LOGISTICAL REPORT

INDUCED POLARIZATION SURVEY

827616

MT. SICKER PROPERTY

VANCOUVER ISLAND, B.C.

on behalf of

MINNOVA INC.
6415 - 64th Street
Delta, B.C. V4K 4E2

contact: Mr. Harold Gibson
(604) 946 5451

Field work completed: April 28 and 29, 1987

by

SCOTT GEOPHYSICS LTD.
4013 West 14th Avenue
Vancouver, B.C. V6R 2X3

Contact: Mr. Alan Scott
(604) 228 0237

May 2, 1987

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ACCOMPANYING MAPS

Chargeability and Resistivity reduced scale pseudosections

Chargeability contour plan (first separation)

Resistivity contour plan (first separation)

1. INTRODUCTION

Induced polarization and resistivity surveys were conducted over portions of Minnova Inc.'s Mt. Sicker Property, Vancouver Island, B.C., within the period April 28 to 29, 1987. The work was conducted by Scott Geophysics Ltd.

The pole dipole electrode array was used on the survey, with an "a" spacing of 25 meters and "n" separations of 1 to 5. The current electrode was to the south of the receiving electrodes on all survey lines.

2. SURVEY LOCATION

The Mount Sicker Property is located about 8 kilometers west of the village of Crofton, B.C. The present survey area is on the extreme wet portion of the property, adjacent to the Chemainus River. Access is via a network of logging and mine roads from the Mount Sicker Road, or from the road to Youbou.

3. SURVEY GRID AND SURVEY COVERAGE

A total of 2.95 line kilometers were completed on the present survey. The work is a continuation of a larger survey completed by Scott Geophysics in the Spring of 1986.

4. PERSONNEL

Alan Scott, geophysicist, was the party chief on the survey and operated the IPR11 receiver. Harold Gibson was the project geologist on site on behalf of Minnova Inc.

5. INSTRUMENTATION AND PROCEDURES

A Scintrex IPR11 time domain microprocessor based induced polarization receiver and a Scintrex 2.5 kw IPC7 transmitter were used for the survey. Readings were taken using a 2 second alternating square wave. The chargeability for the eighth slice (690 to 1050 milliseconds) is the value that has been plotted on the plans and pseudosections.

The survey data was archived, processed, and plotted using a Corona PPC 400 microcomputer running Scintrex Soft II software.

