

87-362-16127

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

NTS: 103G/4E

REPORT ON THE  
GEOPHYSICAL SURVEYS  
ON THE MORE PROPERTY  
SKEENA M.D., B.C.

FILMED

(ASSESSMENT REPORT)

Latitude : 53°04.6'

Longitude : 131°43'42.2'

Claims Covered: MORE, MORE 2, MORE 3, MORE 5

Owner & Operator : COMINCO LTD.

Survey Dates : April 10 - 23, 1987

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**16,127**

MAY 1987

Ingo Jackisch

VICTORIA

87-362-16127



Province of British Columbia

Ministry of Energy, Mines and Petroleum Resources

FORM 1 (REVISED 1985)

TYPE OF REPORT/SURVEY(S)

Geophysical

\$ 49,255.25

AUTHOR(S)

I. Jackisch

SIGNATURE(S)

Ingo Jackisch

DATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED

May 13/87

YEAR OF WORK

1987

PROPERTY NAME(S)

MARINO, BELLA

COMMODITIES PRESENT

Sb, Au

B.C. MINERAL INVENTORY NUMBER(S), IF KNOWN

103G-8,28

MINING DIVISION

Skeena

NTS

103 6/4E

LATITUDE

53°04.6'

LONGITUDE

131°42.2'

NAMES and NUMBERS of all mineral tenures in good standing (when work was done) that form the property. (Examples: T-1, T-2, T-3, T-4, T-5, T-6, T-7, T-8, T-9, T-10, T-11, T-12 (12 units), PHOENIX (Lot 1706), Mineral Lease M 123; Mining or Certificate Mining Lease ML 12 (12 units))

More, More 2, 3, 4, 5 (80 units total)

OWNER(S)

(1) Cominco Ltd.

MAILING ADDRESS

700-409 Granville St.  
Vancouver, B.C. V6C 1T2

OPERATOR(S) (that is, Company paying for the work)

(1) same - as above

MAILING ADDRESS

as above

SUMMARY GEOLOGY (lithology, age, structure, alteration, mineralization, size, and attitude)

The More property area is underlain by Middle Jurassic Yakoun Formation basaltic - andesitic flows and breccias with minor shale and grit. Local rhyolite flow and pyroclastic rock is reported on the property. Rock attitudes are unknown but postulated to strike 030° to 050° dipping 80° to 35° east.

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRE UNITS)	ON WHICH CLAIMS	COST INCURRED
<p>GEOLOGICAL (scale, area)</p> <p>Ground</p> <p>Photo</p> <p><u>GEOPHYSICAL (line, kilometres)</u></p> <p>Ground</p> <p><u>MAGG</u> 4.5 km</p> <p><u>EMGR</u> 5.7 km ULF</p> <p><u>IPOC</u> 27.4 km</p> <p>Radiometric</p> <p>Seismic</p> <p>Other</p> <p>Airborne</p> <p>GEOCHEMICAL (number of samples analysed for ...)</p> <p>Soil</p> <p>Silt</p> <p>Rock</p> <p>Other</p> <p>DRILLING (total metres; number of holes, size)</p> <p>Core</p> <p>Non-core</p> <p>RELATED TECHNICAL</p> <p>Sampling/assaying</p> <p>Petrographic</p> <p>Mineralogic</p> <p>Metallurgic</p> <p>PROSPECTING (scale, area)</p> <p>PREPARATORY/PHYSICAL</p> <p>Legal surveys (scale, area)</p> <p>Topographic (scale, area)</p> <p>Photogrammetric (scale, area)</p> <p>Line/grid (kilometres) <u>LINE</u> 34.6 km</p> <p>Road, local access (kilometres)</p> <p>Trench (metres)</p> <p>Underground (metres)</p>			
		None, More 2, 3, 5	33,588.25
		same ↑	15,667.00
	Balance - nil		
			TOTAL COST # 49,255.25

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**16,127**

FOR MINISTRY USE ONLY	
Value work done (from report)	49,255.25
Value of work approved	49,255.25
Value claimed (from statement)	50,400.00
Value credited to PAC account	
Value debited to PAC account	1144.75
Accepted <u>GO</u> Date <u>Aug. 20/87</u>	

NAME OF PAC ACCOUNT	ACC. NO.	AMOUNT
Cominco Ltd. (Vancouver)		1144.75
	87-362-16127	

CREDIT	REMARKS
	Information Class (3)

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-7	" - Lines 4W, 0E
-8	" - Lines 4E, 8E
-9	" - Lines 12E, 14E
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COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

NTS: 103G/4

REPORT ON  
GEOPHYSICAL SURVEYS  
ON THE MORE PROPERTY,  
SKEENA M.D., B.C.

- ASSESSMENT REPORT -

**INTRODUCTION**

During the period April 10 to April 23, 1987, a COMINCO geophysical crew carried out an Induced Polarization (I.P.)/Resistivity (Res.) survey on the MORE property. 27.4 kms were surveyed in total, as well as 4.5 km magnetics and 5.7 km of VLF-EM.

The purpose for these geophysical surveys was to find desirable drill targets in an area of geophysical interest, but almost completely covered by overburden.

This report describes the field procedures, presents the data, and discusses the results.

**LOCATION AND ACCESS**

The MORE Property is located 21 km south-southwest of Sandspit, in the Queen Charlotte Islands. Sandspit is serviced daily by Boeing 737 flights.

All season roads are available to Gray Bay, about 4 km north of the property. Vancouver Island Helicopters and Queen Charlotte Helicopters provide Jet Rangers which can be used for the final 4 km.

**GEOPHYSICAL SURVEYS**

Induced Polarization/Resistivity

A Huntec Mark IV receiver (set on 120 msec. delay time 900 msec. integrating time) was used in combination with a Phoenix IPT1 motor generator/transmitter unit. Readings were taken in the time domain using a 2 second ON/2 second OFF alternating square wave signal. Chargeability values are given in units of milliseconds (msecs.) After a few days the Phoenix transmitter broke down and the Huntec battery-operated LOPO transmitter was used.

The survey was carried out in a reconnaissance mode with lines either 200 or 400 metres apart. A pole-dipole electrode array was used with an "a" spacing of 100 metres and "n" separations of 1 and 2. The current electrode was kept to the south of the potential electrodes at all times.

The apparent resistivity values are given in units of ohmmetres and are calculated from the equation:-

$$\rho_a = \frac{VK_i}{I}$$

where V is the voltage across the potential dipoles during the current on period (I), and  $K_i$  is a geometrical factor dependent on the "a" spacing and "n" separation.

For pole-dipole configuration,  $K_i = 2\pi a n_i (n_i + 1)$ , where  $i = 1, 2$

### Magnetics

Three Scintrex MP-2 total field proton precession magnetometers were used during one afternoon as a start to the magnetics surveying. The baseline was read twice to establish a series of base station locations. These stations can be used as tie-ins to determine the drift corrections while looping on the grid.

Lines 1400W, 1600W, and 1800W were corrected for both the diurnal drift and the shift that is present between different magnetic instruments by correcting the readings with respect to the values of the base station readings. Drift is assumed to be linear with time. The station interval was 25 metres. 56,000 gammas is considered the base level and has been subtracted from all plotted values (Plate 320-87-13).

### VLF-EM

A Crone Radem receiver reading from the Hawaii transmitter (23.4 kHz) was used for the VLF surveying. The operator faced west while taking the dip angle measurements. The station spacing was 25 metres. The dip angle readings have been Fraser filtered (Plate 320-87-15).

### DISCUSSION OF RESULTS

The range of values on the I.P./resistivity survey was considerable. Chargeability varied from 5.4 to 64 msec. and resistivity from 128 to 7,124 ohmm.

These areas of chargeability highs have been labelled A to E on Plate 320-87-11. Chargeability anomaly A corresponds to moderately high resistivities (250-1,300 ohmm), anomaly B also to moderately high resistivities (400-1,000 ohmm), anomaly C to low resistivities (300-600 ohmm), anomaly D to moderately high resistivities (500-1,000 ohmm), and anomaly E to low resistivities (250-400 ohmm). It is very possible that anomalies A, B, and C are part of one large structure.

The large "a" separation (100 metres) and distance between lines (200 or 400 metres) was chosen to cover as much ground as possible with the given budget. A previous, very local I.P. survey indicated the high chargeability zones were quite broad, so these reconnaissance parameters were considered adequate. It would seem the present survey has successfully delineated zones which should be detailed with a smaller "a" spacing of 50 metres (at n=1, 2, 3).

The resistivity survey (Plate 320-87-12 for plan of n=1 values) shows mixed values of low to moderate resistivities in the western part of the grid, high values of over 6,000 ohmm in the central part, and low resistivities in the eastern part of the grid (with the western boundary of the low resistivities being very sharp).

The magnetics survey is not very complete, but of the four lines read, it is apparent the values fluctuate quite a bit (up to 1,000 gammas) within even a 25 metre distance. Contours cannot be connected from line to line because of the large line separation in an area of rapid magnetic changes. The magnetic values are more active in the southern end of the lines (where the high chargeabilities occur) than in the northern area.

At this point, it is not certain if any useful information can be extracted from the magnetics data. Fill-in lines would be required at a 50 metre interval to attain adequate coverage.

The VLF-EM (Plates 320-87-14 and 15) data show several east-west striking features of unknown origin. There is no correlation between the VLF conductors and the chargeability, resistivity, or magnetic values.

### **CONCLUSIONS AND RECOMMENDATIONS**

A 27.4 km I.P./resistivity survey detected numerous zones of very high chargeability, some correlated with moderate resistivities, others with low resistivities. These zones are delineated from reconnaissance parameters of "a" = 100 metres and a 200 or 400 metre line spacing. Detailing these zones with an "a" = 50 metres and a 100 metre line spacing is recommended. Anomalies A, B, and D could be closed off at the same time by extending the grid to the west and south from Lines 2800W to 400E.

Magnetics and VLF-EM were carried out over a portion of the grid. The magnetism is moderately active, but does not correlate with the I.P. or VLF-EM. The east-west striking VLF-EM conductors do not correlate with the I.P. either.

