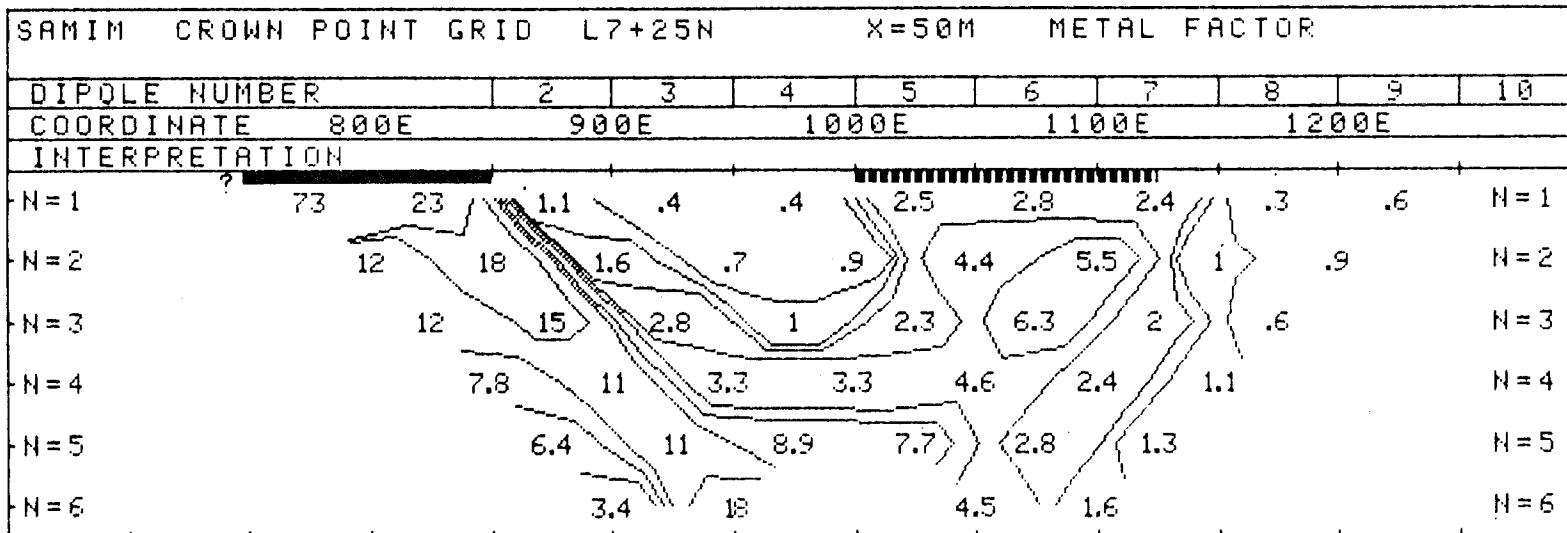
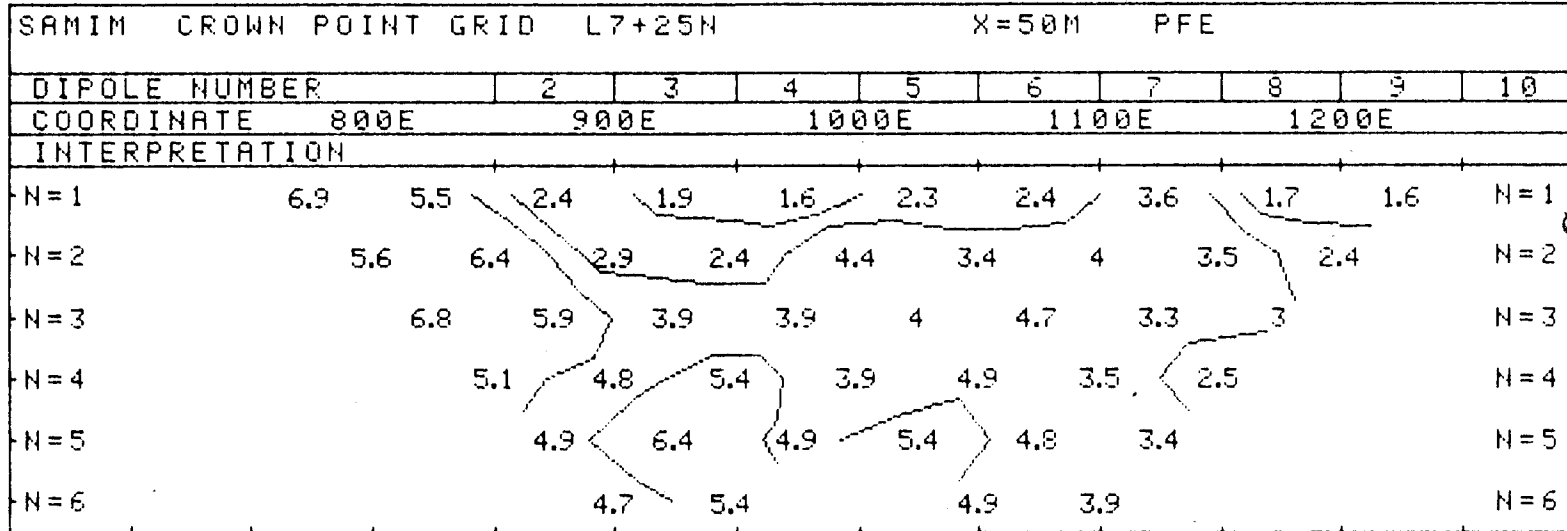
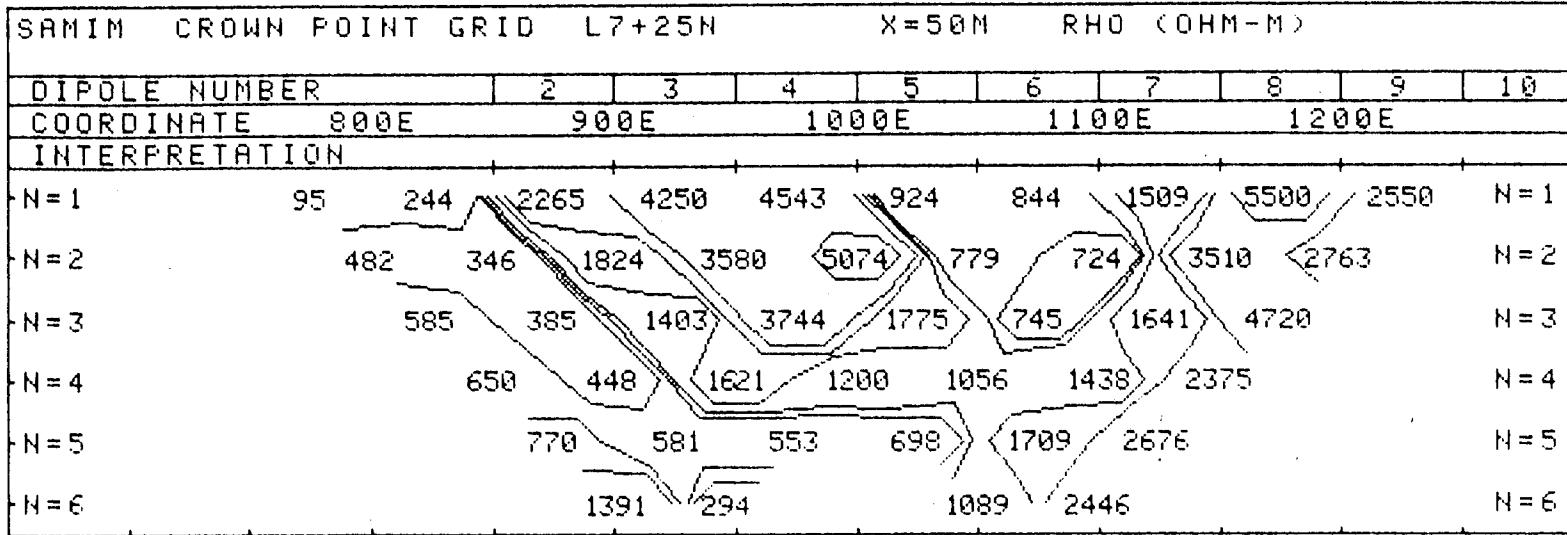
DATE SURVEYED: AUG 1983
APPROVED

