

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

N.T.S. 92H/15E

GEOPHYSICAL REPORT

INDUCED POLARIZATION AND MAGNETOMETER  
GEOPHYSICAL SURVEYS

GROVE PROPERTY

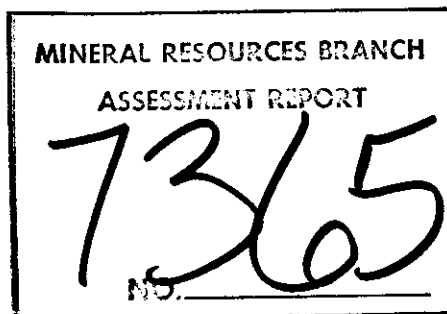
SNOWFLAKE CLAIMS

Aspen Grove Area, Nicola Mining Division, B.C.

Latitude:  $49^{\circ}58'N$ ; Longitude:  $120^{\circ}34'W$

Work Performed: May 6-25, 1979

On Claims: Snowflake 2, 4, 5, 7, 8, 9, and 10



July 1979

Alan Scott

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\* \* \* \* \*

ATTACHMENTS

Plate 150-79-1	Location Map
" 150-79-2	Claims and Grid Map
" 150-79-3 to 14	Induced polarization and apparent resistivity pseudosections, magnetic field profiles.

\* \* \* \* \*

## INTRODUCTION

The GROVE property (SNOWFLAKE mineral claims) is located immediately east of Highway 5, some 22 kilometers south of Merritt, B.C. Plate 150-79-1 shows the general location of the property, and plate 2 shows the location of the survey grid relative to the claims.

During the period May 6-25, 1979, a Cominco geophysical crew completed some 26 line kilometers of multiseperation induced polarization and total field magnetics surveys over portions of the claims.

This report describes these geophysical surveys, presents the data, and discusses the results.

## LOCATION AND ACCESS

The GROVE property lies immediately east of Highway 5, some 22 kilometers south of Merritt, B.C.

Vehicle access can be gained via a dirt road east from Highway 5, as indicated on the accompanying claims and grid map, plate 2.

## GEOLOGY

The exploration targets on the GROVE property are alkaline porphyry copper deposits. Previous work on the property (trenching, percussion drilling, geological mapping) has located mineralization (chalcocite, chalcopyrite, bornite and native copper) in propylitized diorites near the contact with alkaline Nicola basalts.

## INDUCED POLARIZATION SURVEY

G.J. Niemeyer, geophysical technician, was the party chief/receiver operator on the Grove survey.

A Huntec 7.5 Kw time domain induced polarization motor generator/transmitter was used in the survey. A 2 second current on/2 second current off alternating square wave was used for the transmitted signal. The survey was started with a Scintrex IPR-8 receiver, but due to a malfunction, it was necessary to use a

Huntec Mk III

.....2/

Huntec MK III receiver for a portion of the survey.

The chargeability values plotted for the IPR-8 are the  $M_{232}$  values, and the units are in millivolts per volt. The MK III values were obtained using a time delay ( $t_d$ ) of 240 msec and a measuring period ( $t_p$ ) of 60 msec.

Line 21+00N was surveyed with both instruments and the ratio of 0.813 was established as the conversion factor for MK III to IPR-8 values. Values plotted are those for the IPR-8  $M_{232}$  window or MK III values converted to IPR-8 equivalent.

The pole dipole electrode array was used on the survey. The "a" spacing was 75 meters and readings were taken at "n" separations of 1, 2, 3 and 4. The current electrode was kept to the east of the potential dipole.

The apparent resistivity values are given in units of ohm meters. They were calculated from the relation:

$$\text{apparent resistivity} = (V/I).K$$

where V is the voltage across the potential measuring dipole during the current on period (I), and K is a constant dependent on the "a" spacing and "n" separation.

#### MAGNETOMETER SURVEY

Scintrex MP-2 proton precession magnetometer was used for the magnetics survey. The instrument measures the earth's total magnetic field to the nearest gamma. A check was made on diurnal variation by repeating readings at base line stations within 2 hour periods. No diurnal variations of greater than 20 gammas were observed, and the data has not been corrected for those changes.

Readings were taken at 25 meter intervals along the IP survey line, and are plotted in profile form on the IP pseudosections.

#### DESCRIPTION OF RESULTS

.....3/

## DESCRIPTION OF RESULTS

The four separations of apparent resistivity and chargeability (IP) data are plotted in standard pseudosection format on accompanying plates 150-79-3 to 14, inclusive. The magnetic field data is shown in profile form. Note that the pseudosection format is a schematic representation of the data, and no depth to target or target geometry is implied by this representation. IP anomalies have been coded on the section as follows:

definite (high amplitude and well defined)

probable (moderate amplitude)

weak (above background values but poorly defined)

The strongest IP response of the survey was the anomaly centered at 150 W on line 900N. The peak n=1 separation value is 33.7 millivolts per volt. A strong response to this anomaly was also obtained on line 1200N, where it is centered near the baseline, and the peak n=1 value is 27.6 millivolts per volt.

Strong chargeability responses also plot on line O at midway between stations 1575 and 1650 W, and between stations 1425 and 1500 W. Similar, but lower amplitude, anomalies were also obtained along strike on line 400 N. The overall response of these two anomalies is complex, with the easternmost anomaly being associated with a very strong magnetic high (some 9,000 gammas above background on line O). The powerline is coincident with the western anomaly on line O and the eastern anomaly on line 400 N. The possibility of a cultural source (grounding networks for the tower?) cannot be overlooked, but seems unlikely in view of the lack of such response elsewhere along the powerline, and the very large width of the overall anomalous zone.

Moderate amplitude IP anomalies have been noted centered at 1275 E and at 600 W on line O; at 375 E on line 1800 N; and at 675 E on line 2100 N. In addition, there are several weak anomalies noted on the section. Such weak anomalies could well be significant if they are caused by copper mineralization rather than iron sulphides.

## CONCLUSIONS

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CONCLUSIONS

Portions of the SNOWFLAKE mineral claims were surveyed with multiseparation time domain IP and total field magnetics in May, 1979. The survey was fairly regional in its coverage, in that survey lines were normally 300 or 400 meters apart.

Several chargeability (IP) anomalies were detected on the survey. These have been defined on the pseudosections as definite, probable, or weak. The main features are discussed briefly in the text.

A detailed correlation of these anomalies to geological and geochemical data to assess their significance is required. Fill in IP survey lines should then be run over higher priority anomalies, prior to any drilling program.

Respectfully submitted by:



Alan Scott  
Geophysicist

Endorsed for release by:



G. HARDEN  
Manager, Exploration  
Western District

ARS/tlp  
9 July 1979

Distribution:

Mining Recorder (2)  
Western District (1)  
Geophysics File (1)

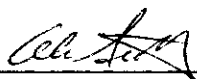
APPENDIX I

IN THE MATTER OF THE B.C. MINERAL ACT  
AND IN THE MATTER OF A GEOPHYSICAL PROGRAMME  
CARRIED OUT ON PORTIONS OF THE SNOWFLAKE MINERAL CLAIMS  
ON THE GROVE PROPERTY  
LOCATED 22 KM SOUTH OF MERRITT IN THE NICOLA MINING DIVISION  
OF THE PROVINCE OF BRITISH COLUMBIA, MORE PARTICULARLY  
N.T.S.: 92H/15E

S T A T E M E N T

I, ALAN SCOTT, OF THE CITY OF 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 GEOPHYSICAL SURVEY ON THE SNOWFLAKE MINERAL CLAIMS;
3. THAT THE SAID EXPENDITURES WERE INCURRED FOR THE PURPOSE  
OF MINERAL EXPLORATION OF THE ABOVE NOTED CLAIMS BETWEEN  
THE 6th OF MAY AND 25th OF MAY, 1979.

  
\_\_\_\_\_  
Alan Scott  
Geophysicist

ARS/tlp  
9 July 1979

APPENDIX II

GROVE PROPERTY

STATEMENT OF EXPENDITURES

(IP and Magnetics Surveys)

Salaries (Geophysics field survey, May 6-25):

A. Scott	May 6-8	3 days	@ \$150....\$	450
G. Niemeyer	May 6-11, 13-18, 20-25	18 "	@ 105....	1,890
I. Cummings	May 6-11, 13-18, 20-25	18 "	@ 81....	1,458
J. Bell	May 6-11, 13-18, 20-25	18 "	@ 81....	1,458
R. Prefontaine	" 6-11, 13-18, 20-25	18 "	@ 81....	1,458
S. Kirstiuk	May 8-11, 13-18, 20-25	16 "	@ 81....	1,295
D. Saunders	May 22-25	4 "	@ 81....	324

Rentals:

7-5 Kw IP survey system	18 days	@ 251/day.	4,518
Magnetometer rental	4 "	@ 10/day.	40

Charges per operating day:

(Towards report, drafting, supervision)

17 days at \$175/day. . . . . 2,975

Miscellaneous:

Food, lodging, gas, consumables. . . . . 3,798

Linecutting:

19.07 miles (30.5 Km) @ \$300/mile. . . . . 5,721

Project Geologist:

(Supervision of line cutting & locating claim posts)

R.U. Bruaset	April 30, May 1-2, 30-31	5 days	@ \$150..	750
	Domicile	5 "	@ 35..	175
	Transportation	5 "	@ 40..	200

TOTAL EXPENDITURES. . . . . \$26,511

ARS/tlp  
9 July 1979



Alan Scott  
Geophysicist

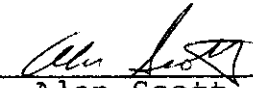


APPENDIX III

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

I, ALAN SCOTT, of 4013 West 14th Avenue, in the City of Vancouver, in the Province of British Columbia, do hereby certify that:

1. I graduated from the University of British Columbia in 1970 with a B. Sc. in Geophysics.
2. That I am a member of the Association of Professional Engineers of the Province of Saskatchewan, the Society of Exploration Geophysicists of America, and the British Columbia Geophysical Society.
3. I have been practising my profession for the past nine years.