Report by: Ingo Jackisch  
Ingo Jackisch  
Geophysicist

Approved for  
Release: W. J. Wolfe  
W. J. Wolfe  
Manager, Exploration  
Western Canada

Distribution:

Mining Recorder	(2) ~
Western District	(1)
Administration	(1)
Geophysics	(1)



A P P E N D I X I

IN THE MATTER OF THE B.C. MINERAL ACT  
AND IN THE MATTER OF A GEOPHYSICAL PROGRAM  
CARRIED OUT ON PORTIONS OF THE MORE, MORE 2,  
MORE 3 and MORE 5 CLAIMS  
ON THE MORE PROPERTY  
LOCATED ON THE QUEEN CHARLOTTE ISLANDS,  
SKEENA M.D., OF THE PROVINCE OF B.C.  
MORE PARTICULARLY

N.T.S.: 103G/4

S T A T E M E N T

I, Ingo Jackisch, of 424 Somerset Street, in the City of North Vancouver, in the Province of British Columbia, make oath and say:

- 1) THAT I am employed as a geophysicist by Cominco Ltd., and, as such have a personal knowledge of the facts to which I hereinafter depose;
- 2) THAT the annexed hereto and marked as "Appendix II" to this statement is a true copy of expenditures incurred on a geophysical program on the MORE Property;
- 3) THAT the said expenditures were incurred for the purpose of mineral exploration of the above-noted claims between the 10th day of April and the 23rd day of April 1987.

  
\_\_\_\_\_  
Ingo Jackisch  
Geophysicist

May, 1987

A P P E N D I X   I I

STATEMENT OF EXPENDITURES

Organization and Supervision		
A.M. Pauwels, Project Geologist		
5 days @ \$279/day		\$ 1,395.00
Camp Construction		
Lumber, Propane, Diesel	\$ 1,957	
Labour (Van Alphen Expl. Services)	<u>2,000</u>	3,957.00
Linecutting (Van Alphen Explorations Services)		
Smithers, B.C.		
Mobilization	2,000	
34.6 km x \$395/km	<u>13,667</u>	15,667.00
Geophysical Surveys (Cominco Ltd.)		
A) Staff Time		
Ingo Jackisch, Geophysicist		
18 days @ \$240/day	\$ 4,320	
Jim Vyselaaar, Geophysicist		
15 days @ \$240/day	3,600	
George Benmore, Geoph. Helper		
14 days @ \$120/day	1,680	
Alexander Paramonoff, Geoph. Helper		
14 days @ \$110/day	1,540	
Rob Van Egmond, Geol. Helper		
14 days @ \$105/day	<u>1,470</u>	12,610.00
B) Drafting, Report Writing, Consultation	2,600	
C) Equipment Rental Charges	1,215	
D) Expense Accounts (airfares, meals, rental truck)	3,506	
E) Shipping of Gear	1,899	
F) Groceries for 5 persons for 2 weeks (Super Valu, Sandspit)	<u>1,850</u>	23,680.00
Helicopter		
Vanc. Island Helicopters, Sandspit		
8.1 hrs. @ \$562.50/hr.		4,556.25
	Total	<u>\$ 49,255.25</u>

A P P E N D I X   I I I

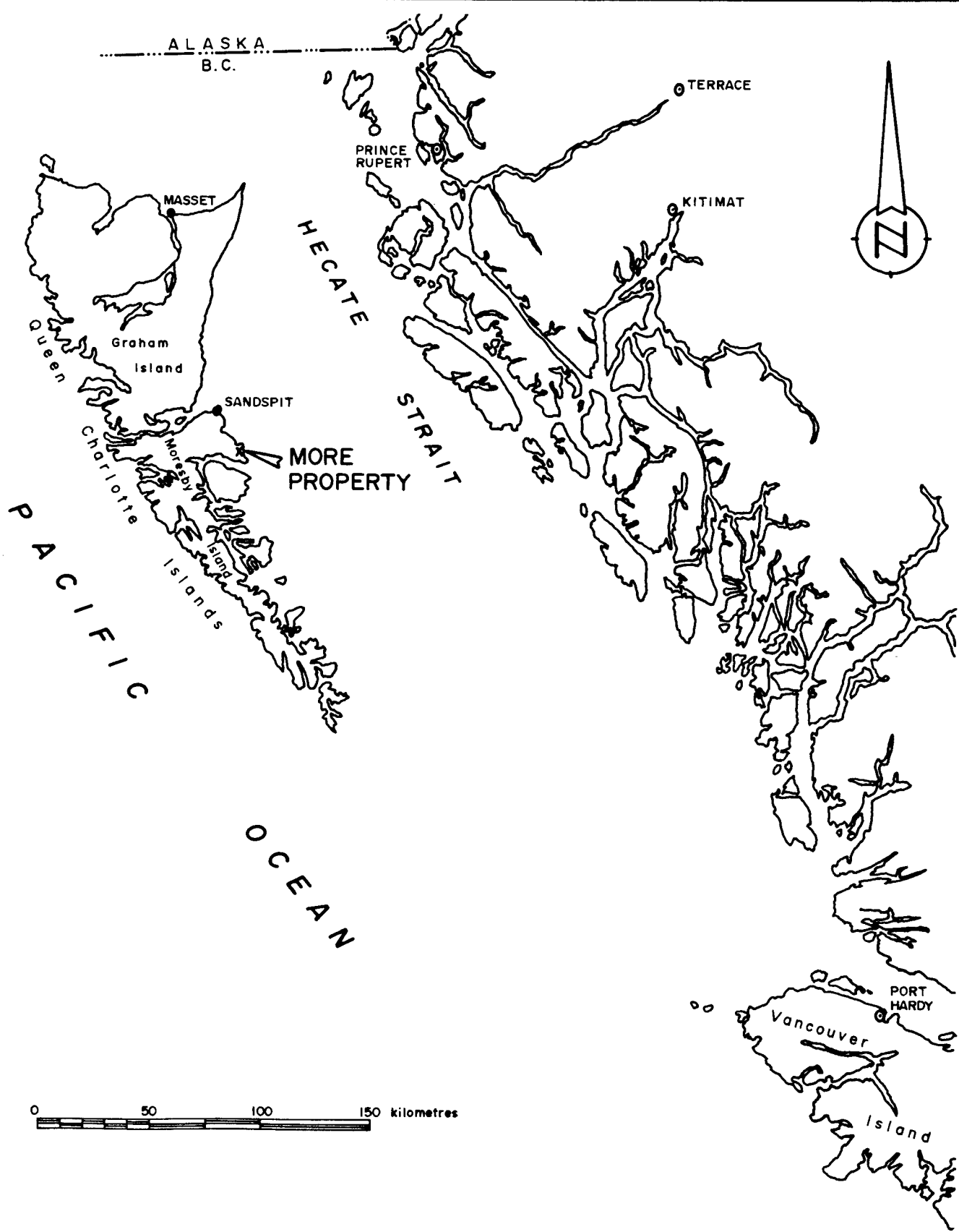
C E R T I F I C A T I O N

I, Ingo Jackisch, of 424 Somerset Street, in the City of North Vancouver, in the Province of British Columbia, do hereby certify:

- 1) THAT I graduated from University of British Columbia in 1975 with a B.Sc. in Geophysics;
- 2) THAT I am a member of the B.C. Geophysical Society;
- 3) THAT I have been practising my profession for the past 12 years.

  
\_\_\_\_\_  
Ingo Jackisch  
Geophysicist

May, 1987



**MORE PROPERTY**

SKEENA M.D., B.C.



NTS  
103-G/4

Drawn by:		Traced by:	
Revised by	Date	Revised by	Date

**GENERAL LOCATION MAP**

Scale: 1:2,500,000

Date: MAY 1987

Plate: 320-87-1

# COMINCO LTD.

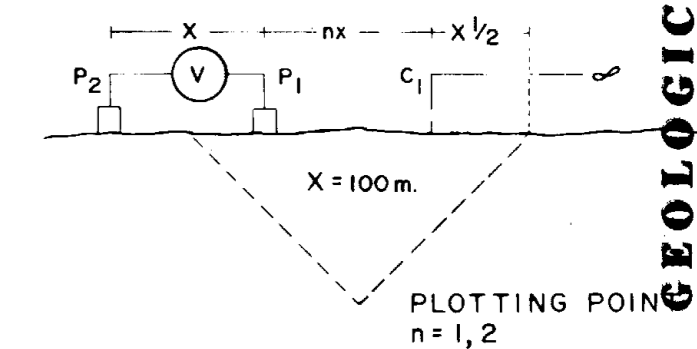
## MORE PROPERTY

SKEENA M.D., B.C.

LINE NO. 2000 W

LINE NO. 1800 W

POLE-DIPOLE  
ELECTRODE CONFIGURATION



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

# 16,127

- CHARGEABILITY (IP) INTERPRETATION**
- > 30 msecs STRONG CHARGEABILITY HIGH
  - 20-30 MODERATE CHARGEABILITY HIGH
  - 10-20 WEAK CHARGEABILITY HIGH
  - IP HIGH AT FURTHER SEPERATIONS
- APPARENT RESISTIVITY INTERPRETATION**
- APPARENT RESISTIVITY LOW

SCALE: 1:5000

DATE SURVEYED: April 12 1987

CONTOUR INTERVALS:

APP. RES. - 1,1.5,2,3,5,7.5,10

APP. CHARG - 5 msec

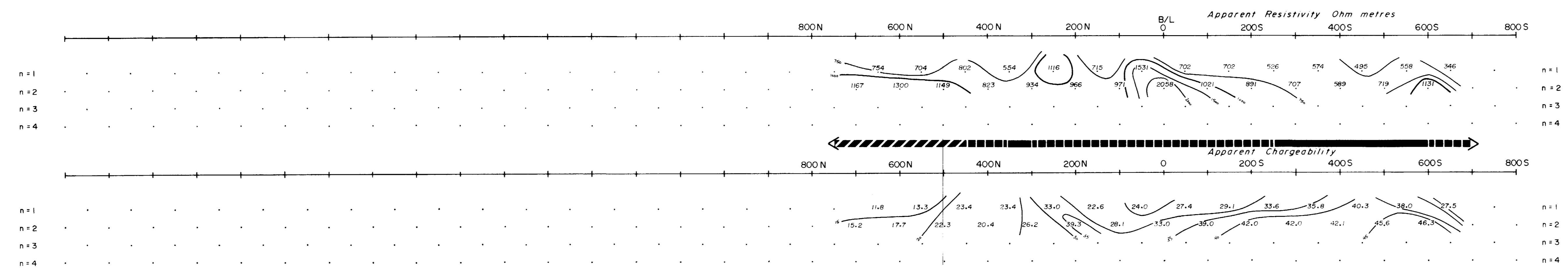
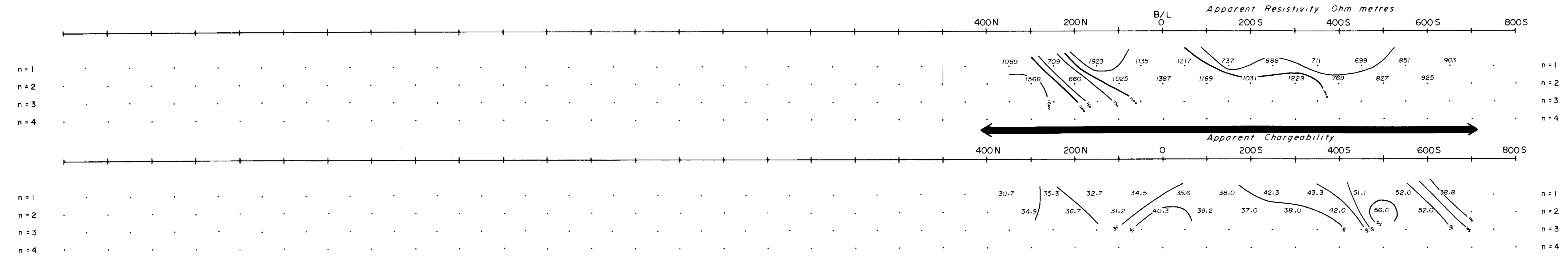
APPROVED: \_\_\_\_\_