NOTE - CONTOURS
AT LOGARITHMIC
INTERVALS: 1, -1.5
-2, -3, -5, -7, 5, -10

PAC
DATE *Oct 31/83*

PHOENIX GEOPHYSICS LTD.

INDUCED POLARIZATION
AND RESISTIVITY SURVEY



GEOLOGICAL BRANCH ASSESSMENT REPORT

11,806 TT

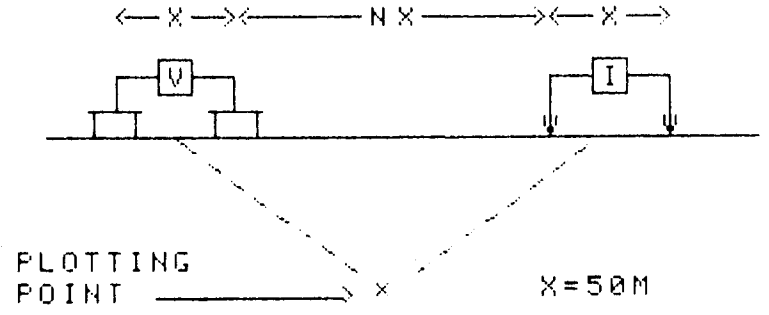
SAMIM CANADA LTD.

DEB CLAIMS, CROWN POINT GRID

GOLDEN M.D.B.C.

LINE NO. -7+25N

part 3 of 3



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE

PROBABLE

POSSIBLE

FREQUENCY (HERTZ)
4.0; 0.25

DATE SURVEYED: AUG 1983
APPROVED

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

PA: _____
DATE: Oct 31/83

PHOENIX GEOPHYSICS LTD.

INDUCED POLARIZATION AND RESISTIVITY SURVEY