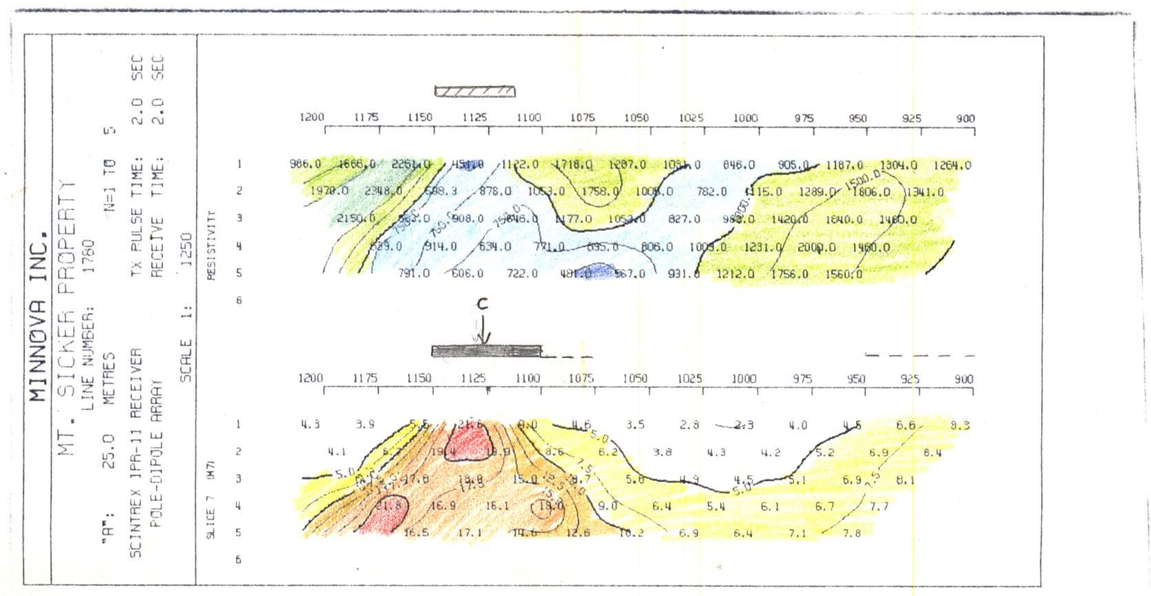
6. RECOMMENDATIONS

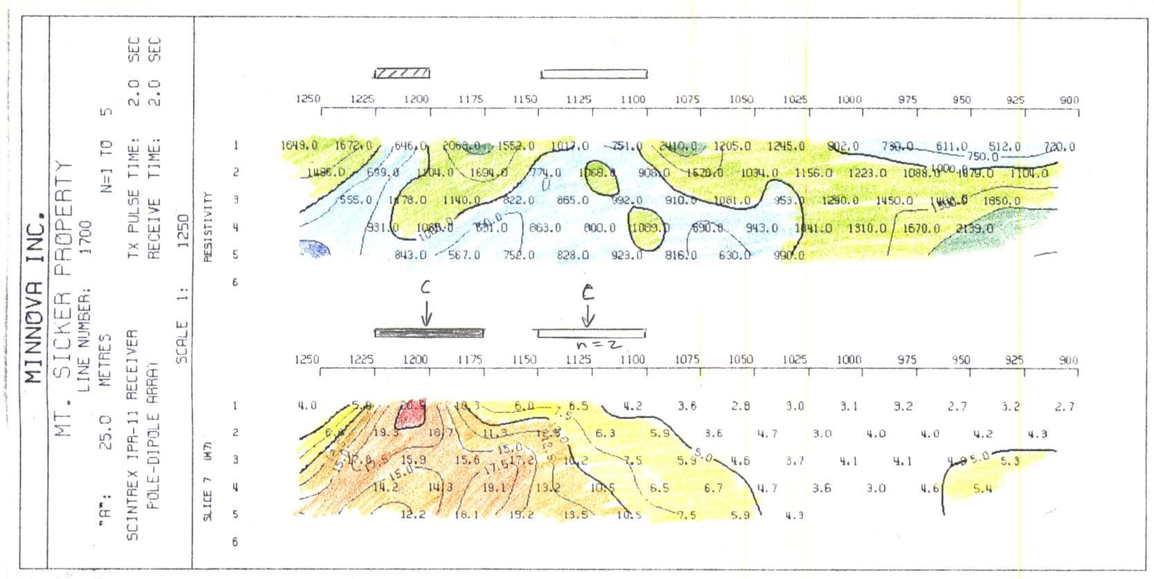
A moderate to strong chargeability high, generally coincident with locally low resistivity, has been defined near the south end of all the survey lines. A somewhat weaker chargeability high lies about 100 to 150 meters to the north on lines 1300W to 1700W. Further work to determine the source of these anomalies is recommended.

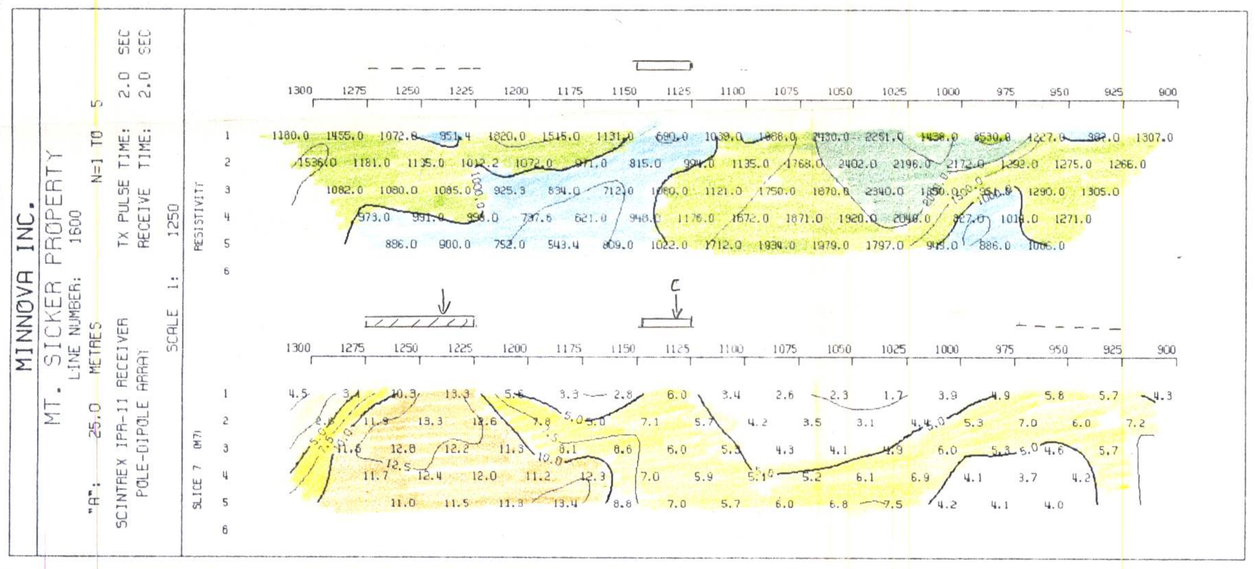
The weak, poorly defined chargeability highs detected at the north end of the survey lines are given a lower priority for such follow up.