  
\_\_\_\_\_  
Alan Scott  
Geophysicist

ARS/tlp  
9 July 1979

120°35'

120°30'

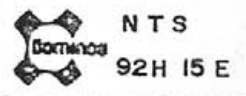
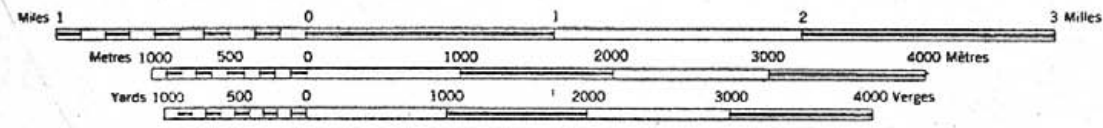
50°00'N  
L 164  
L 153



1979 GEOPHYSICS  
GROUND GRID  
GROVE PROPERTY

49°55'N

SCALE 1:50,000 ÉCHELLE



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

GROVE PROPERTY  
SNOWFLAKE CLAIMS  
LOCATION MAP

NICOLA M. D., B. C.

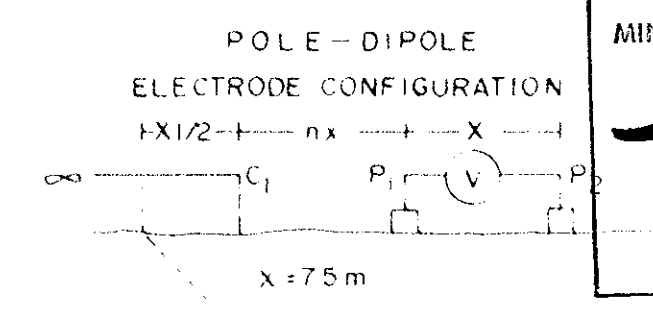
Scale: 1:50,000

Date: JULY, 1979

Plate: 150-79-1

# COMINCO LTD. GROVE PROPERTY SNOWFLAKE CLAIMS NICOLA M.D., B.C.

LINE NO. 1500N



MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
**7365**  
NO.

PLOTTING POINT  
n = 1, 2, 3, 4

CURRENT ELECTRODE EAST OF POTENTIAL DIPOLE

DEFINITE   
PROBABLE   
WEAK

DATE SURVEYED \_\_\_\_\_

CONTOUR INTERVALS \_\_\_\_\_

APP RES. - 1, 1.5, 2, 3, 5, 7.5, 10 ohm metres  
APP CHARG - 5.0 Mv/V

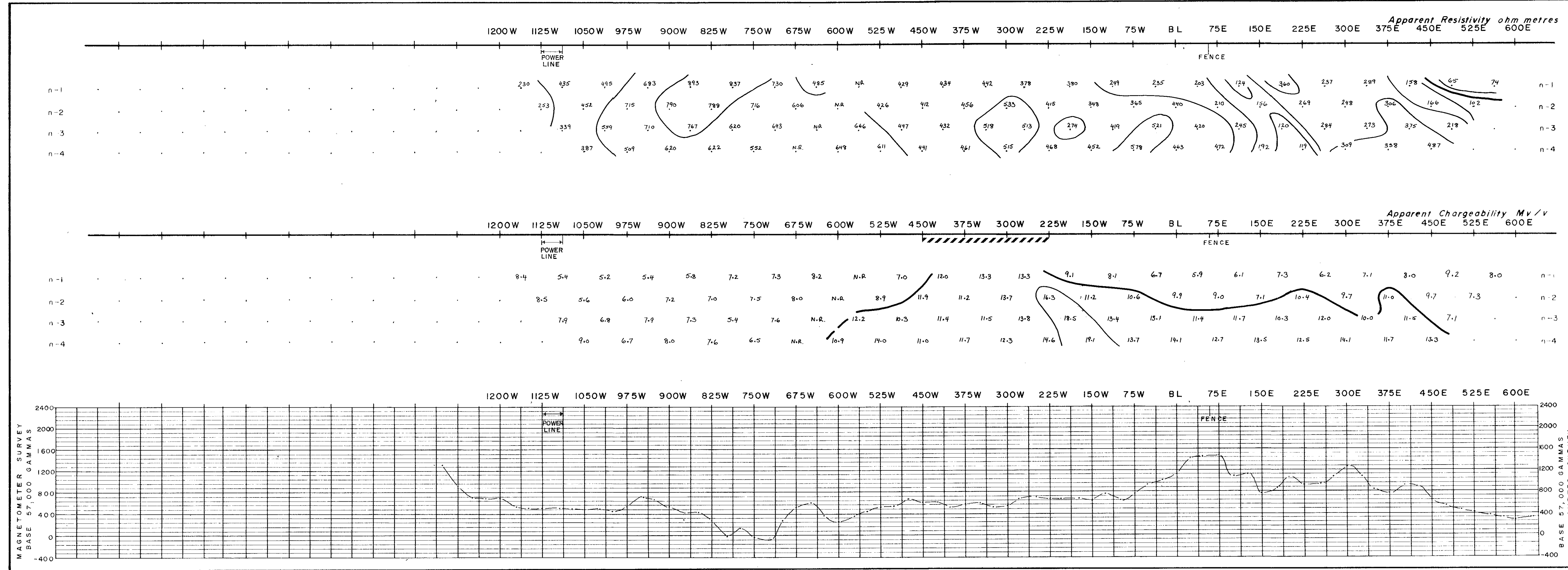
APPROVED

DATE \_\_\_\_\_

TRANSMITTER - HUNTEC 7.5 Kw  
RECEIVER - MK III (Converted to IPR 8)

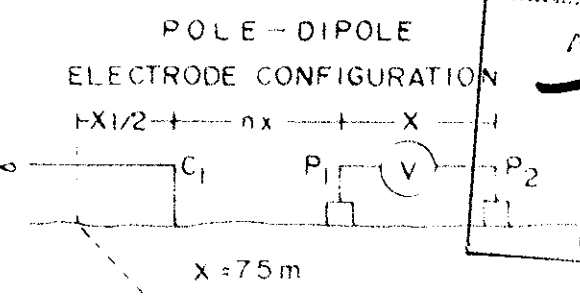
SCINTREX MP II PROTON PRECESSION MAGNETOMETER

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



**COMINCO LTD.**  
**GROVE PROPERTY**  
**SNOWFLAKE CLAIMS**  
**NICOLA M.D., B.C.**

LINE NO. 1800 N



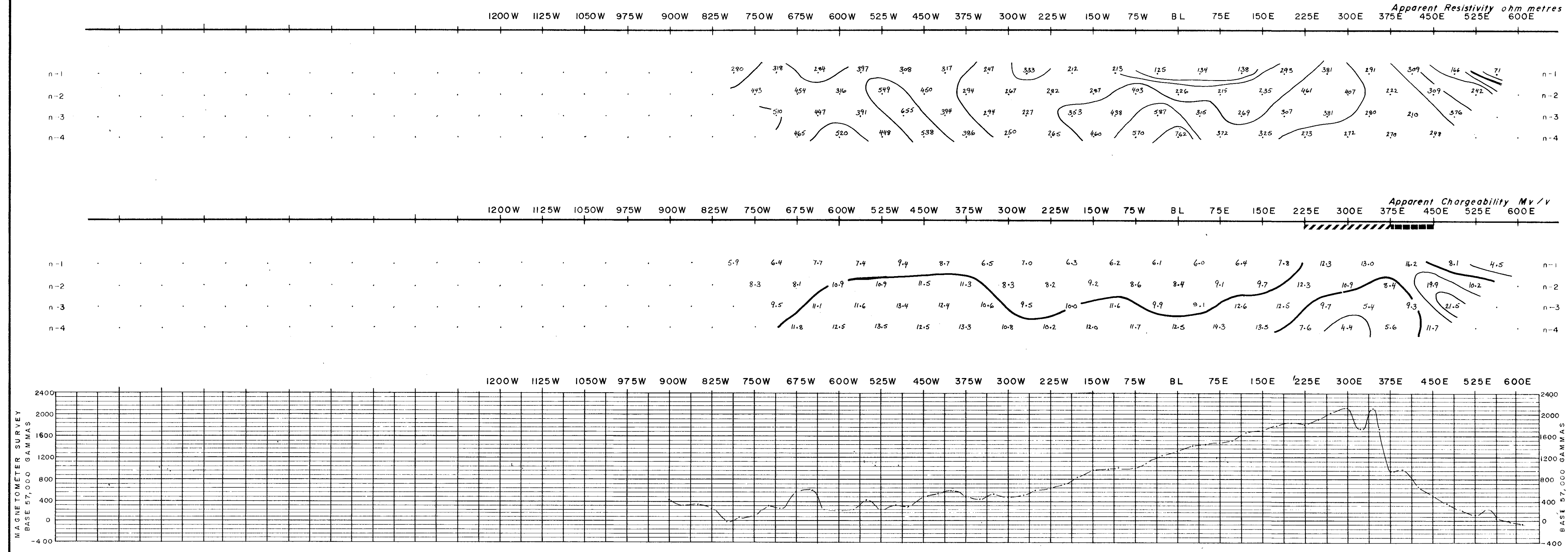
MINERAL DEVELOPMENT BRANCH  
 ADDITIONAL REPORT  
**7365**