DATE: May 1987

TRANSMITTER - Phoenix IPTI

RECEIVER - Hunttec Mk 4

INDUCED POLARIZATION AND RESISTIVITY SURVEY  
SURVEYED BY COMINCO LTD., EXPLORATION DIVISION



# COMINCO LTD.

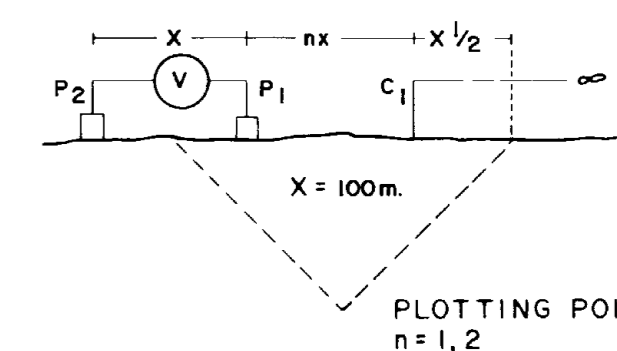
## MORE PROPERTY

SKEENA M.D., B.C.

LINE NO. 2400 W

LINE NO. 2200 W

POLE-DIPOLE  
ELECTRODE CONFIGURATION



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

# 16,127

- CHARGEABILITY (IP) INTERPRETATION**
- > 30 msecs STRONG CHARGEABILITY HIGH
  - 20-30 MODERATE CHARGEABILITY HIGH
  - 10-20 WEAK CHARGEABILITY HIGH
  - IP HIGH AT FURTHER SEPARATIONS
- APPARENT RESISTIVITY INTERPRETATION**
- APPARENT RESISTIVITY LOW

SCALE: 1:5000

DATE SURVEYED April 13 1987

CONTOUR INTERVALS:

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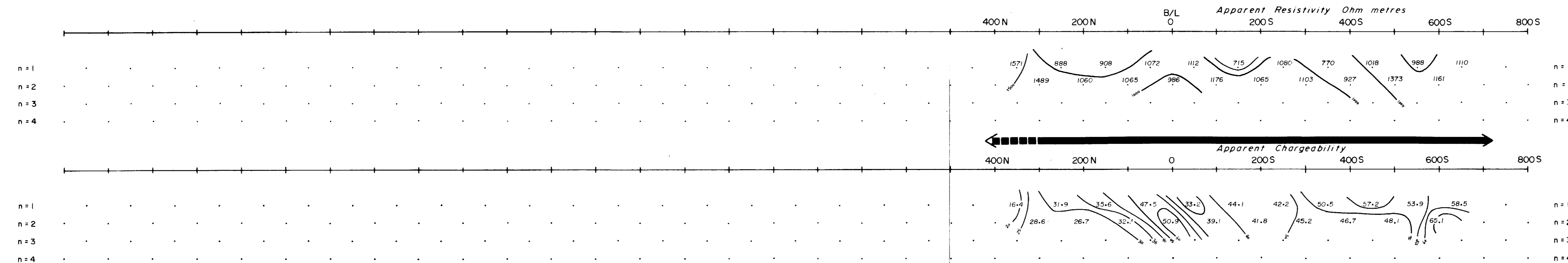
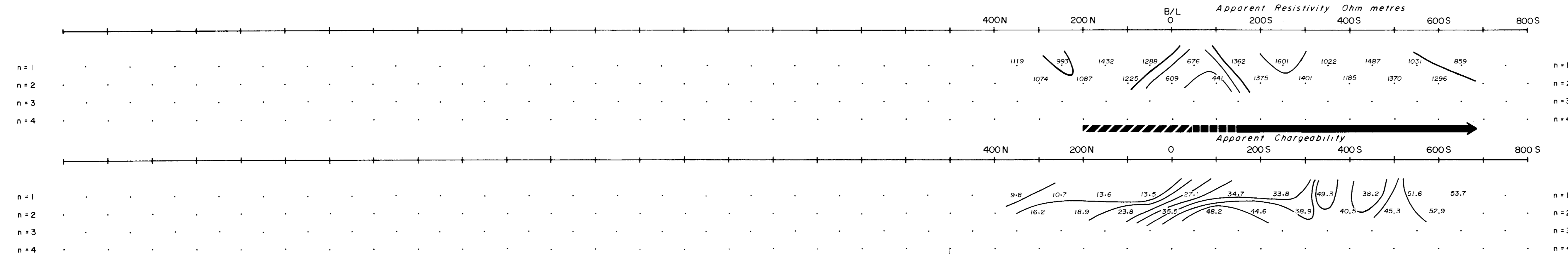
APPROVED: \_\_\_\_\_

DATE: May 1987

TRANSMITTER - Phoenix IPT1

RECEIVER - Huntec Mk 4

INDUCED POLARIZATION AND RESISTIVITY SURVEY  
SURVEYED BY COMINCO LTD., EXPLORATION DIVISION



COMINCO LTD.

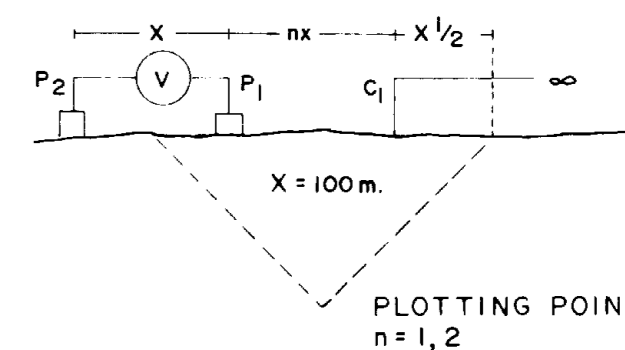
MORE PROPERTY

SKEENA MD., B.C.

LINE NO. 2800 W

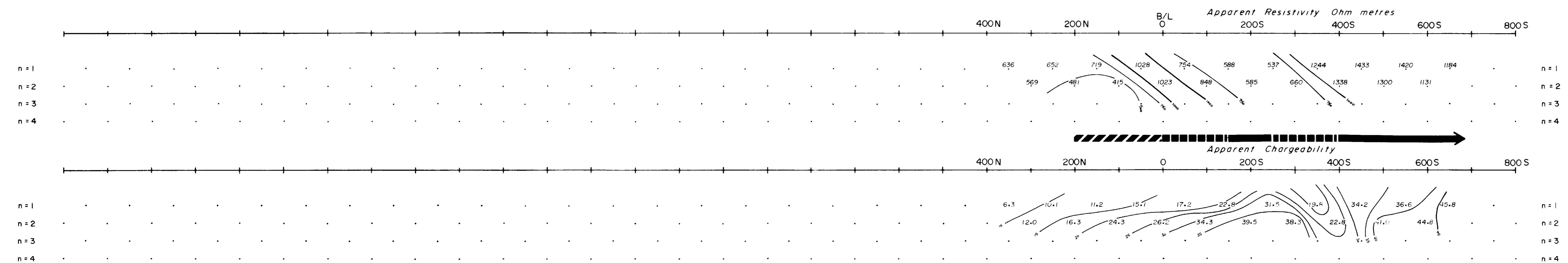
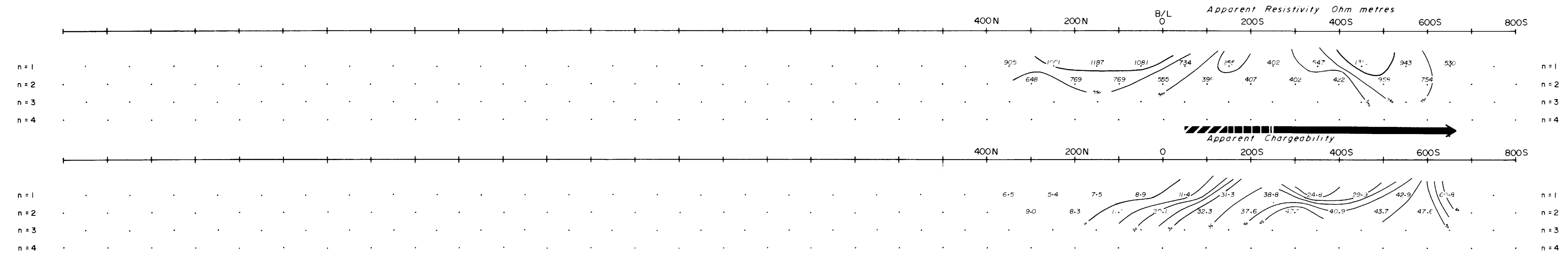
LINE NO. 2600 W

POLE-DIPOLE  
ELECTRODE CONFIGURATION



GEOLOGICAL BRANCH ASSESSMENT REPORT

16,127



**CHARGEABILITY (IP) INTERPRETATION**

> 30 msecs **██████████** STRONG CHARGEABILITY HIGH

20-30 **██████████** MODERATE CHARGEABILITY HIGH

10-20 **▨▨▨▨▨▨** WEAK CHARGEABILITY HIGH

▨▨▨▨▨▨ IP HIGH AT FURTHER SEPARATIONS

**APPARENT RESISTIVITY INTERPRETATION**

----- APPARENT RESISTIVITY LOW

SCALE: 1:5000

DATE SURVEYED: April 14 1987

CONTOUR INTERVALS:

APP RES. - 1, 1.5, 2, 3, 5, 7.5, 10

APP CHARG - 5 msec

APPROVED: \_\_\_\_\_

DATE: May 1987

TRANSMITTER - Phoenix IPT1

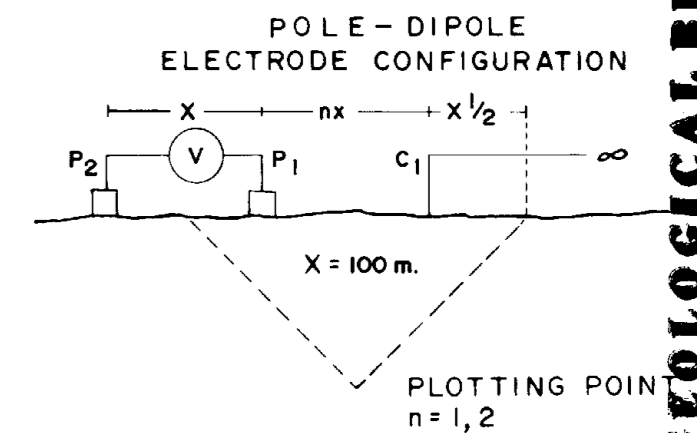
RECEIVER - Huntec Mk4

INDUCED POLARIZATION AND RESISTIVITY SURVEY

SURVEYED BY COMINCO LTD., EXPLORATION DIVISION

COMINCO LTD.  
 MORE PROPERTY  
 SKEENA M.D., B.C.