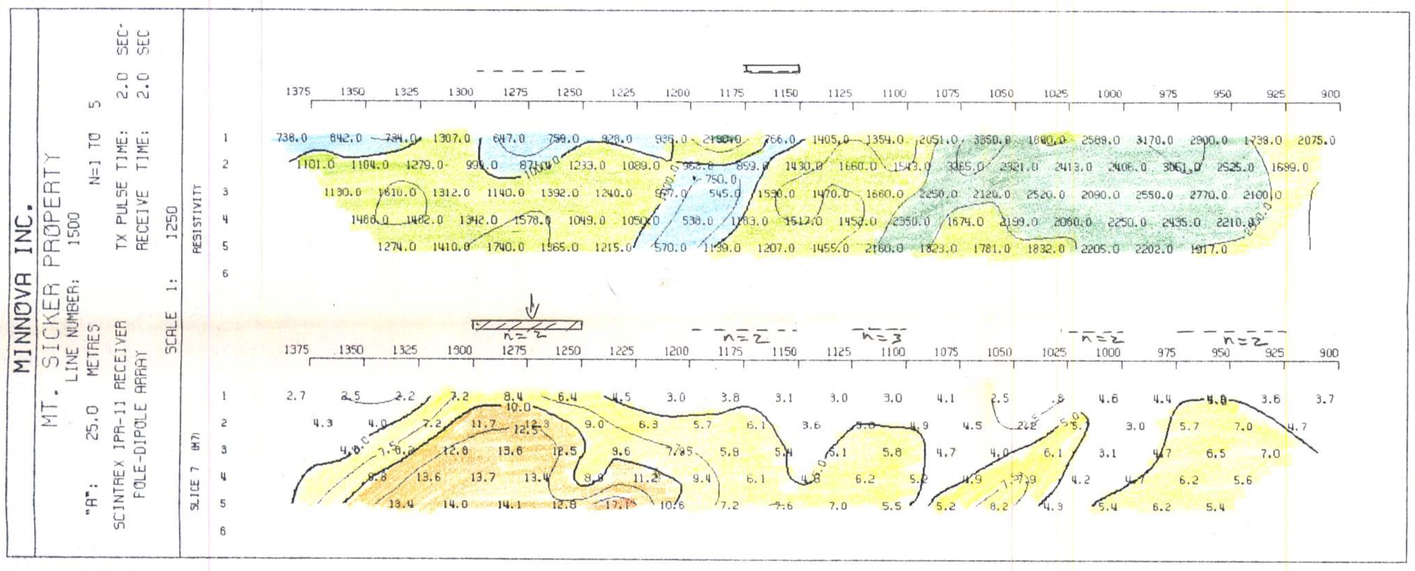
Respectfully Submitted,

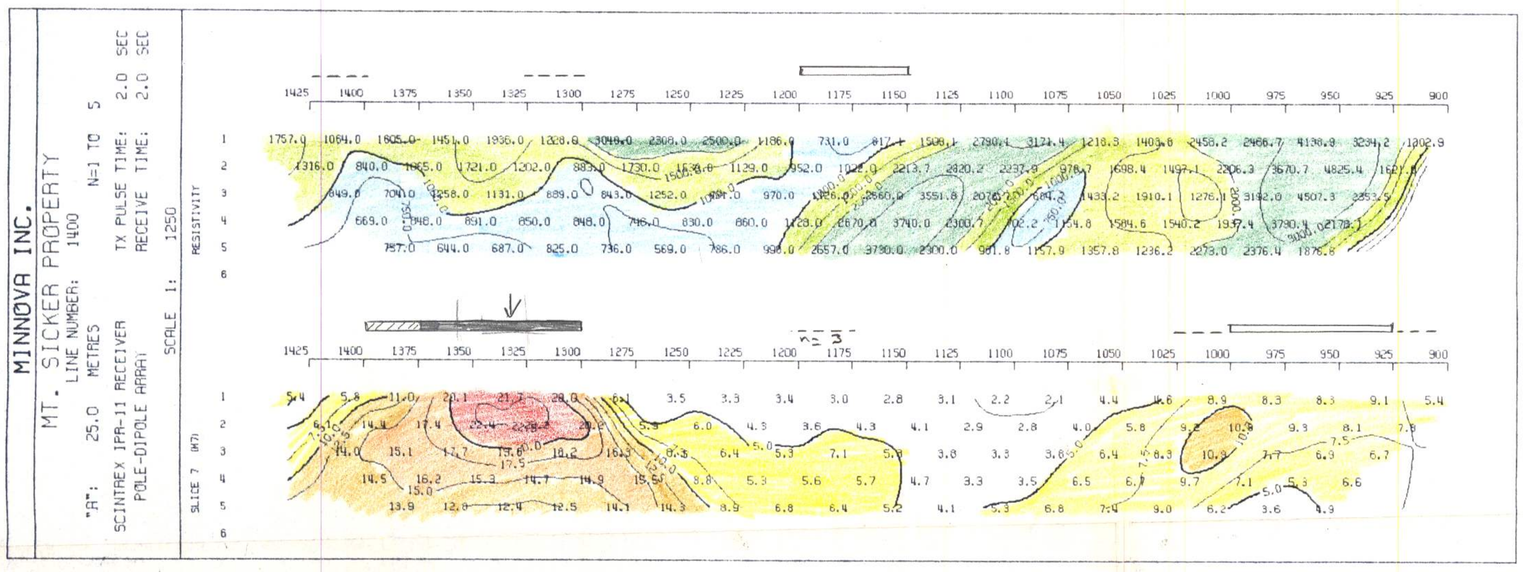