PLOTTING POINT  
 n = 1, 2, 3, 4  
 CURRENT ELECTRODE EAST OF POTENTIAL DIPOLE

DEFINITE   
 PROBABLE   
 WEAK

DATE SURVEYED \_\_\_\_\_  
 CONTOUR INTERVALS :  
 APP RES - 1, 1.5, 2, 3, 5, 7.5, 10 ohm metres  
 APP CHARG - 5.0 Mv/v  
 APPROVED   
 DATE \_\_\_\_\_

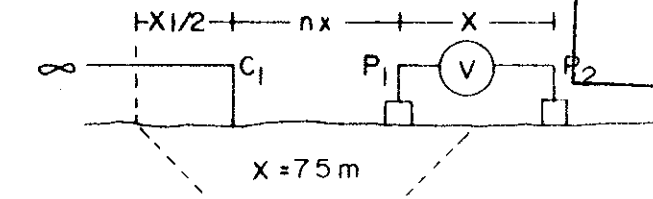
TRANSMITTER - HUNTEC 7.5 Kw  
 RECEIVER - MK III (Converted to IPR 8)  
 SCINTREX MP II PROTON PRECESSION MAGNETOMETER  
 INDUCED POLARIZATION AND RESISTIVITY SURVEY  
 SURVEYED BY COMINCO LTD., EXPLORATION DIVISION



# COMINCO LTD. GROVE PROPERTY SNOWFLAKE CLAIMS NICOLA M.D., B.C.

LINE NO. 2100 N

POLE-DIPOLE  
ELECTRODE CONFIGURATION



MINED BY COMINCO LTD.  
7365  
NO.

PLOTTING POINT  
n = 1, 2, 3, 4

CURRENT ELECTRODE EAST OF POTENTIAL DIPOLE

DEFINITE

PROBABLE

WEAK

DATE SURVEYED \_\_\_\_\_

CONTOUR INTERVALS:  
APP RES. - 1, 1.5, 2, 3, 5, 7.5, 10 ohm metres  
APP CHARG - 5.0 Mv/V

APPROVED

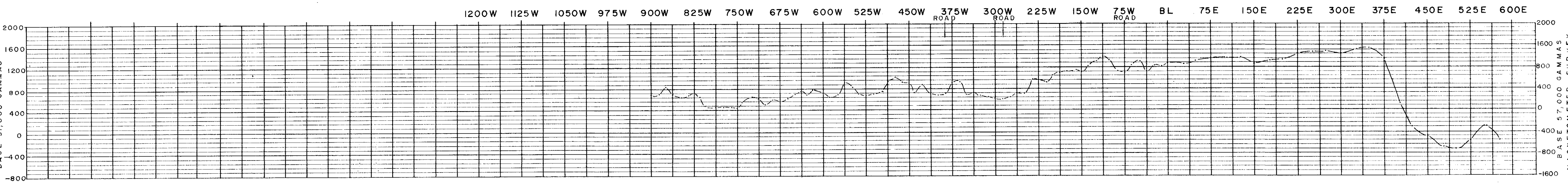
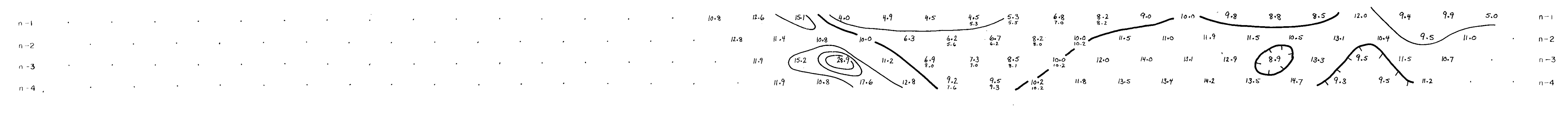
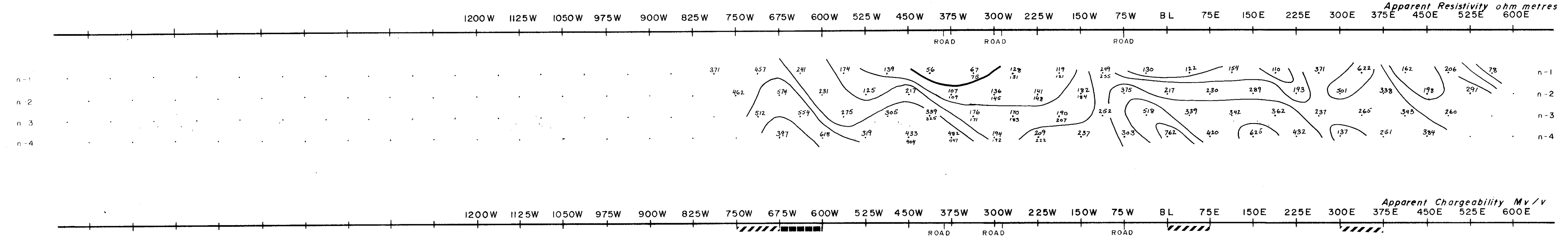
DATE \_\_\_\_\_

TRANSMITTER - HUNTEC 7.5 Kw  
RECEIVER - MK III (Converted to IPR 8) sta 600E to BL  
AND IPR 8 Mv/V sta 75W to sta 750W  
SCINTREX MP II PROTON PRECESSION MAGNETOMETER

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

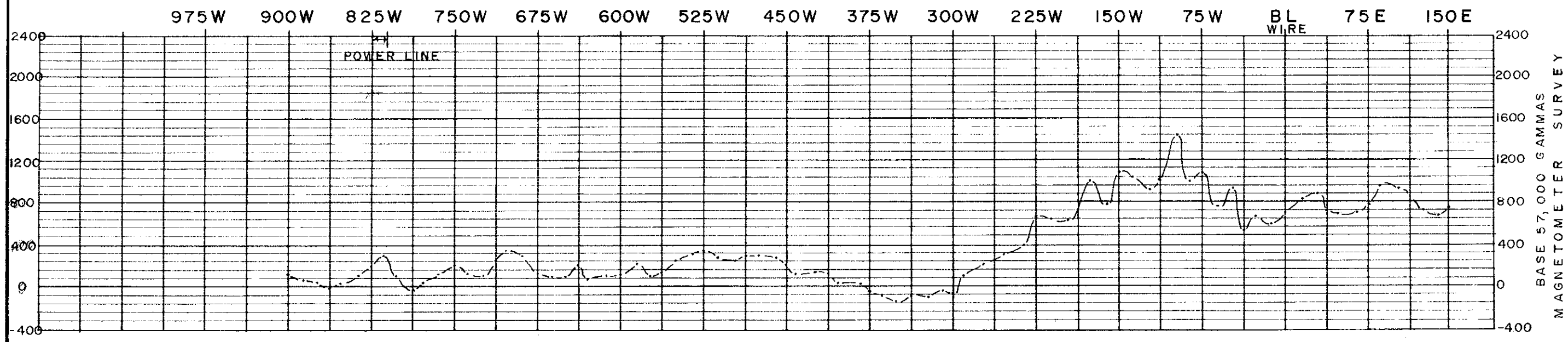
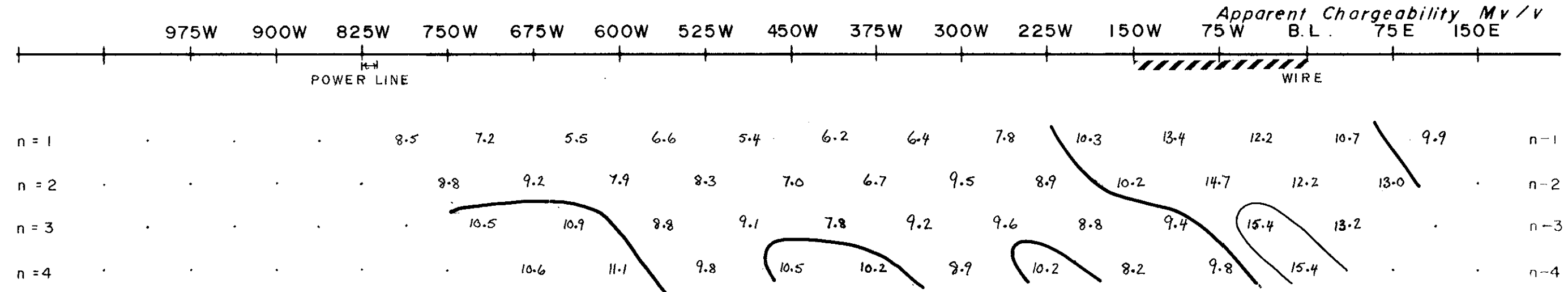
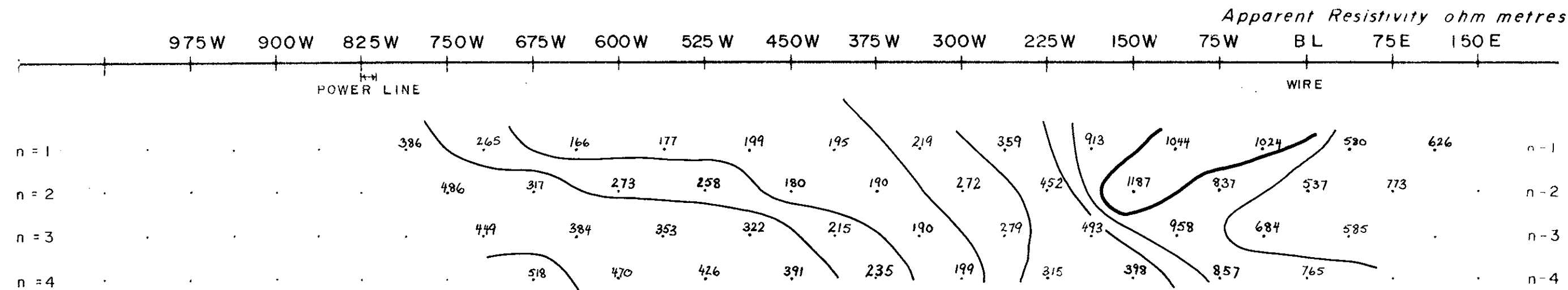
Apparent Resistivity ohm metres