LINE NO. 400 W  
 LINE NO. 0 E



GEOLOGICAL BRANCH  
 ASSESSMENT REPORT

16,127

- CHARGEABILITY (IP) INTERPRETATION**
- 30 msecs STRONG CHARGEABILITY HIGH
  - 20-30 MODERATE CHARGEABILITY HIGH
  - 10-20 WEAK CHARGEABILITY HIGH
  - IP HIGH AT FURTHER SEPERATIONS
- APPARENT RESISTIVITY INTERPRETATION**
- APPARENT RESISTIVITY LOW

SCALE: 1:5000

DATE SURVEYED: April 16 1987

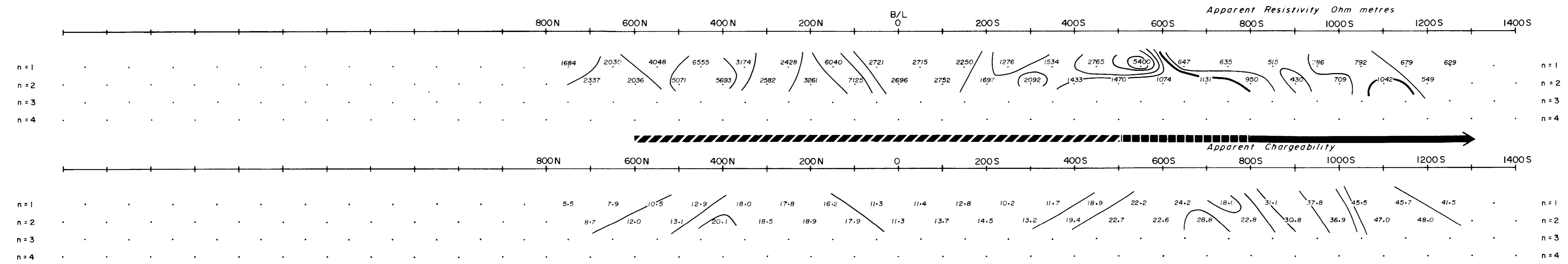
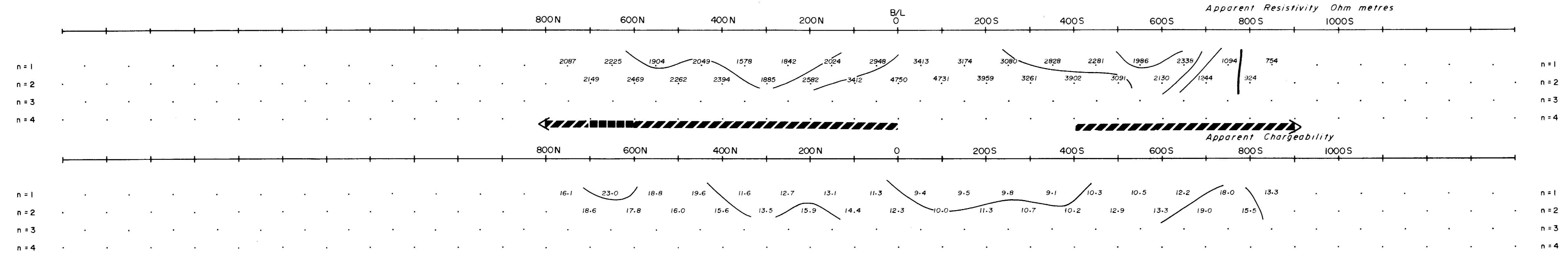
CONTOUR INTERVALS:  
 APP. RES. - 1, 1.5, 2, 3, 5, 7.5, 10  
 APP. CHARG - 5 msec

APPROVED: \_\_\_\_\_

DATE: May 1987

TRANSMITTER - Phoenix IPTI  
 RECEIVER - Huntec Mk 4

INDUCED POLARIZATION AND RESISTIVITY SURVEY  
 SURVEYED BY COMINCO LTD., EXPLORATION DIVISION





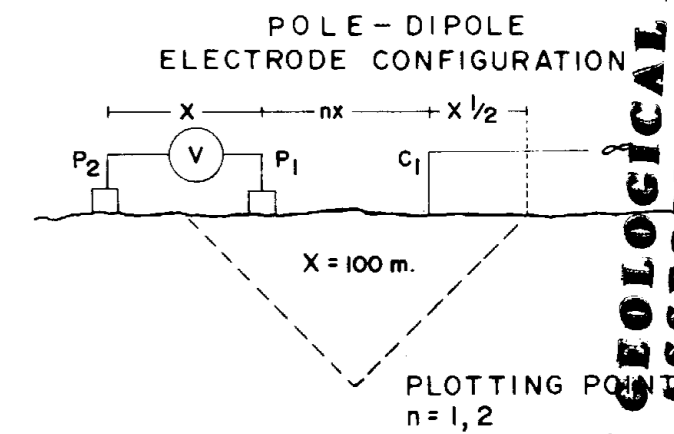
# COMINCO LTD.

## MORE PROPERTY

SKEENA M.D., B.C.

LINE NO. 1200 W

LINE NO. 800 W



# 16,127

CHARGEABILITY (IP) INTERPRETATION	
> 30 msecs	STRONG CHARGEABILITY HIGH
20-30	MODERATE CHARGEABILITY HIGH
10-20	WEAK CHARGEABILITY HIGH
	IP HIGH AT FURTHER SEPARATIONS
APPARENT RESISTIVITY INTERPRETATION	
-----	APPARENT RESISTIVITY LOW

SCALE: 1: 5000

DATE SURVEYED April 15 1987

CONTOUR INTERVALS:

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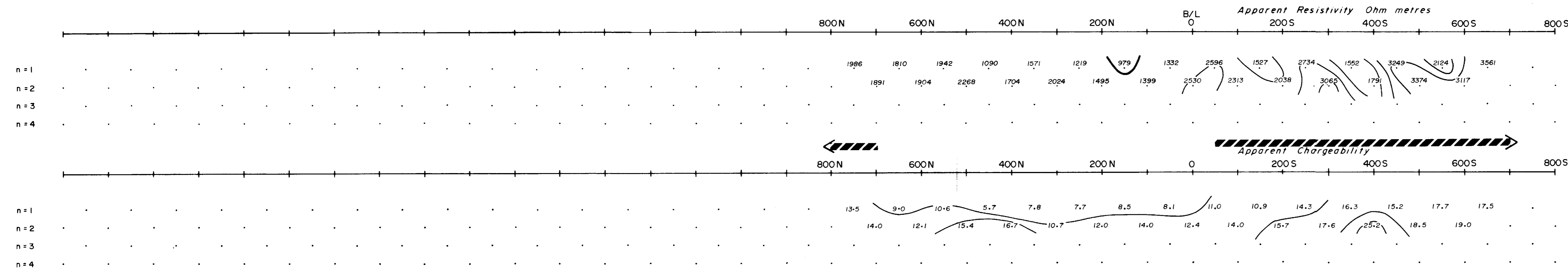
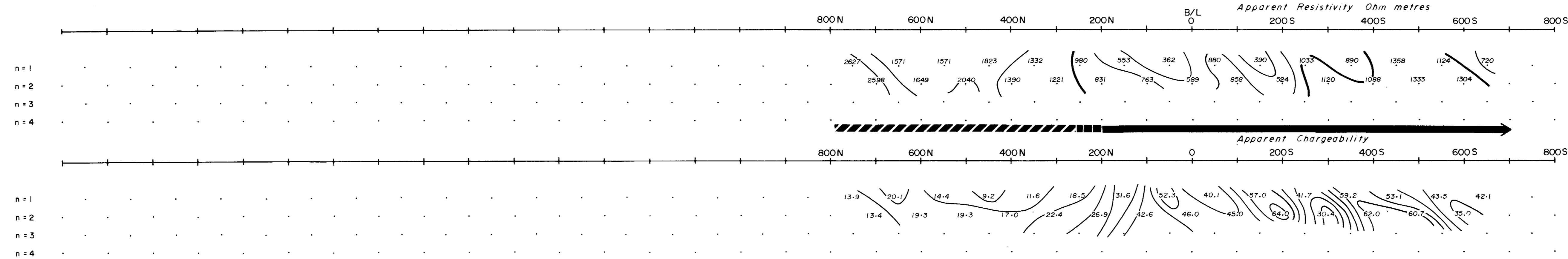
APP. CHARG - 5 msec

APPROVED: \_\_\_\_\_

DATE: May 1987

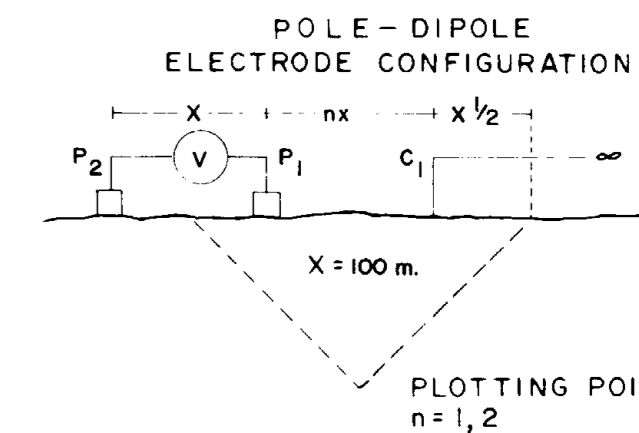
TRANSMITTER - Phoenix IPT1  
RECEIVER - Huntec Mk 4