Alan Scott,
Geophysicist

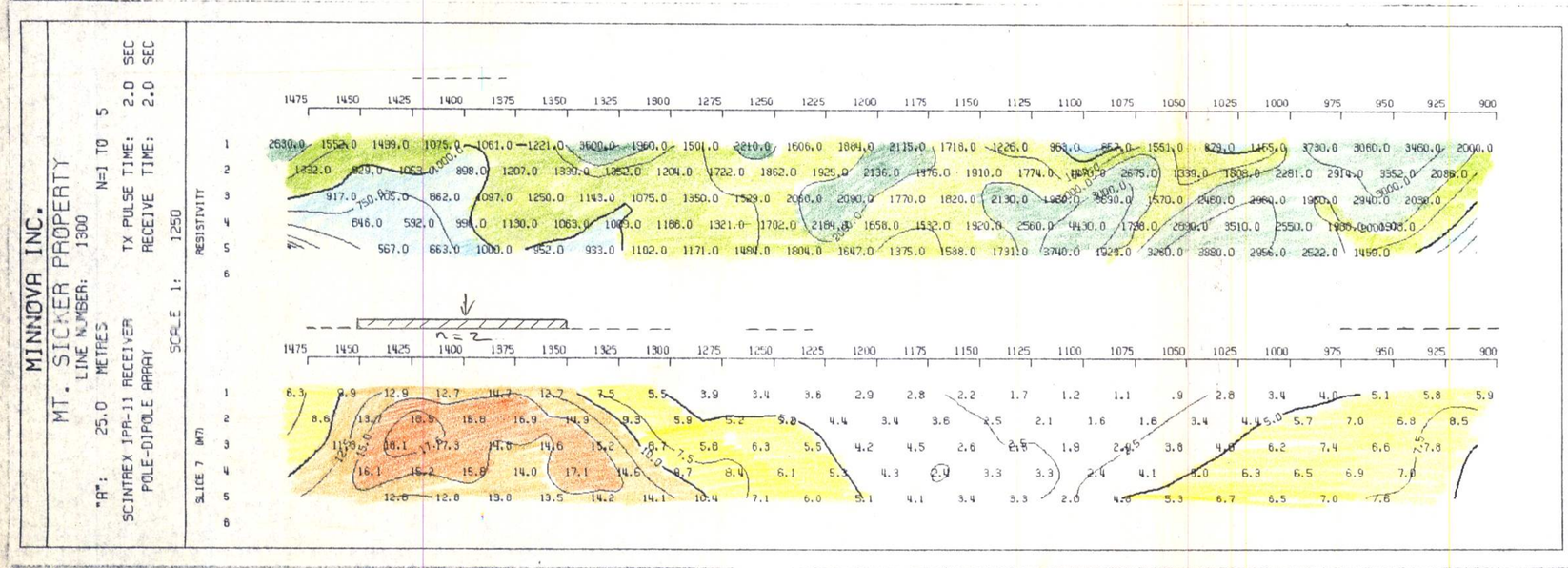












LEGEND:

Chargeability (M7: 650-1090 msec)

- strong
- moderate
- weak
- weak, poorly defined

- 5-10 mV/V
- 10-15
- 15-20
- 20-30

↓ indicates axis of anomaly

C indicates direct coincidence with low resistivity

Resistivity (ohm meters)

- strong local low
- moderate local low
- weak local low
- poorly defined local low

- < 200 ohm meters
- 200-500
- 500-1000
- 1000-2000
- 2000-5000
- >5000

inches 0 1 2

0 1 2 3 4 5 centimetres

BRITISH COLUMBIA GEOLOGICAL SURVEY

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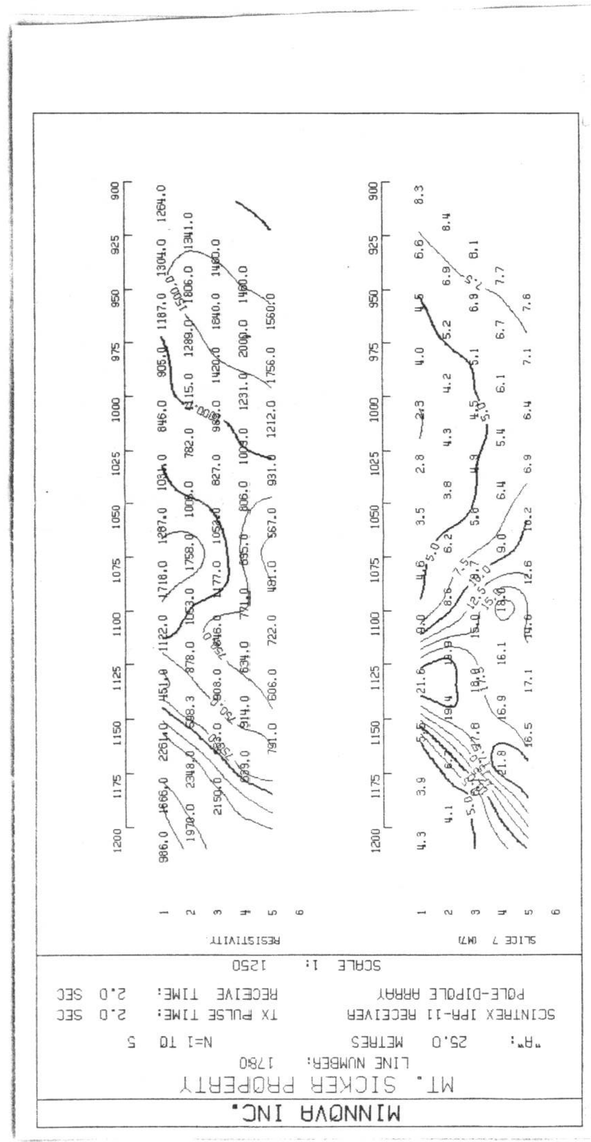
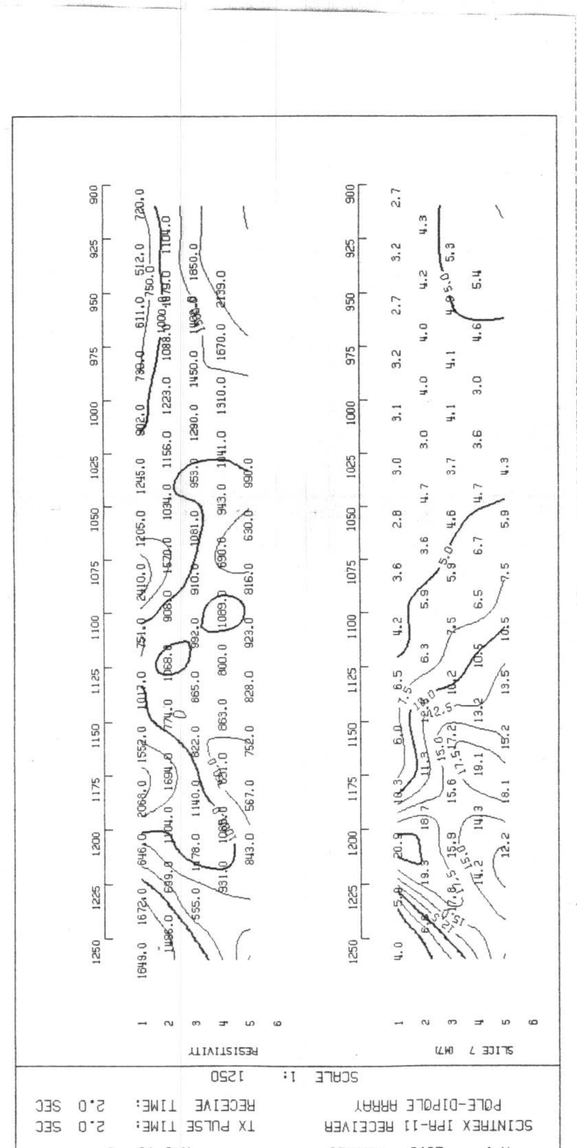