Apparent Chargeability Mv/V



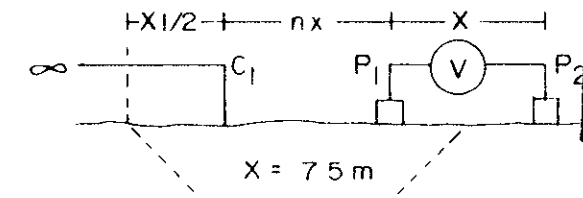
LINE 2100 N

# COMINCO LTD. GROVE PROPERTY SNOWFLAKE CLAIMS NICOLA M.D., B.C.



LINE NO. 2400 N

POLE-DIPOLE  
ELECTRODE CONFIGURATION



MINERAL PROPERTY NO. 7365  
NO.

PLOTTING POINT  
n = 1, 2, 3, 4, 5 & 6

CURRENT ELECTRODE EAST OF POTENTIAL DIPOLE

DEFINITE

PROBABLE

WEAK

DATE SURVEYED \_\_\_\_\_

CONTOUR INTERVALS :

APP. RES. - 1, 1.5, 2, 3, 5, 7.5, 10 ohm metres  
APP. CHARG. - 5.0 Mv/V

APPROVED

DATE \_\_\_\_\_

TRANSMITTER - HUNTEC 7.5 Kw.

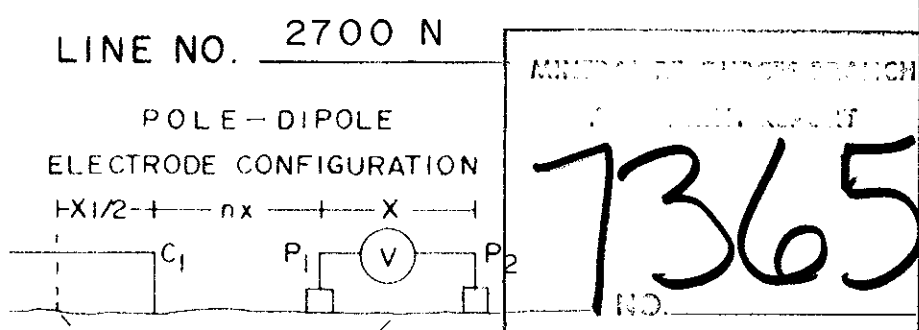
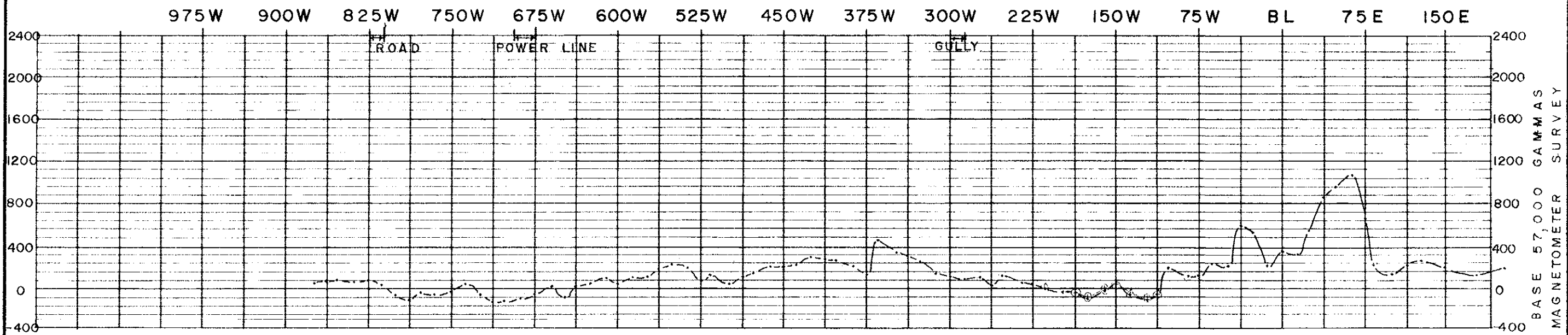
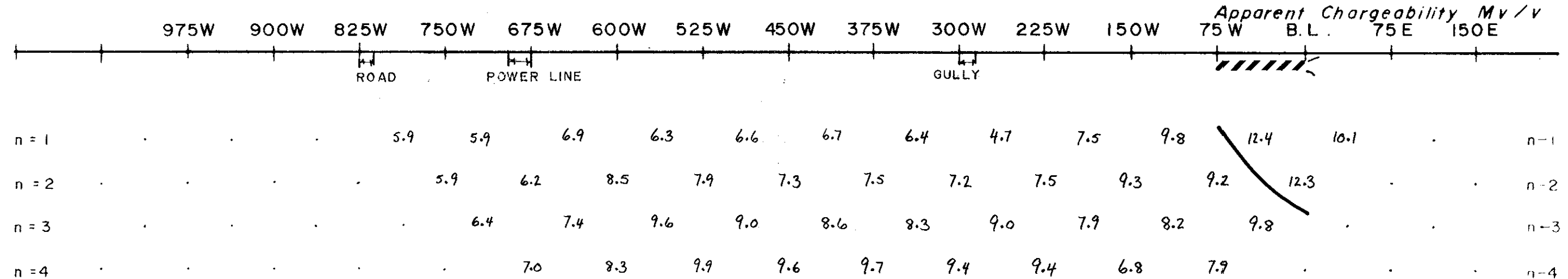
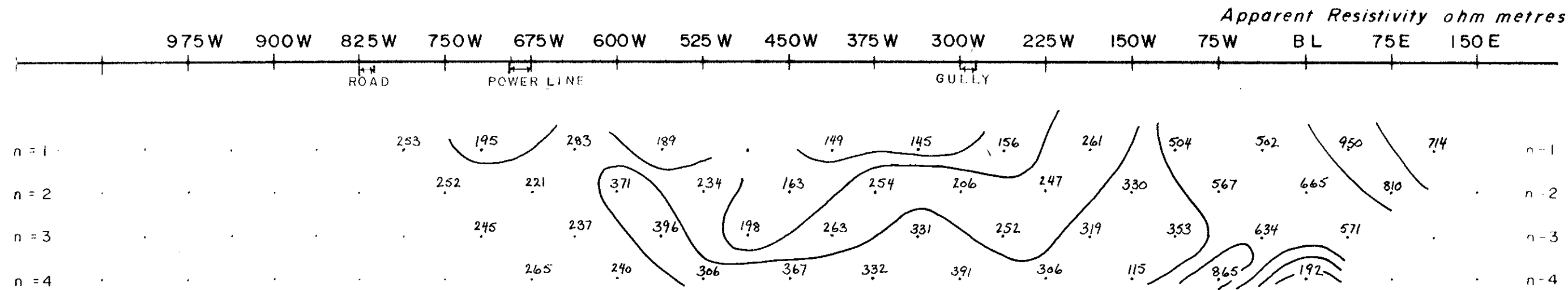
RECEIVER - MK III (Converted to IPR8)