INDUCED POLARIZATION AND RESISTIVITY SURVEY  
SURVEYED BY COMINCO LTD., EXPLORATION DIVISION



# COMINCO LTD. MORE PROPERTY SKEENA M.D., B.C.

LINE NO. 1600 W  
LINE NO. 1400 W



**CHARGEABILITY (IP) INTERPRETATION**

- > 30 msecs **STRONG CHARGEABILITY HIGH**
- 20-30 **MODERATE CHARGEABILITY HIGH**
- 10-20 **WEAK CHARGEABILITY HIGH**
- IP HIGH AT FURTHER SEPARATIONS

**APPARENT RESISTIVITY INTERPRETATION**

- APPARENT RESISTIVITY LOW

SCALE: 1:5000

DATE SURVEYED April 11 1987  
April 15 1987

CONTOUR INTERVALS:  
APP RES. - 1, 1.5, 2, 3, 5, 7.5, 10  
APP CHARG - 5 msec

APPROVED: \_\_\_\_\_

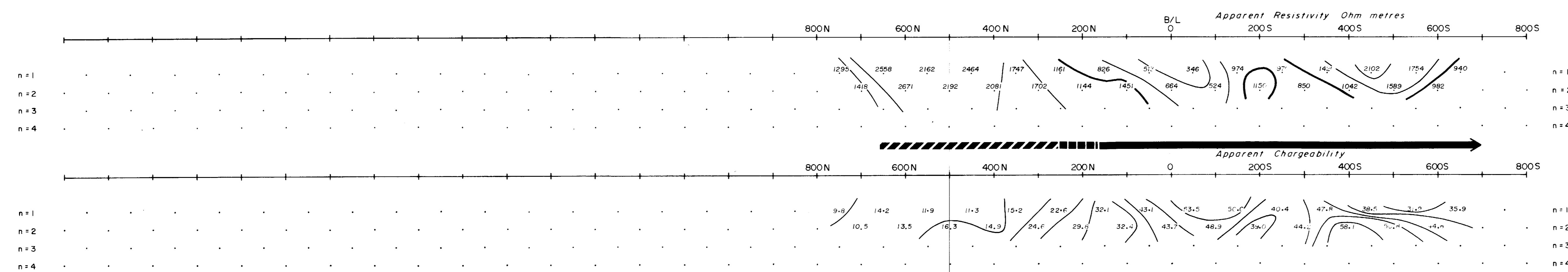
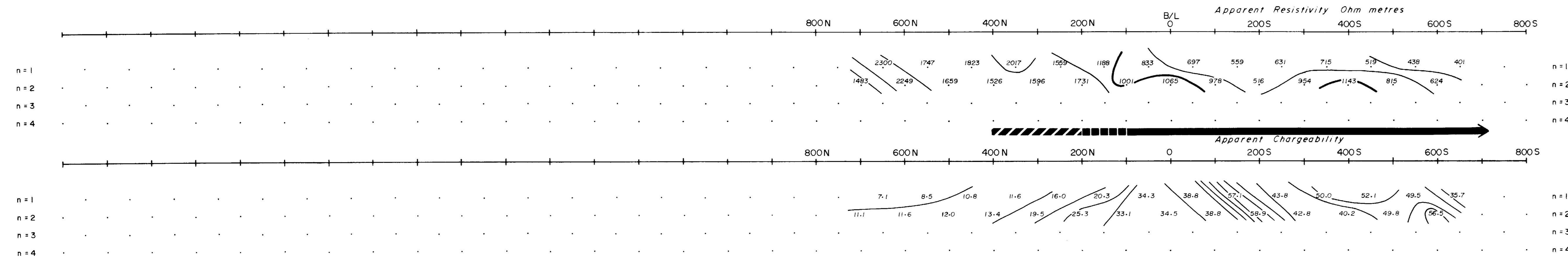
DATE: May 1987

TRANSMITTER - Phoenix IPT1  
RECEIVER - Hunttec Mk 4

INDUCED POLARIZATION AND RESISTIVITY SURVEY  
SURVEYED BY COMINCO LTD., EXPLORATION DIVISION

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

16,127



# COMINCO LTD.

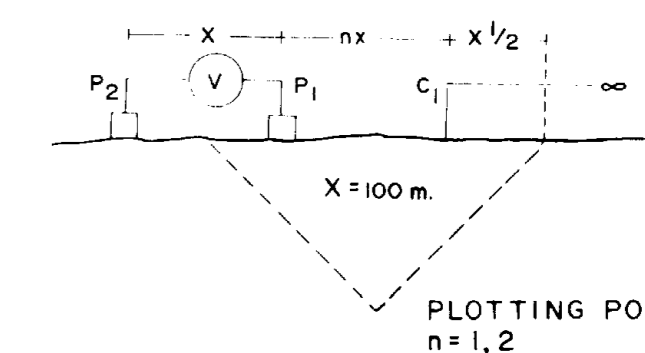
## MORE PROPERTY

SKEENA M.D., B.C.

LINE NO. 1600 E

LINE NO. \_\_\_\_\_

POLE-DIPOLE  
ELECTRODE CONFIGURATION



- CHARGEABILITY (IP) INTERPRETATION**
- > 30 msecs STRONG CHARGEABILITY HIGH
  - 20-30 MODERATE CHARGEABILITY HIGH
  - 10-20 WEAK CHARGEABILITY HIGH
  - IP HIGH AT FURTHER SEPERATIONS
- APPARENT RESISTIVITY INTERPRETATION**
- APPARENT RESISTIVITY LOW

SCALE: 1:5000

DATE SURVEYED April 21 1987

CONTOUR INTERVALS:

APP. RES. - 1, 1.5, 2, 3, 5, 7.5, 10

APP. CHARG - 5 msec

APPROVED: \_\_\_\_\_

DATE: May 1987

TRANSMITTER - Phoenix IPT1

RECEIVER - Hunttec Mk 4

INDUCED POLARIZATION AND RESISTIVITY SURVEY  
SURVEYED BY COMINCO LTD., EXPLORATION DIVISION

GEOLOGICAL BRANCH ASSESSMENT REPORT

# 16,127

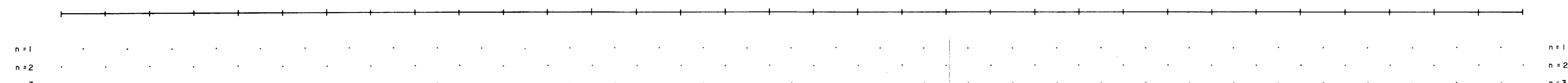
1000N 800N 600N 400N 200N 0 200S  
B/L



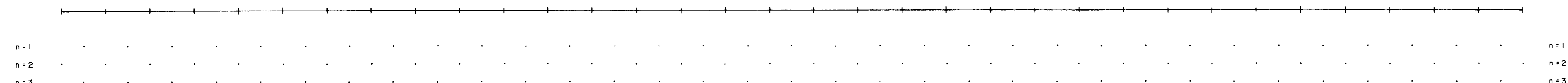
1000N 800N 600N 400N 200N 0 200S  
Apparent Chargeability



Apparent Resistivity Ohm metres



Apparent Chargeability



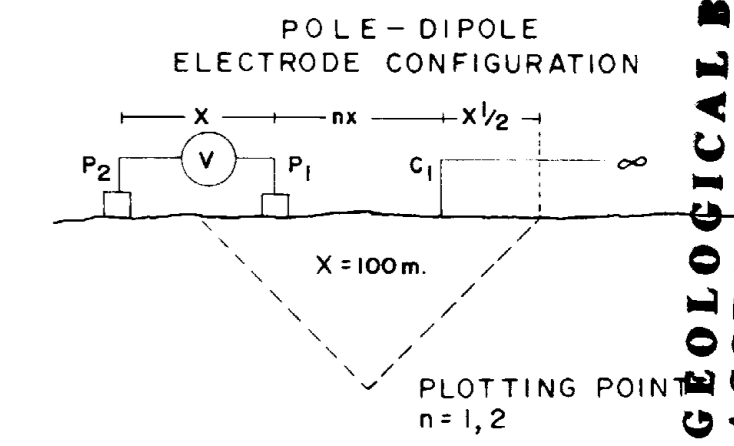
# COMINCO LTD.

## MORE PROPERTY

SKEENA M.D., B.C.

LINE NO. 1200 E

LINE NO. 1400 E



GEOLOGICAL BRANCH ASSESSMENT REPORT

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**CHARGEABILITY (IP) INTERPRETATION**

> 30 msecs **██████████** STRONG CHARGEABILITY HIGH

20-30 **▨▨▨▨▨▨** MODERATE CHARGEABILITY HIGH

10-20 **▧▧▧▧▧▧** WEAK CHARGEABILITY HIGH

IP HIGH AT FURTHER SEPERATIONS **▬▬▬▬▬▬**

**APPARENT RESISTIVITY INTERPRETATION**

----- APPARENT RESISTIVITY LOW

SCALE: 1:5000

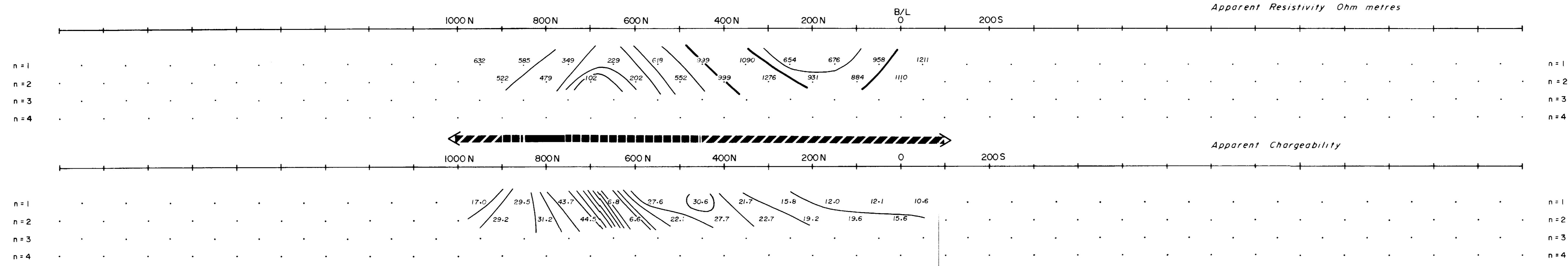
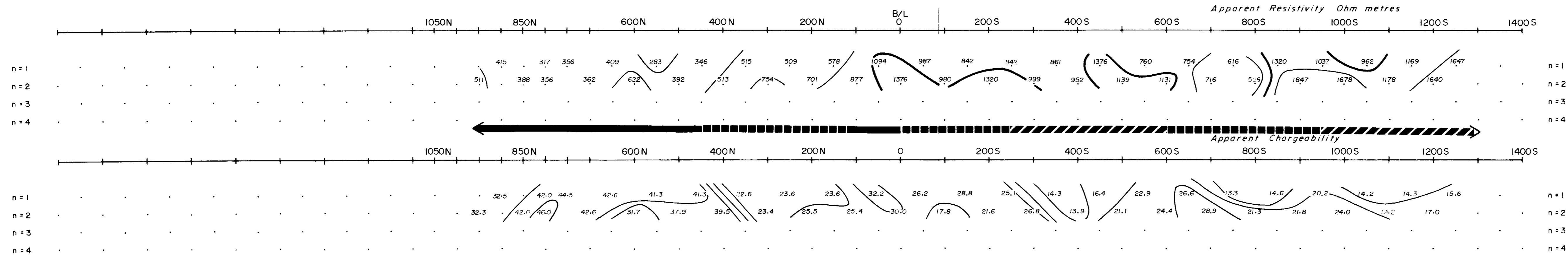
DATE SURVEYED: April 20 1987  
April 21 1987