MINNOVA INC.
MT. SICKER PROPERTY
LINE NUMBER: 1700
"R": 25.0 METERS
N=I 10 S
SCINTREX IPR-11 RECEIVER
TX PULSE TIME: 2.0 SEC
POLE-DIPOLE ARRAY
RECEIVE TIME: 2.0 SEC
SCALE 1: 1250
SLICE 7 OF 7
RESISTIVITY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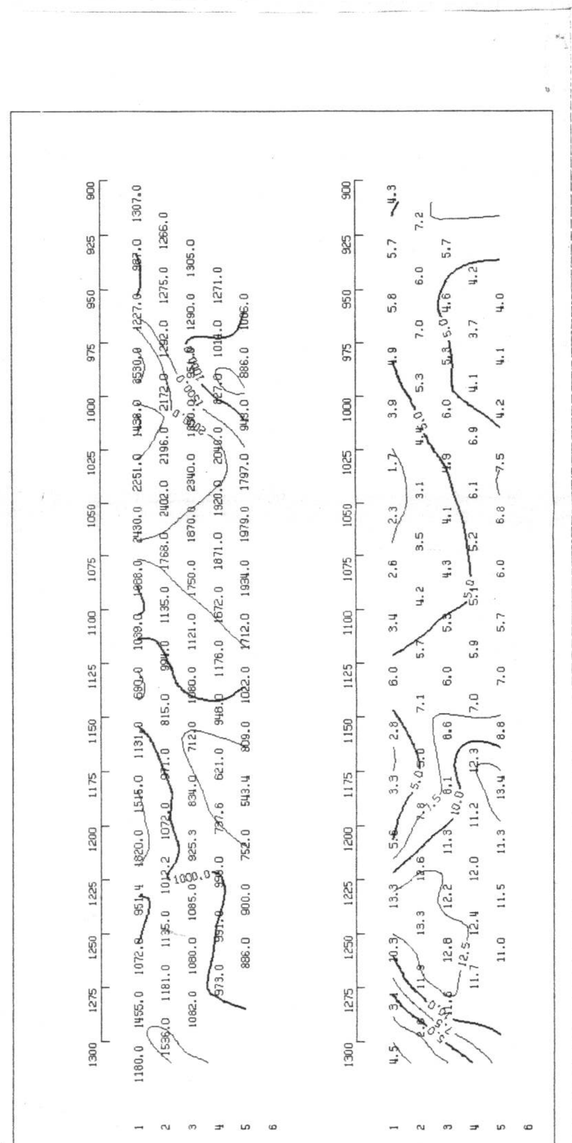