SCINTREX MP II PROTON PRECESSION MAGNETOMETER

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

LINE 2400 N

# COMINCO LTD. GROVE PROPERTY SNOWFLAKE CLAIMS NICOLA M.D., B.C.



PLOTTING POINT  
n = 1, 2, 3, 4, 5 & 6

CURRENT ELECTRODE EAST OF POTENTIAL DIPOLE

DEFINITE

PROBABLE

WEAK

DATE SURVEYED \_\_\_\_\_

APPROVED

DATE \_\_\_\_\_

CONTOUR INTERVALS :  
APP. RES. - 1, 1.5, 2, 3, 5, 7.5, 10 ohm metres  
APP. CHARG. - 5.0 Mv/V

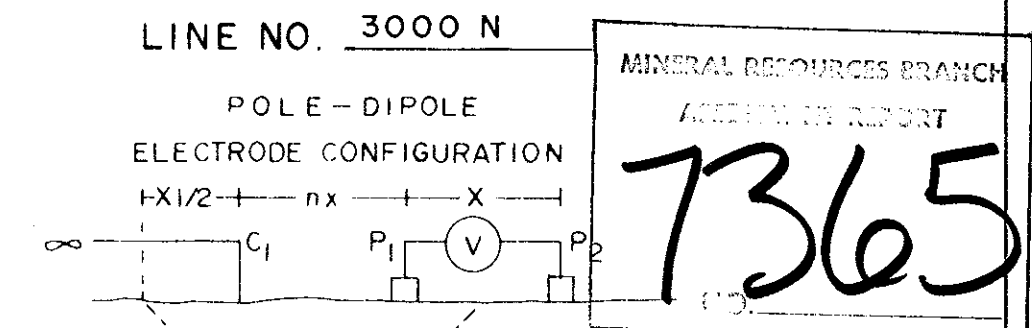
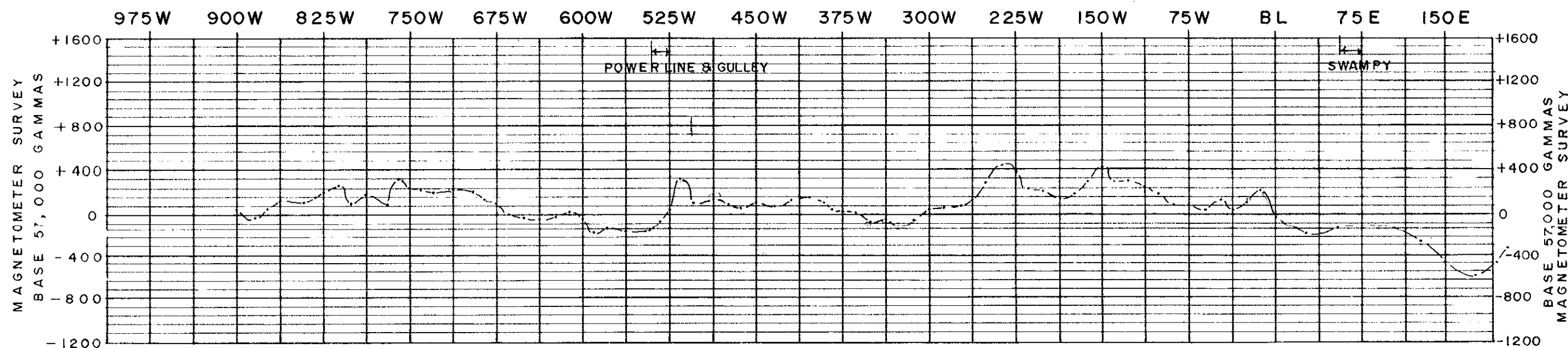
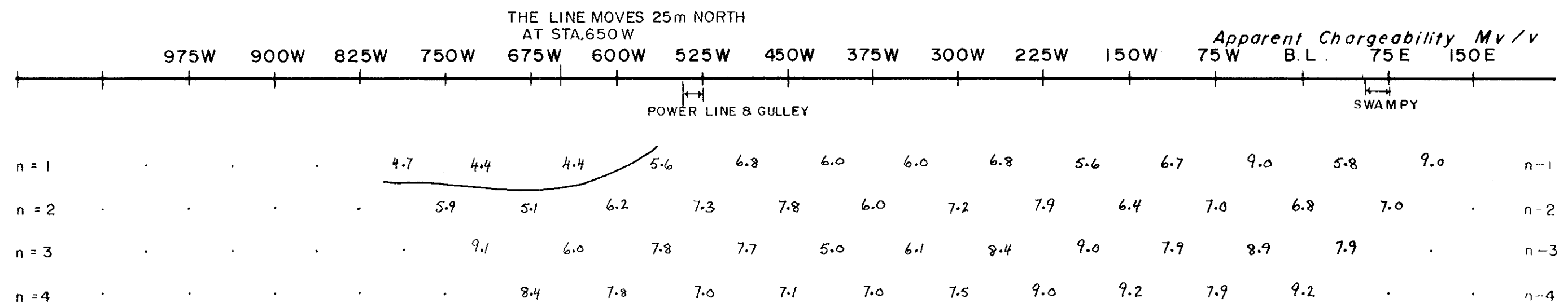
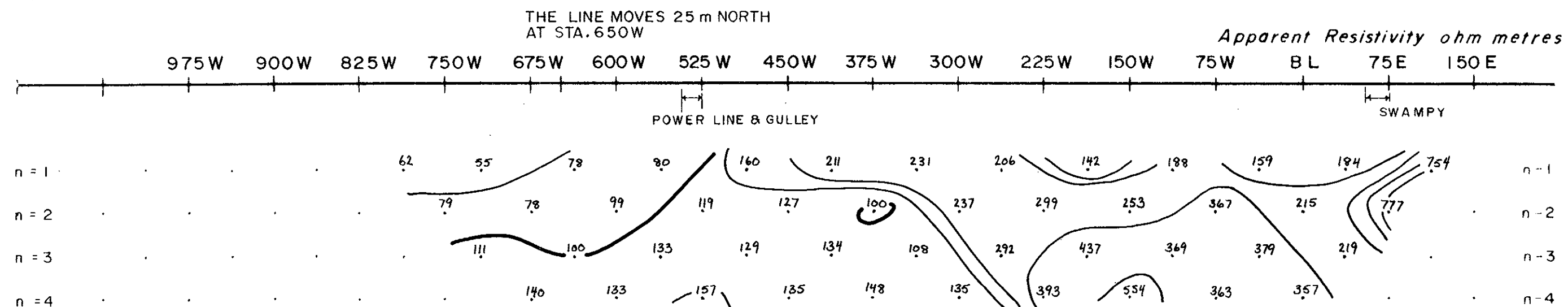
TRANSMITTER -- HUNTEC 7.5 Kw.  
RECEIVER -- MK III (Converted to IPR 8)

SCINTREX MPII PROTON PRECESSION MAGNETOMETER

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

LINE 2700 N

**COMINCO LTD.  
GROVE PROPERTY  
SNOWFLAKE CLAIMS  
NICOLA M. D., B. C.**



DEFINITE   
PROBABLE   
WEAK

DATE SURVEYED MAY 8, 1979

APPROVED

DATE \_\_\_\_\_

CONTOUR INTERVALS:  
APP. RES. - 1, 1.5, 2, 3, 5, 7.5, 10  
APP. CHARG. - 5.0 Mv/V

TRANSMITTER - HUNTEC 7.5 Kw.  
RECEIVER - IPR 8 Mv/V

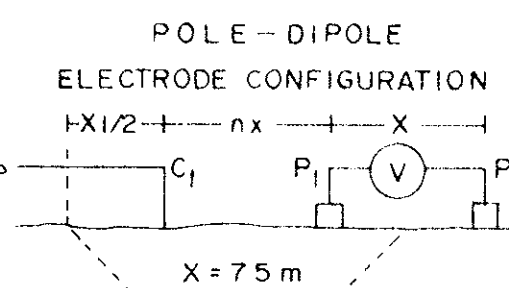
SCINTREX MPII PROTON PRECESSION MAGNETOMETER

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



# COMINCO LTD. GROVE PROPERTY SNOWFLAKE CLAIMS NICOLA M.D., B.C.

LINE NO. 950 E



7365

PLOTTING POINT  
n = 1, 2, 3, 4, 5 & 6

CURRENT ELECTRODE SOUTH OF POTENTIAL DIPOLE

DEFINITE   
 PROBABLE   
 WEAK

SCALE 1: DATE SURVEYED MAY 16, 1979

CONTOUR INTERVALS:

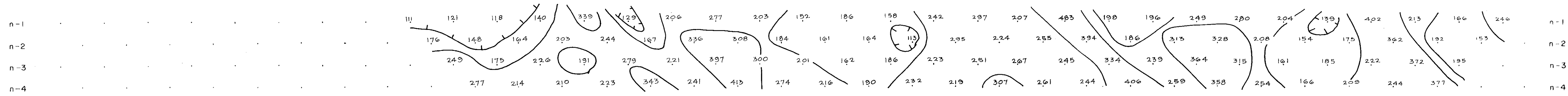
APP. RES. - 1, 1.5, 2, 3, 5, 7.5, 10  
APP. CHARG. - 5.0 Mv/V