CONTOUR INTERVALS:  
APP RES - 1,1.5,2,3,5,7.5,10  
APP CHARG - 5 msec

APPROVED: \_\_\_\_\_  
DATE: May 1987

TRANSMITTER - Phoenix IPT1  
RECEIVER - Huntec Mk 4

INDUCED POLARIZATION AND RESISTIVITY SURVEY  
SURVEYED BY COMINCO LTD., EXPLORATION DIVISION



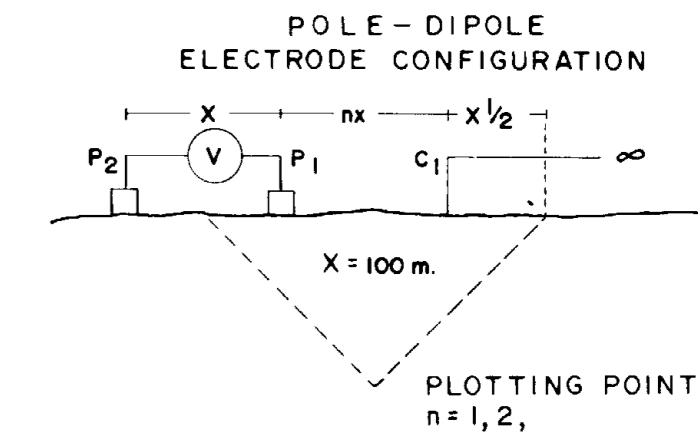
# COMINCO LTD.

## MORE PROPERTY

SKEENA M.D., B.C.

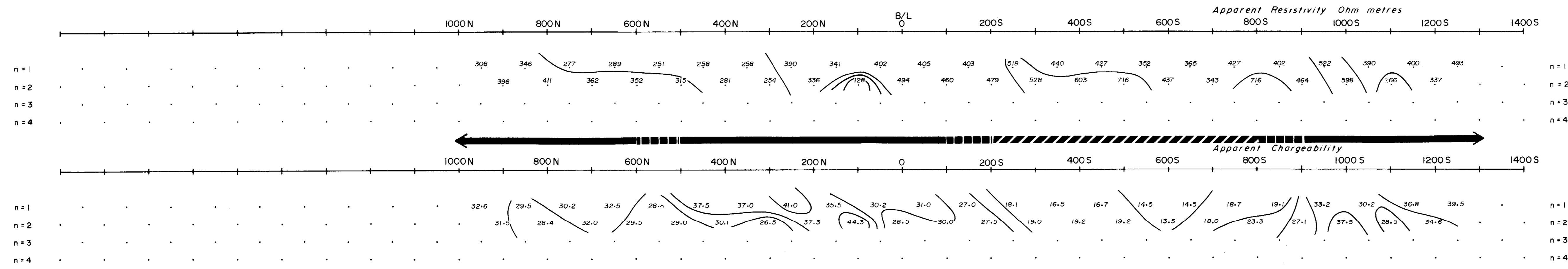
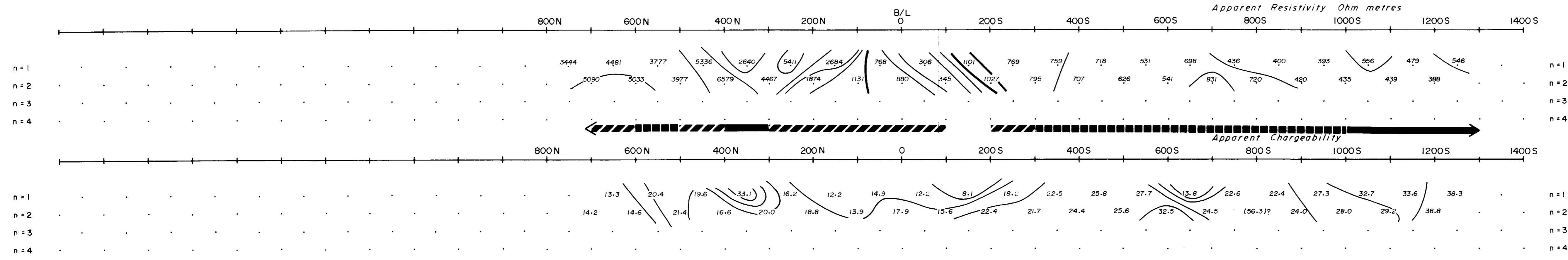
LINE NO. 400 E

LINE NO. 800 E



GEOLOGICAL BRANCH ASSESSMENT REPORT

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**CHARGEABILITY (IP) INTERPRETATION**

- > 30 msecs STRONG CHARGEABILITY HIGH
- 20-30 MODERATE CHARGEABILITY HIGH
- 10-20 WEAK CHARGEABILITY HIGH
- IP HIGH AT FURTHER SEPARATIONS

**APPARENT RESISTIVITY INTERPRETATION**

- APPARENT RESISTIVITY LOW

SCALE: 1:5000

CONTOUR INTERVALS:

APP. RES. - 1,1.5,2,3,5,7.5,10

APP. CHARG - 5 msec

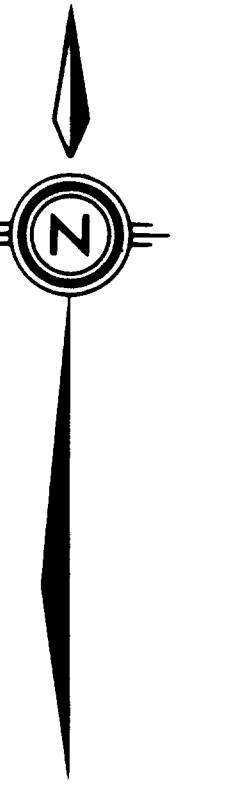
April 17 1987  
DATE SURVEYED April 19 1987