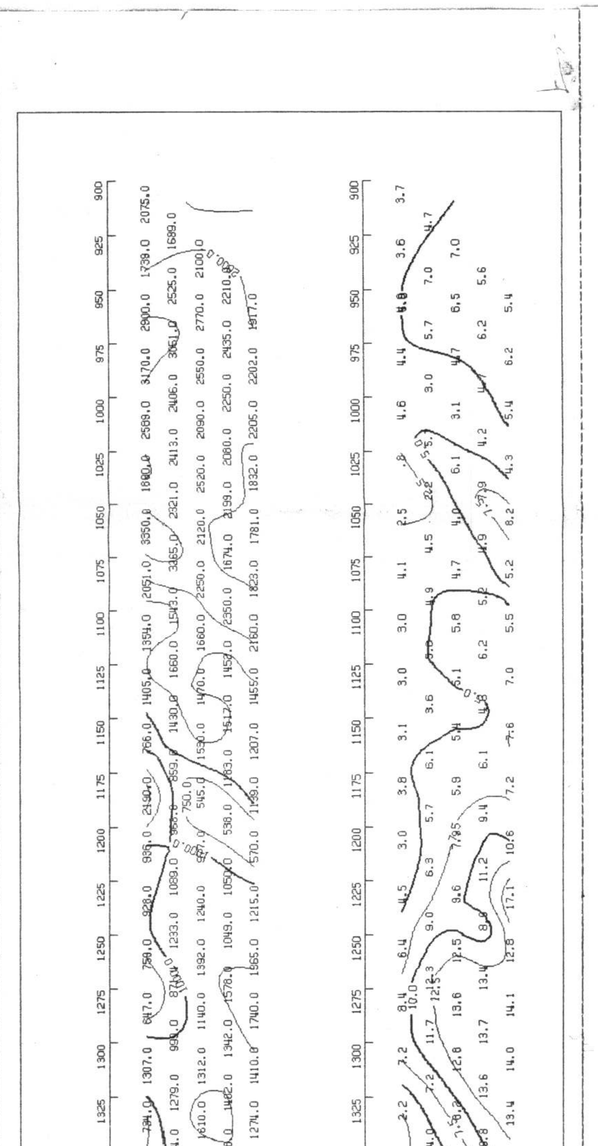
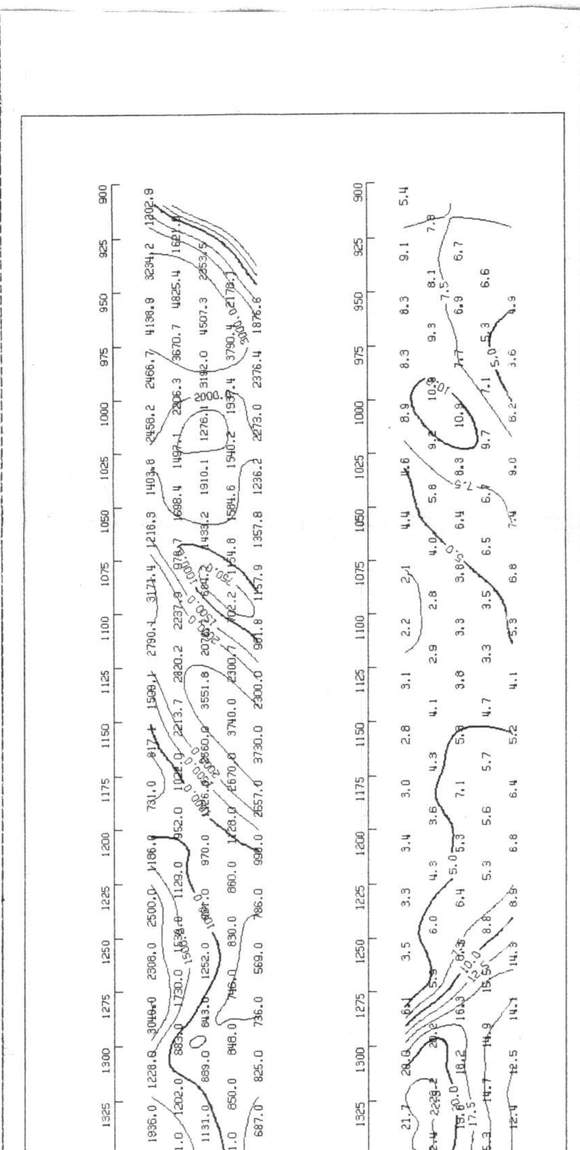
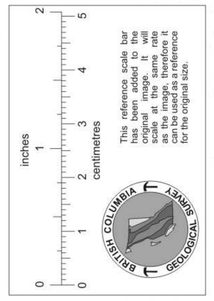
MT. SICKER PROPERTY
LINE NUMBER: 1600
"R": 25.0 METERS
N=I 10 S
SCINTREX IPR-11 RECEIVER
TX PULSE TIME: 2.0 SEC
POLE-DIPOLE ARRAY
RECEIVE TIME: 2.0 SEC
SCALE 1: 1250
SLICE 7 OF 7
RESISTIVITY