APPROVED   
DATE

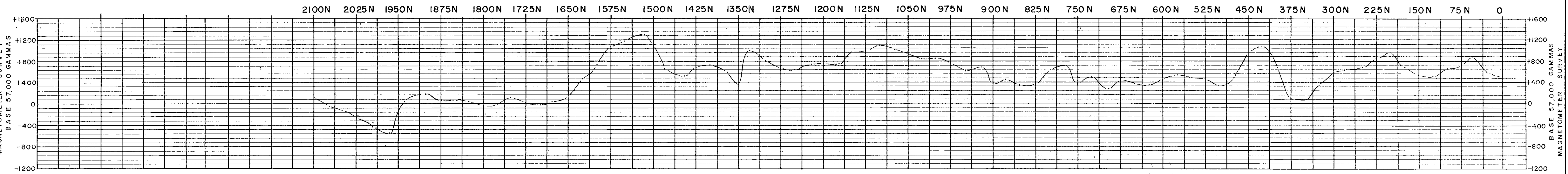
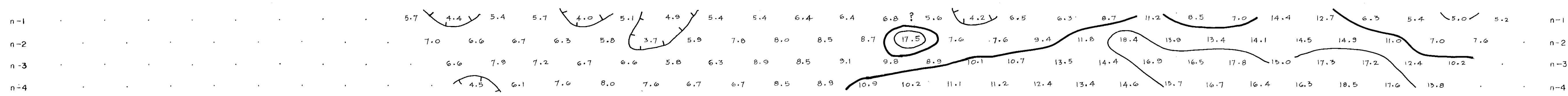
TRANSMITTER - HUNTEC 7.5 kw  
 RECEIVER - MKIII (Converted to IPR8)  
 SCINTREX MP II PROTON PRECESSION MAGNETOMETER

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

2100N 2025N 1950N 1875N 1800N 1725N 1650N 1575N 1500N 1425N 1350N 1275N 1200N 1125N 1050N 975N 900N 825N 750N 675N 600N 525N 450N 375N 300N 225N 150N 75N 0 JOINS 400N

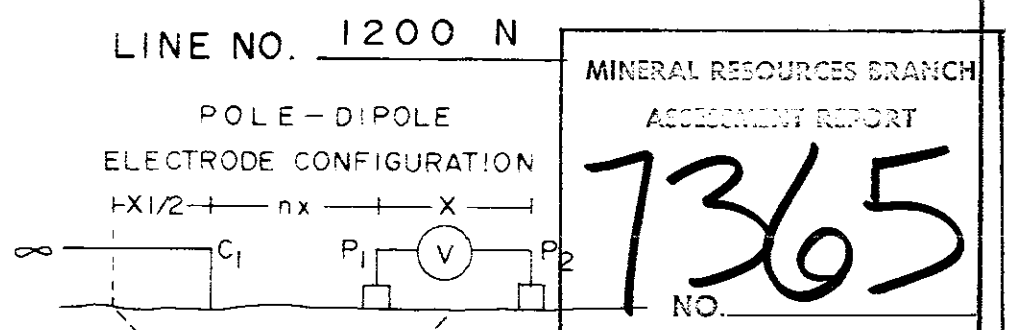


2100N 2025N 1950N 1875N 1800N 1725N 1650N 1575N 1500N 1425N 1350N 1275N 1200N 1125N 1050N 975N 900N 825N 750N 675N 600N 525N 450N 375N 300N 225N 150N 75N 0 JOINS 400N



LINE 950 E

**COMINCO LTD.  
GROVE PROPERTY  
SNOWFLAKE CLAIMS  
NICOLA M.D., B.C.**



CURRENT ELECTRODE EAST OF POTENTIAL DIPOLE

DEFINITE

PROBABLE

WEAK

DATE SURVEYED MAY 13, 1979

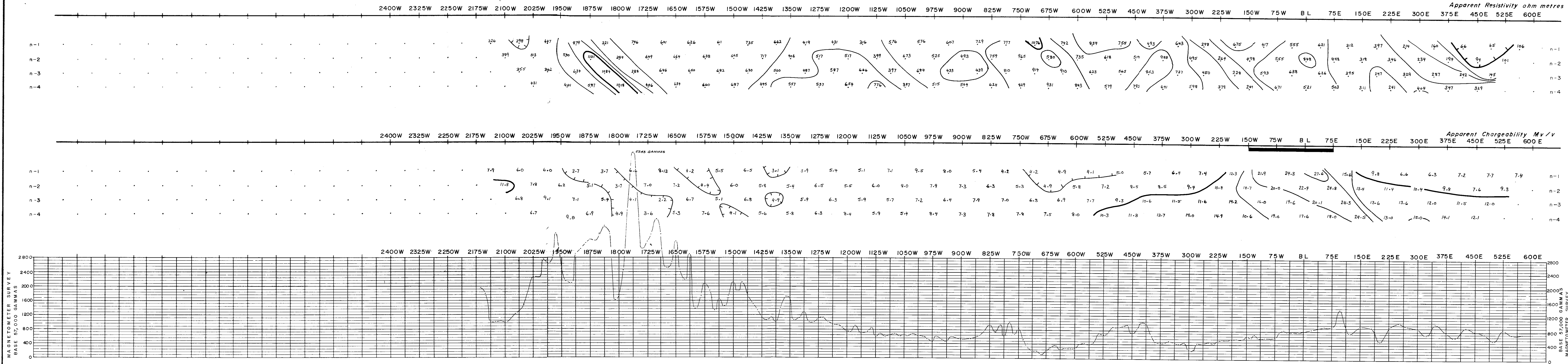
CONTOUR INTERVALS:  
APP. RES. — 1, 1.5, 2, 3, 5, 7.5, 10  
APP. CHARG. — 5.0 Mv/V