APPROVED: \_\_\_\_\_

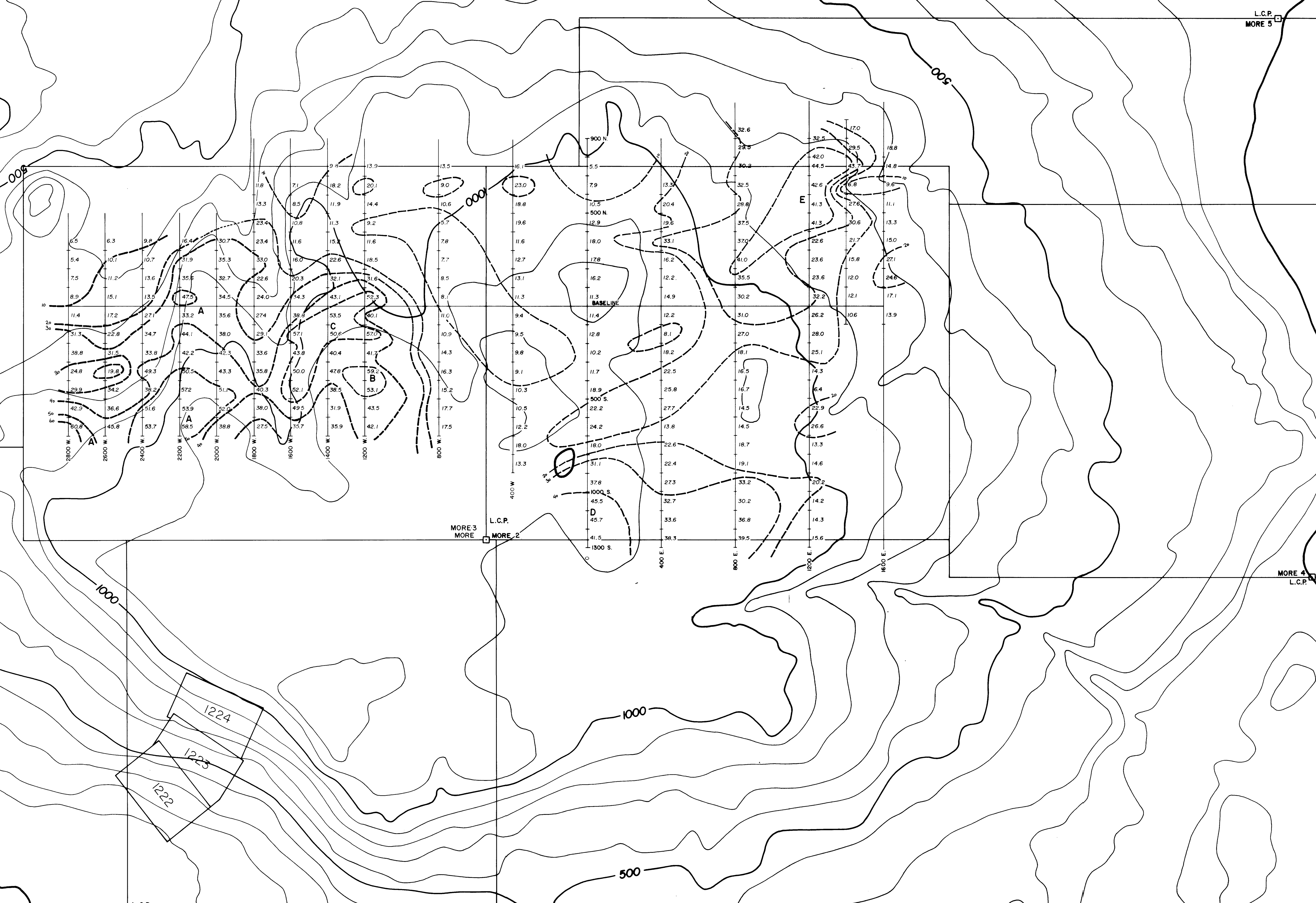
DATE: May 1987

TRANSMITTER - Phoenix IPT1  
RECEIVER - Huntec Mk 4

INDUCED POLARIZATION AND RESISTIVITY SURVEY  
SURVEYED BY COMINCO LTD., EXPLORATION DIVISION



HECATE  
STRAIT




Instruments: Transmitter - PHOENIX IPT 1  
Receiver - HUNTEC Mk 4

Contour interval: 10.0 milliseconds

**GEOLOGICAL BRANCH**  
**ASSESSMENT REPORT**

**16,127**

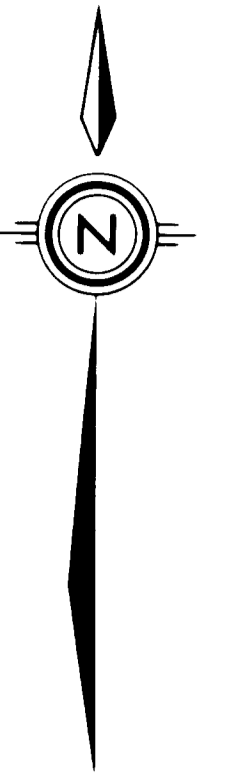


**More Property** SKEENA M.D., B.C.  103 0/4

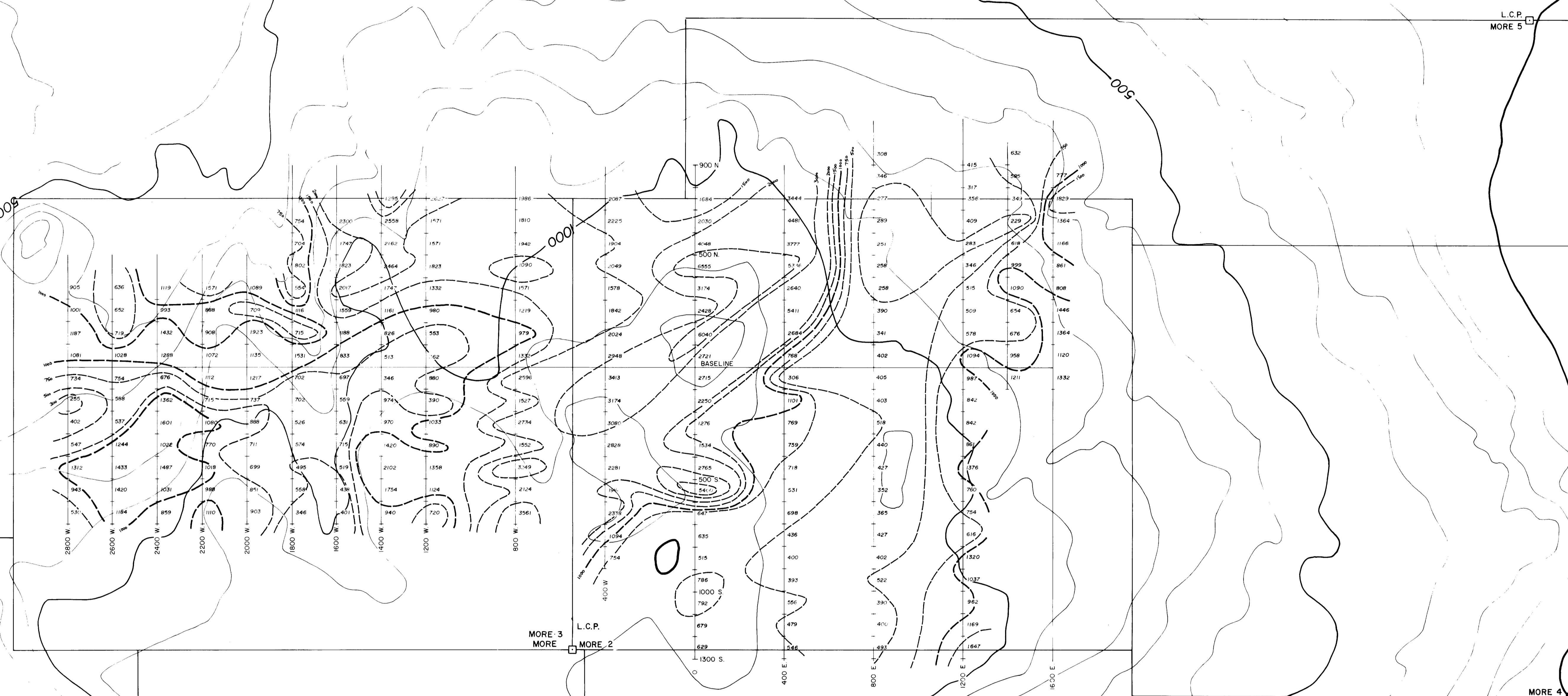
Drawn by:	Traced by:	a. m. b.
Checked by:	Reviewed by:	Date:

PLAN of CHARGEABILITY VALUES  
a = 100 metres n = 1

Scale: 1 : 10,000 Date: MAY 1987 Plate: 320-87-11



# HECATE STRAIT

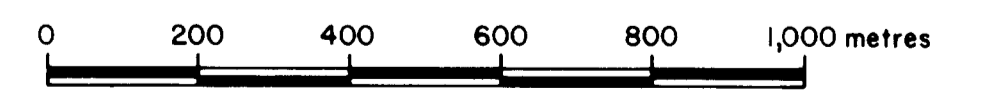


Instruments - Transmitter - PHOENIX IPT1  
Receiver - HUNTEC Mk - 4


Contour interval: 1, 1.5, 2, 3, 5, 7.5, 10 ohm metres

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

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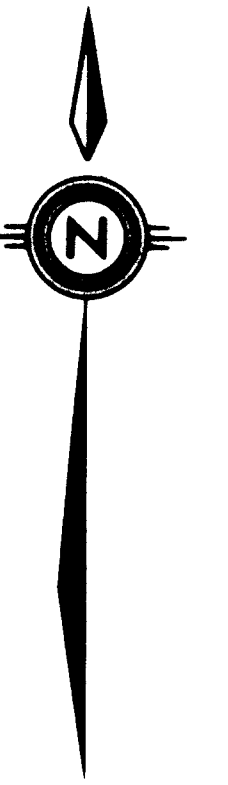
L.C.P.  
SHEWA 1 SHEWA 2

**More Property** SKEENA MD, BC  103 G/4

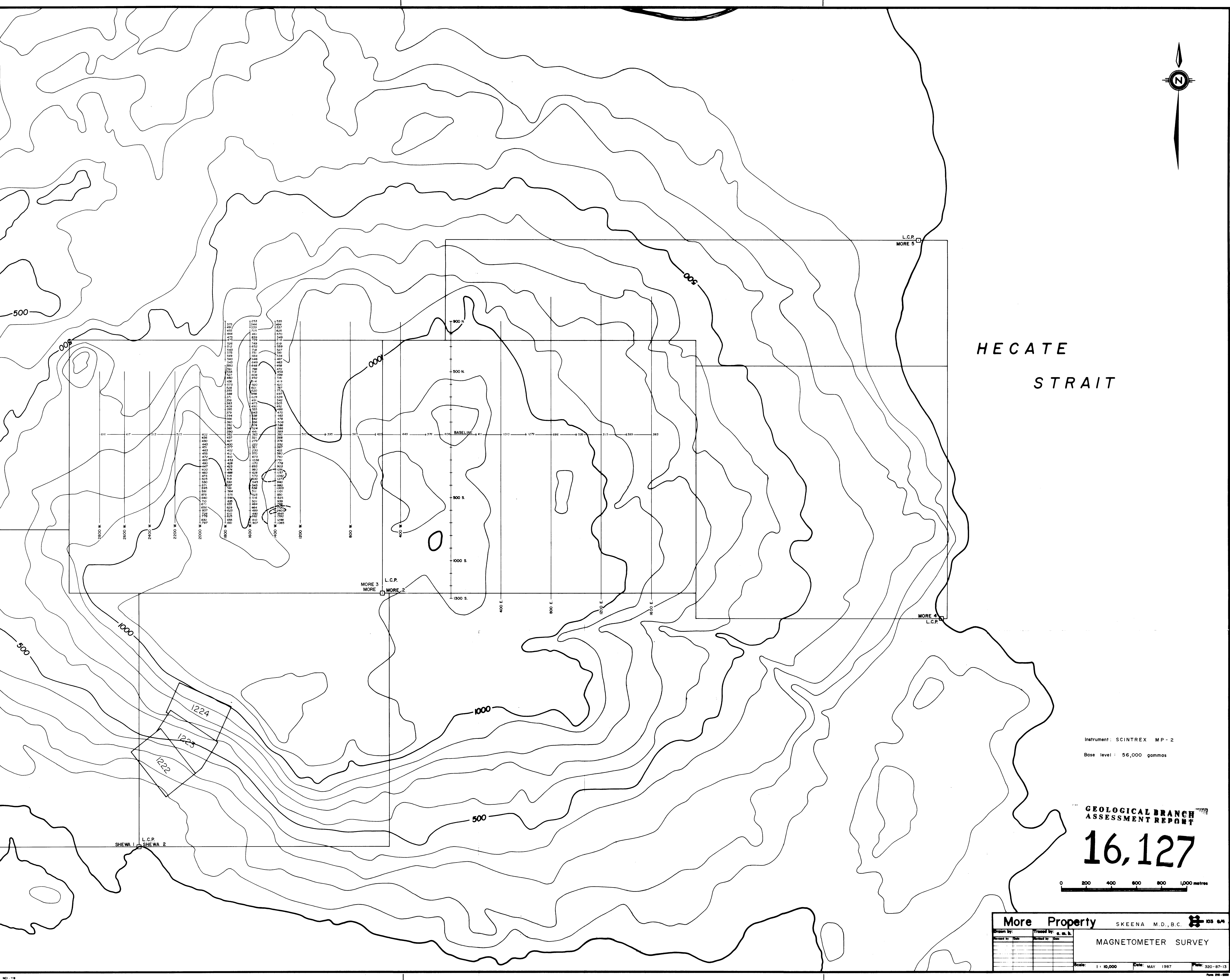
Drawn by	Traced by
Revised by	Revised by

**PLAN of APPARENT RESISTIVITY**  
a = 100 metres n = 1

Scale: 1 : 10,000 Date: MAY 1987 Plate: 320-87-12



HECATE  
STRAIT



Instrument: SCINTREX MP-2

Base level: 56,000 gammas

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

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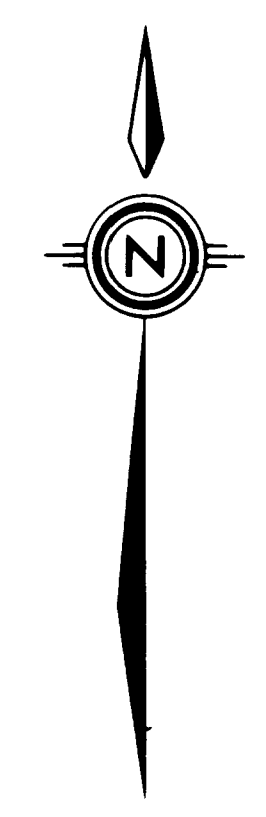
More Property SKEENA M.D., B.C. 103 6/4