MINNOVA INC.
MT. SICKER PROPERTY
LINE NUMBER: 1500
"R": 25.0 METERS
N=I 10 S
SCINTREX IPR-11 RECEIVER
TX PULSE TIME: 2.0 SEC
POLE-DIPOLE ARRAY
RECEIVE TIME: 2.0 SEC
SCALE 1: 1250
SLICE 7 OF 7
RESISTIVITY


MINNOVA INC.
MT. SICKER PROPERTY
LINE NUMBER: 1400
"R": 25.0 METERS
N=I 10 S
SCINTREX IPR-11 RECEIVER
TX PULSE TIME: 2.0 SEC
POLE-DIPOLE ARRAY
RECEIVE TIME: 2.0 SEC
SCALE 1: 1250
SLICE 7 OF 7
RESISTIVITY


MINNOVA INC.
MT. SICKER PROPERTY
LINE NUMBER: 1300
"R": 25.0 METERS
N=I 10 S
SCINTREX IPR-11 RECEIVER
TX PULSE TIME: 2.0 SEC
POLE-DIPOLE ARRAY
RECEIVE TIME: 2.0 SEC
SCALE 1: 1250
SLICE 7 OF 7
RESISTIVITY


Inches
Centimetres
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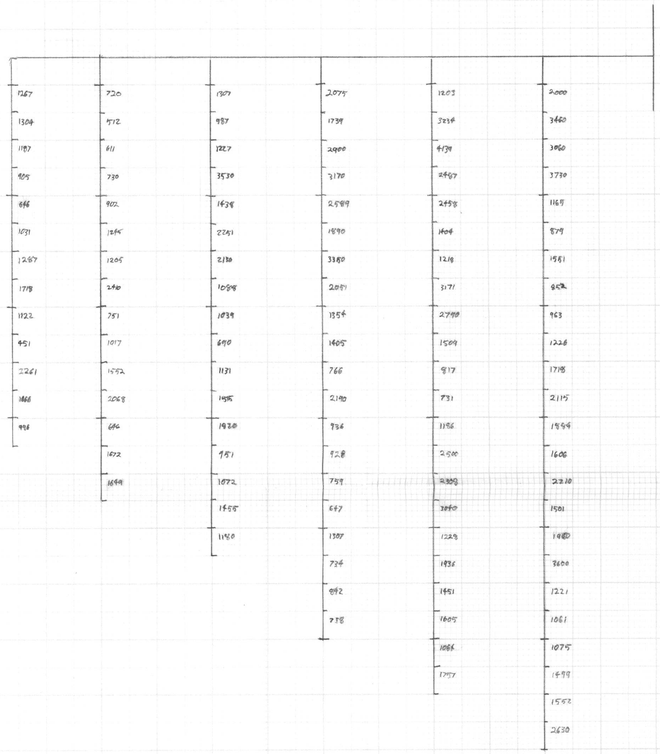
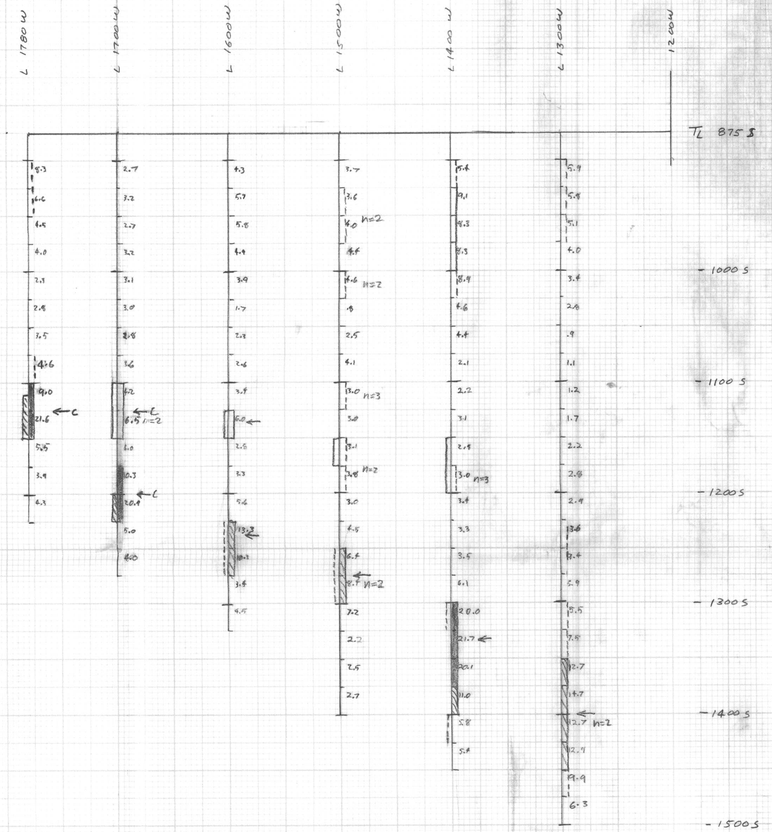
BRITISH COLUMBIA
GEOLOGICAL SURVEY





Resistivity (ohm metres)

- strong local low
- moderate local low
- weak local low
- poorly defined local low

(to left of line)

Mt. Sicker Property

MINNOVA INC

IPR 11 survey
pole dipole array
a = 25m
first separation

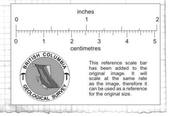
SCOTT GEOPHYSICS LTD
April / 87

1:2500

Chargeability (M7)

- strong
- moderate
- weak
- weak, poorly defined
- axis of anomaly
- C coincident with local resistivity low

(to right of line)



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