APPROVED CS

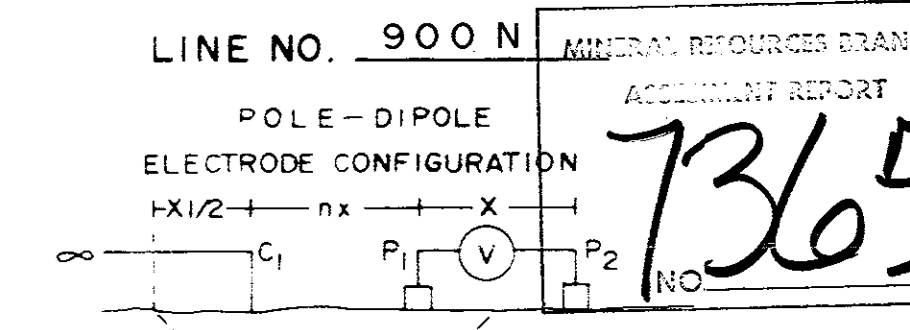
DATE \_\_\_\_\_

TRANSMITTER — HUNTEC 7.5 Kw  
RECEIVER — MK III (Converted to IPR8 Mv/V)  
SCINTREX MPII PROTON PRECESSION MAGNETOMETER

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



**COMINCO LTD.**  
**GROVE PROPERTY**  
**SNOWFLAKE CLAIMS**  
**NICOLA M.D., B.C.**



CURRENT ELECTRODE EAST OF POTENTIAL DIPOLE

DEFINITE

POSSIBLE

WEAK

DATE SURVEYED \_\_\_\_\_

CONTOUR INTERVALS: \_\_\_\_\_

APP. RES. — 1, 1.5, 2, 3, 5, 7.5, 10 ohm metres APPROVED

APP. CHARG. — 5.0 Mv/V

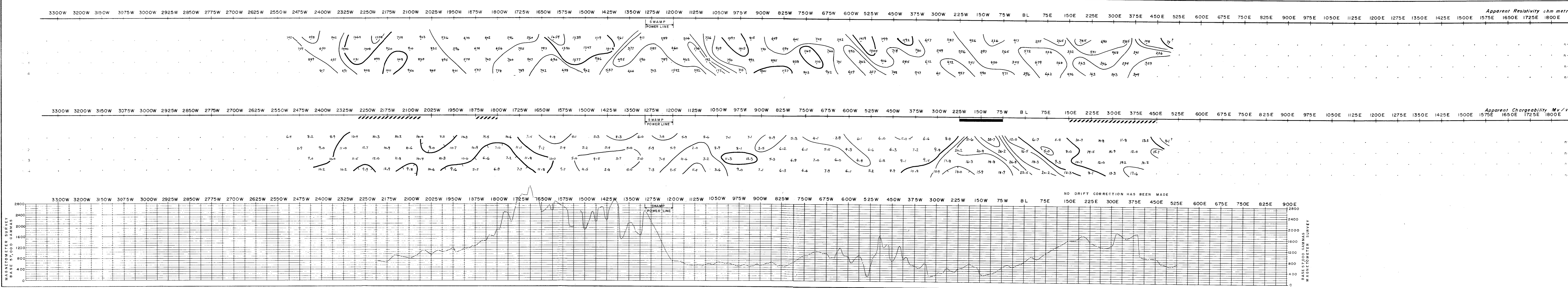
DATE \_\_\_\_\_

TRANSMITTER — HUNTEC 7.5 Kw

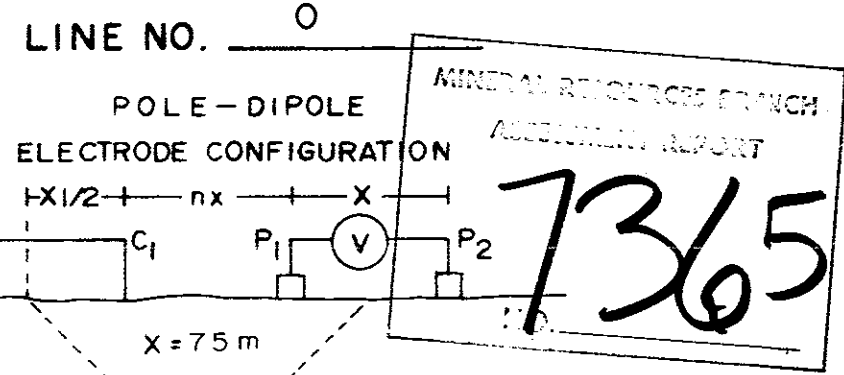
RECEIVER — MK III (Converted to IPR8 Mv/V) sta 525E to sta 1200W  
 AND IPR8 Mv/V sta 1275W to sta 2475W

SCINTREX MPII PROTON PRECESSION MAGNETOMETER

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



**COMINCO LTD.**  
**GROVE PROPERTY**  
**SNOWFLAKE CLAIMS**  
**NICOLA M.D., B.C.**



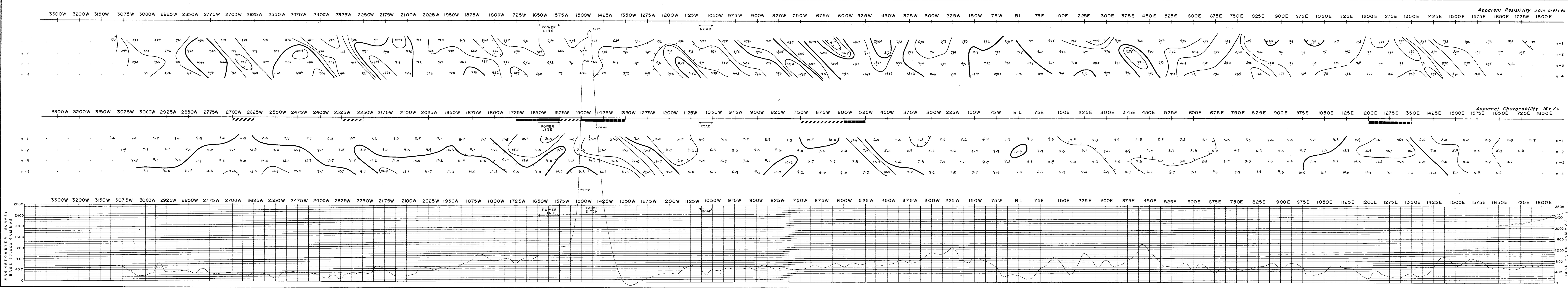
LINE NO. 0  
 POLE-DIPOLE ELECTRODE CONFIGURATION  
 CURRENT ELECTRODE EAST OF POTENTIAL DIPOLE  
 DEFINITE   
 PROBABLE   
 WEAK

DATE SURVEYED \_\_\_\_\_  
 APPROVED   
 DATE \_\_\_\_\_

CONTOUR INTERVALS:  
 APP. RES. - 1, 1.5, 2, 3, 5, 7.5, 10 ohm metres  
 APP. CHARG. - 5.0 Mv/V

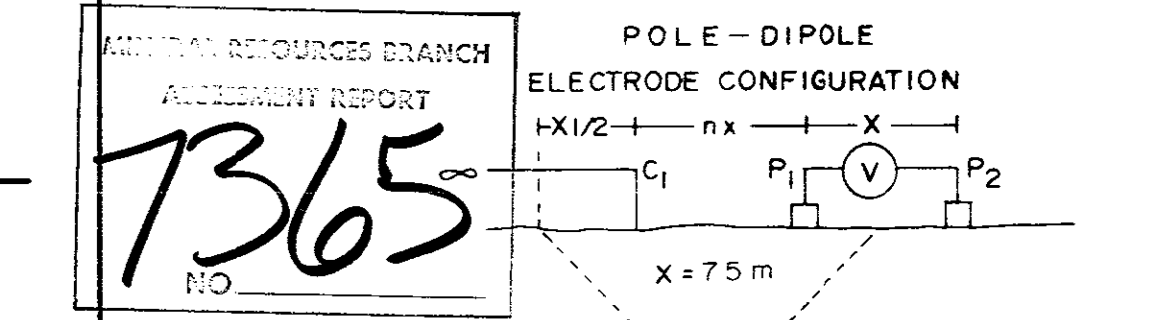
TRANSMITTER - HUNTEC 7.5 Kw  
 RECEIVER - MK III (Converted to IPRB Mv/V) Sta. 1800E to Sta. 825W  
 AND IPRB (Mv/V) Sta. 825W to Sta. 3075W  
 SCINTREX MPI PROTON PRECESSION MAGNETOMETER

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



**COMINCO LTD.**  
**GROVE PROPERTY**  
**SNOWFLAKE CLAIMS**  
**NICOLA M.D., B.C.**

LINE NO. 400 N



CURRENT ELECTRODE EAST OF POTENTIAL DIPOLE

DEFINITE

PROBABLE

WEAK

DATE SURVEYED \_\_\_\_\_

CONTOUR INTERVALS:  
 APP RES - 1, 1.5, 2, 3, 5, 7.5, 10 ohm metres  
 APP CHARG - 5.0 Mv/V

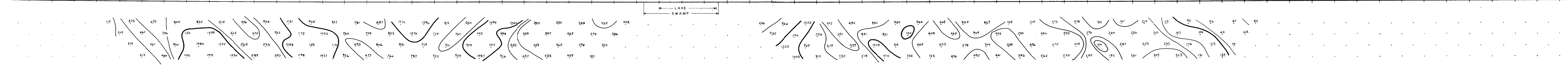
APPROVED

DATE \_\_\_\_\_

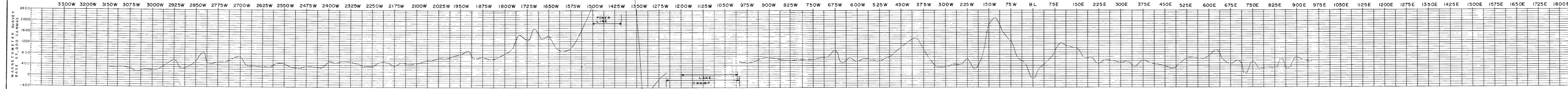
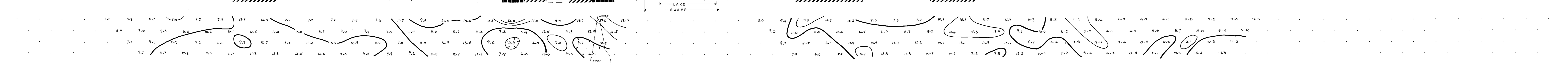
TRANSMITTER - HUNTEC 7.5 Kw  
 RECEIVER - MK III (Converted to IPR8 Mv/V) sta 825W to sta 850W  
 AND IPR8 Mv/V) sta 1275W to sta 3000W  
 SCINTREX MPII PROTON PRECESSION MAGNETOMETER

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

3300W 3200W 3150W 3075W 3000W 2925W 2850W 2775W 2700W 2625W 2550W 2475W 2400W 2325W 2250W 2175W 2100W 2025W 1950W 1875W 1800W 1725W 1650W 1575W 1500W 1425W 1350W 1275W 1200W 1125W 1050W 975W 900W 825W 750W 675W 600W 525W 450W 375W 300W 225W 150W 75W BL 75E 150E 225E 300E 375E 450E 525E 600E 675E 750E 825E 900E 975E 1050E 1125E 1200E 1275E 1350E 1425E 1500E 1575E 1650E 1725E 1800E



3300W 3200W 3150W 3075W 3000W 2925W 2850W 2775W 2700W 2625W 2550W 2475W 2400W 2325W 2250W 2175W 2100W 2025W 1950W 1875W 1800W 1725W 1650W 1575W 1500W 1425W 1350W 1275W 1200W 1125W 1050W 975W 900W 825W 750W 675W 600W 525W 450W 375W 300W 225W 150W 75W BL 75E 150E 225E 300E 375E 450E 525E 600E 675E 750E 825E 900E 975E 1050E 1125E 1200E 1275E 1350E 1425E 1500E 1575E 1650E 1725E 1800E

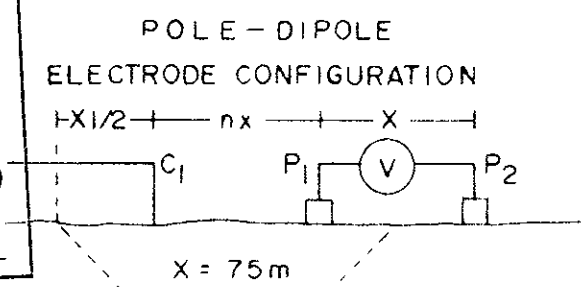


LINE 400 N

# COMINCO LTD. GROVE PROPERTY SNOWFLAKE CLAIMS NICOLA M.D., B.C.

LINE NO. 500 S

MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
**7365**  
NO.