Drawn by:	Traced by:
	a. m. b.
Checked by:	Date:
Checked by:	Date:

MAGNETOMETER SURVEY

Scale: 1 : 10,000 Date: MAY 1987 File: 320-87-13





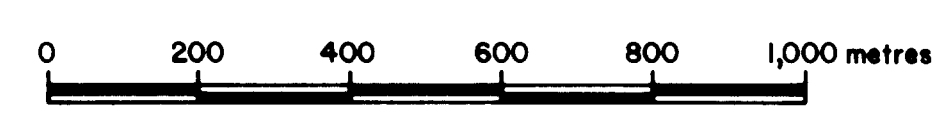
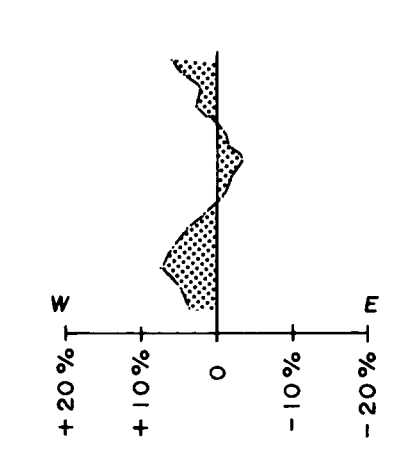
HECATE  
STRAIT

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

16,127

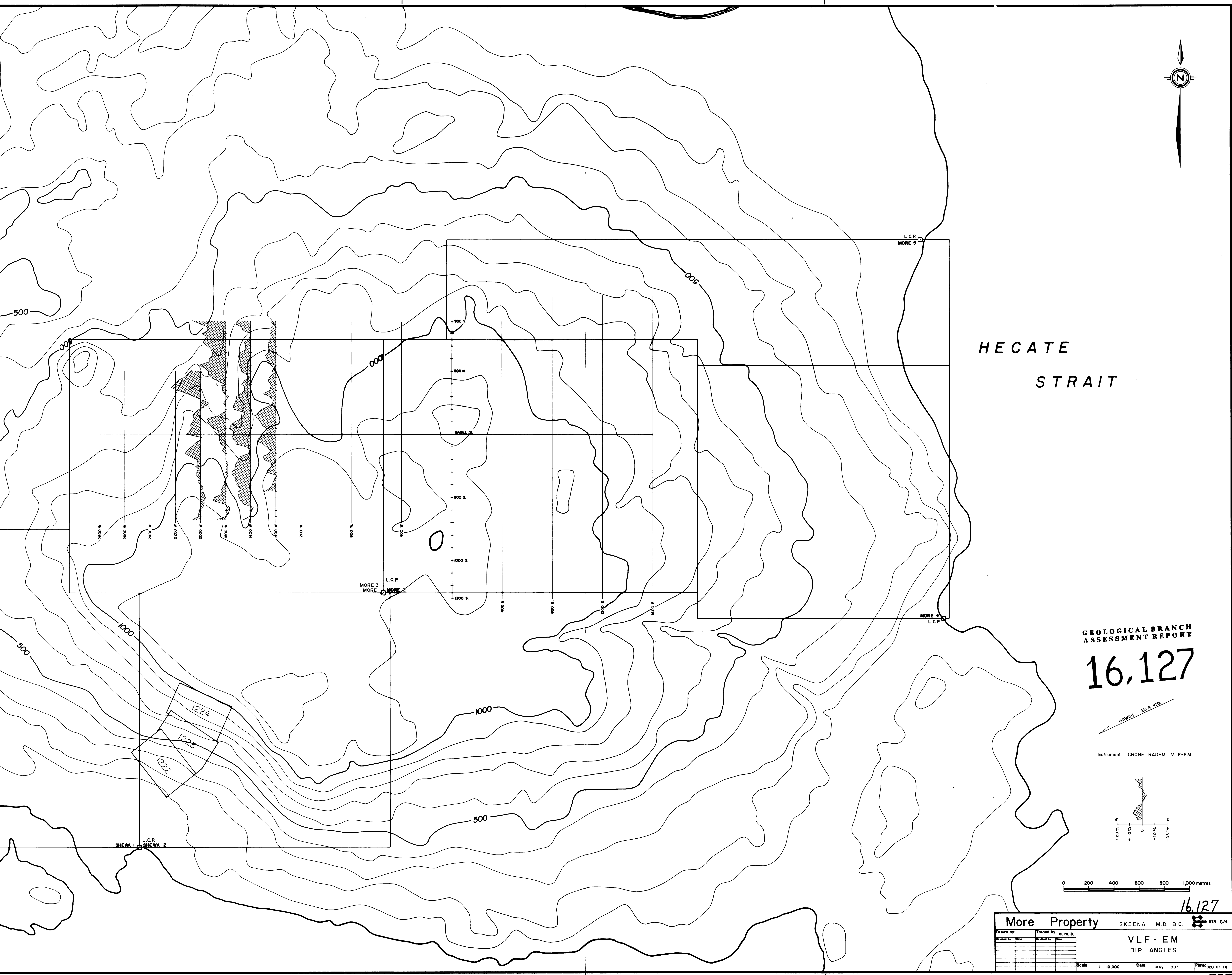
HAWAII 23.4 MHz

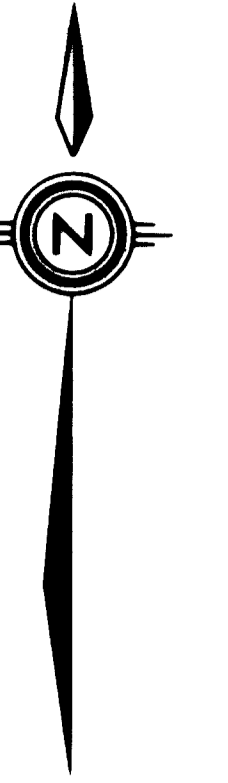
Instrument: CRONE RADEM VLF-EM



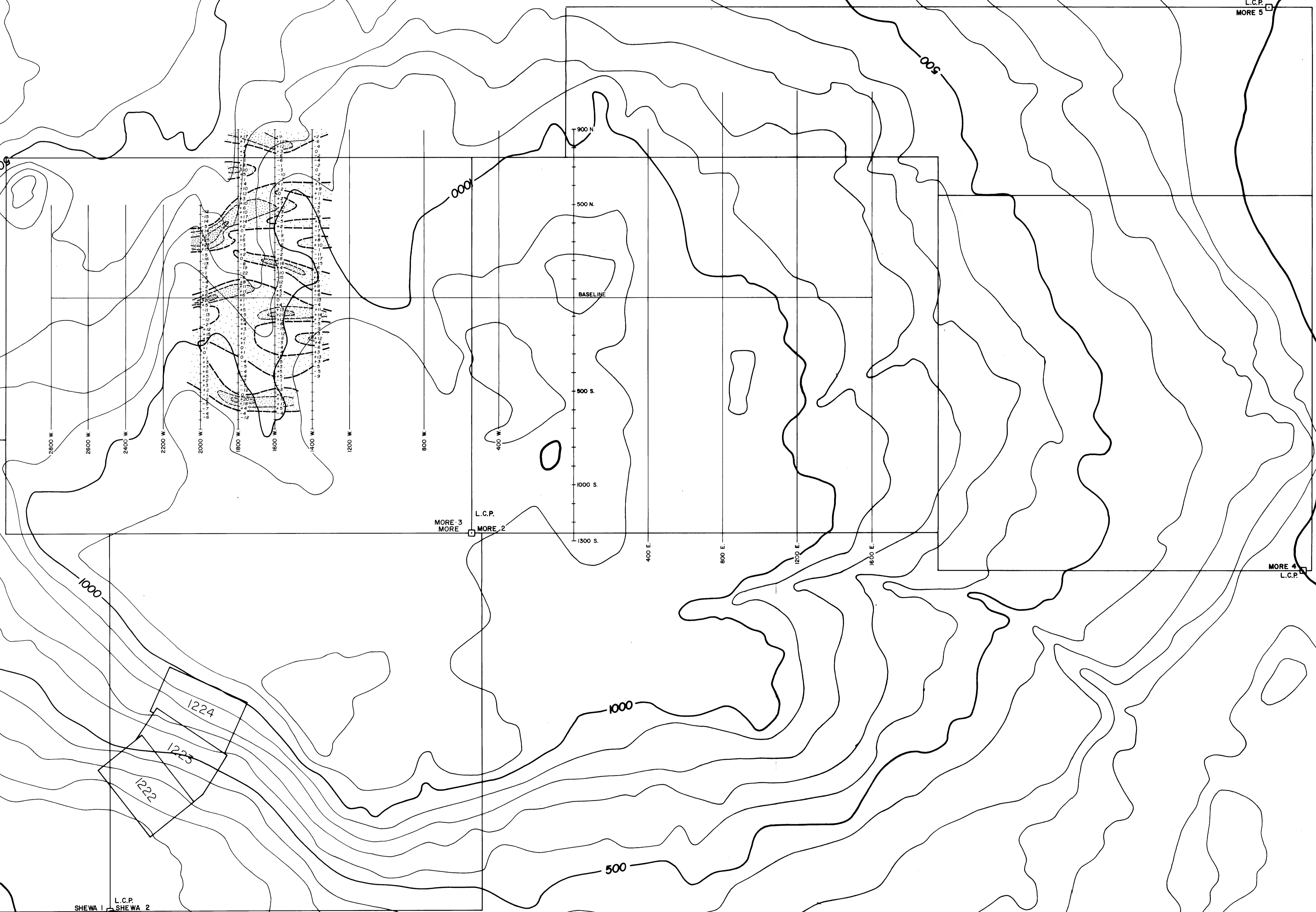
16,127

More Property		SKEENA M.D., B.C.	103 G/4
Drawn by:	Traced by:	G. M. B.	
Checked by:	Date:	Checked by:	Date:
VLF - EM		DIP ANGLES	
Scale:	1 : 10,000	Date:	MAY 1987
File:	320-87-14		





HECATE  
STRAIT



HAWAII 23.4 MHz

Instrument: CRONE - RADEM VLF - EM

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

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More Property		SKEENA M.D., B.C.	103 6/4
Drawn by:	Traced by:	a. m. b.	
Revised by:	Date:	Revised by:	Date:
		VLF - EM	
		FRASER FILTERED DIP ANGLES	
Scale:	1 : 10,000	Date:	MAY 1987
		Plate:	320-87-15