POLE-DIPOLE  
ELECTRODE CONFIGURATION  
PLOTting POINT  
n = 1, 2, 3, 4  
CURRENT ELECTRODE EAST OF POTENTIAL DIPOLE

DEFINITE   
PROBABLE   
WEAK

DATE SURVEYED MAY 16, 1979

CONTOUR INTERVALS:

APP. RES. - 1, 1.5, 2, 3, 5, 7.5, 10 ohm m  
APP. CHARG. - 5.0 Mv/M

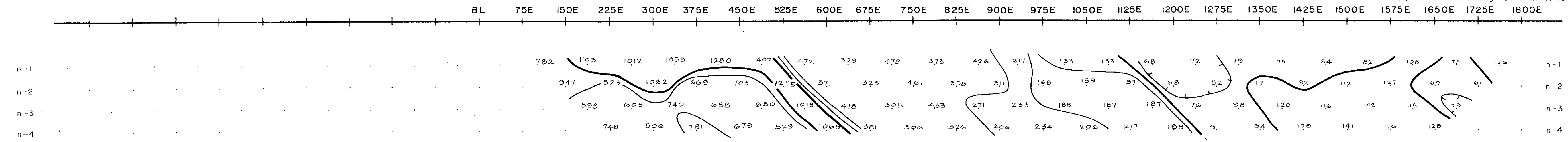
APPROVED

DATE

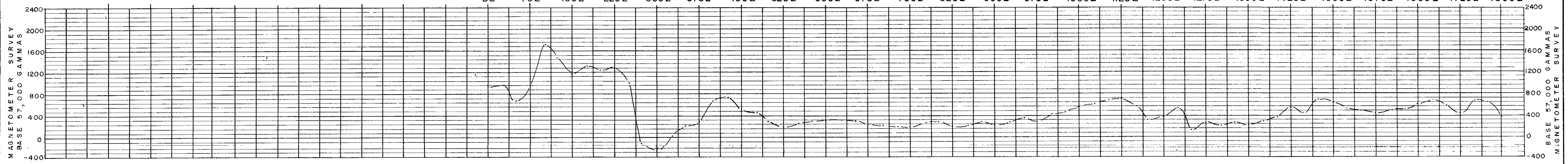
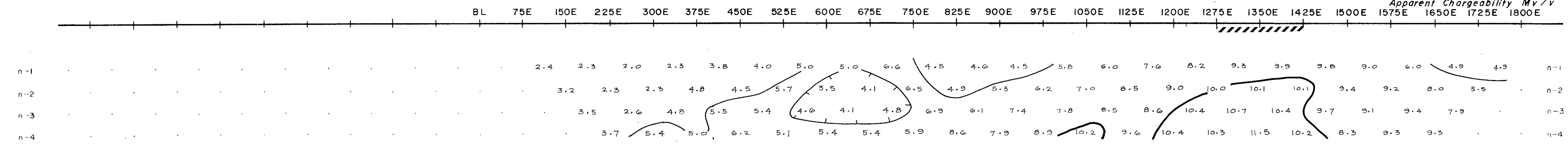
TRANSMITTER - HUNTEC 7.5kw  
RECEIVER - IPR 8  
SCINTREX MPII PROTON PRESSION MAGNETOMETER

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

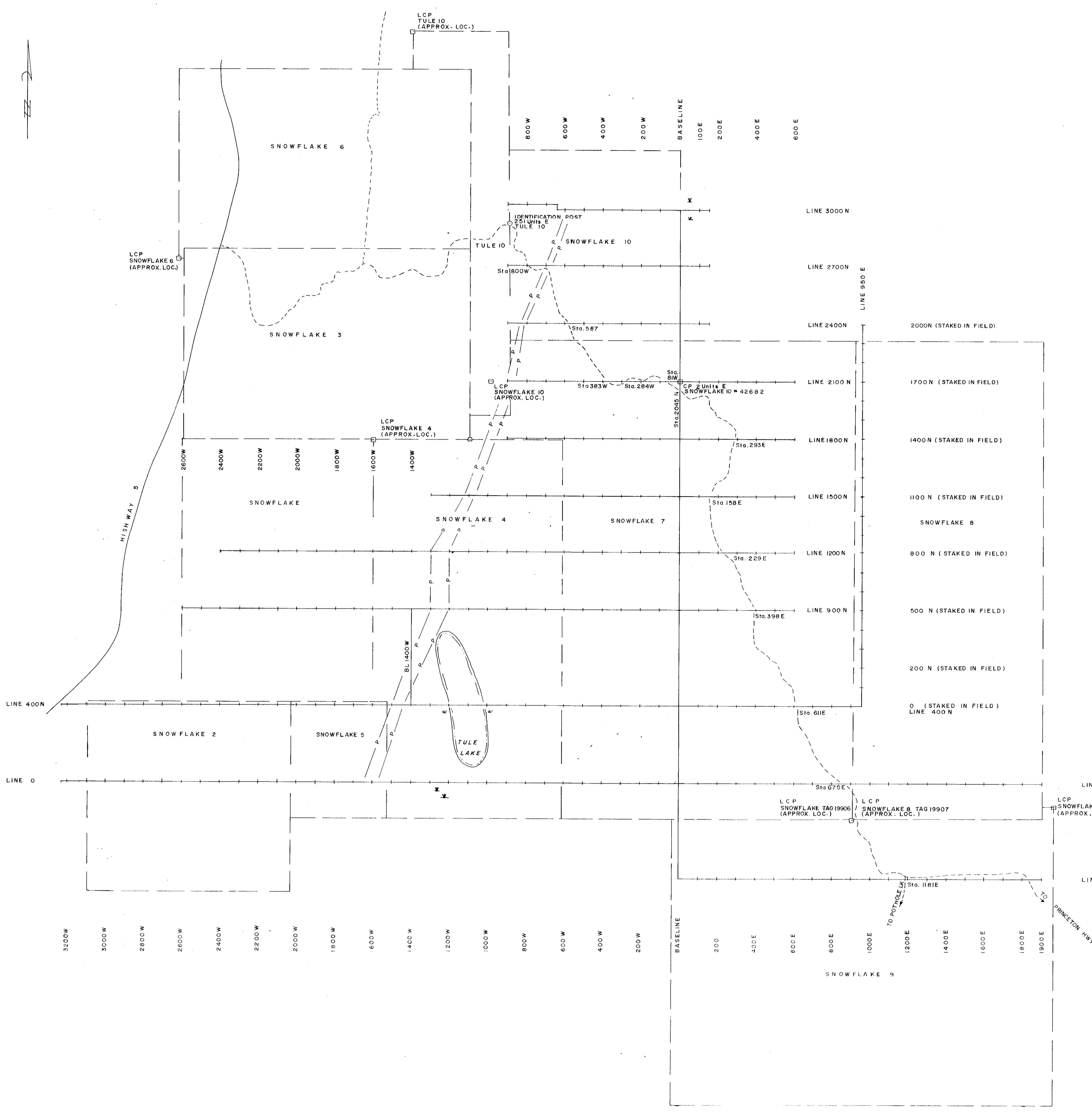
Apparent Resistivity ohm metres



Apparent Chargeability Mv/v

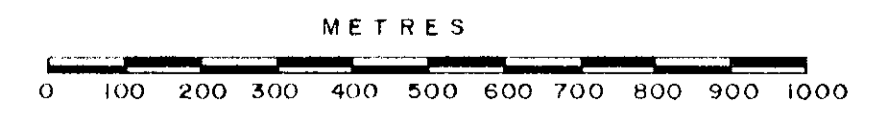


LINE 500 S



- P-P POWER LINE (APPROXIMATE LOCATION)
  - SWAMP
  - ROAD
  - HIGHWAY (APPROXIMATE LOCATION)
  - RIVER
  - LEGAL CLAIM POST (APPROX. LOC.)
  - CLAIM POST (APPROX. LOC.)
  - IDENTIFICATION POST (APPROX. LOC.)
  - CLAIM BOUNDARY (APPROX. LOC.)
  - 1979 GEOPHYSICS GROUND GRID
- LINE 950 E : 0 AND 400 N ARE THE SAME STATION  
0 TO 2000 N ARE AS STAKED IN THE FIELD  
LINES 900 N, 1200 N, 1500 N, 1800 N END AT QUILCHENA CREEK

MINERAL RESOURCES BRANCH  
ASSOCIATION REPORT  
**7365**  
NO.



GROVE PROPERTY		92 H 15 E
SNOWFLAKE CLAIMS CLAIM MAP AND GRID MAP NICOLA M.D., B.C.		
Drawn by:	Traced by:	Scale: 1 : 1000
Date:	Date: JUNE 1979	Plate: 150-79-2