

COMINCO LTD.

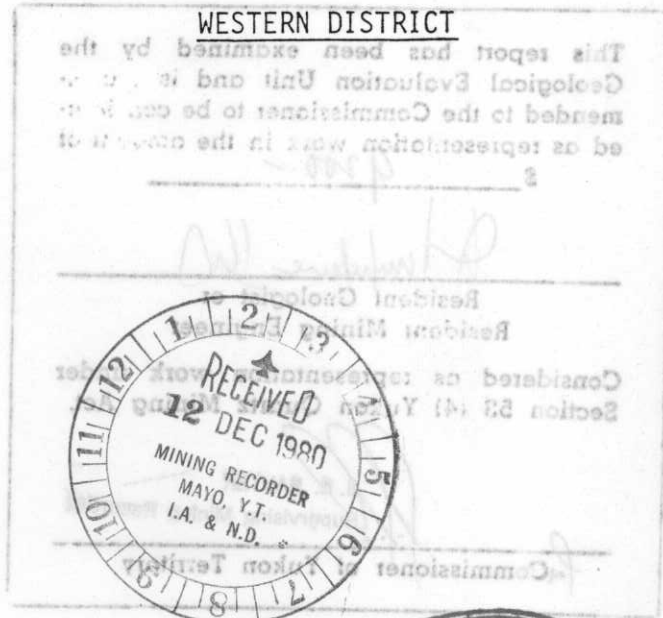
EXPLORATION

NTS: 115P 14

GEOPHYSICAL SURVEY

ON THE

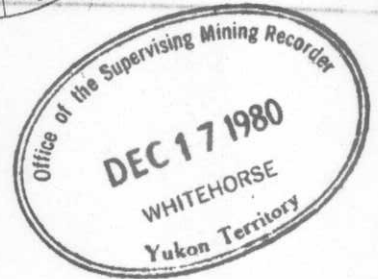
N E L G R O U P



Clear Creek Area, Mayo M.D., Yukon

LATITUDE: 63°49'

LONGITUDE: 137°10'



Work Performed: Aug. 11-30, 1980

Claims Covered:

NEL 18-22, 34-36

STERLING 1,2,5,9,10

28 NOVEMBER 1980

090720

INGO JACKISCH

COMINCO LTD.

EXPLORATION

NTS: 1:50,000

This report has been examined by the Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work in the amount of \$ 9200.-

[Signature]

Resident Geologist or
Resident Mining Engineer

Considered as representation work under Section 53 (4) Yukon Quartz Mining Act.

[Signature]

E. R. BAXTER
Supervising Mining Recorder

Commissioner of Yukon Territory

GEOLOGICAL SURVEY

ON THE

NEL GROUP



Clear Creek Area, Mayo M.D., Yukon

LATITUDE: 63° 49'

LONGITUDE: 137° 10'

Work Performed: Aug. 11-30, 1980

Claims Covered:

NEL 18-22, 24-26

STERLING 1, 2, 3, 9, 10

090720

INGO JACKISCH

28 NOVEMBER 1980

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APPENDIX I - Certification

ATTACHMENTS

Plate 187-80-1	Location Map
Plate 187-80-2	Claim and Grid Map
Plate 187-80-3	Plan of chargeability at n=1
Plate 187-80-4	Plan of resistivity at n=1
Plate 187-80-5 to 22	Pseudo sections of resistivity and chargeability from lines 10,000N to 11,700N

* * * * *

COMINCO LTD.

EXPLORATION
NTS: 115P

WESTERN DISTRICT
28 November 1980

GEOPHYSICAL SURVEY

ON THE
NEL GROUP

INTRODUCTION

A five man Cominco geophysical crew completed an 18.9 km induced polarization survey on the Nel Group from Aug. 11-29.

The exploration objective was to use I.P. to define possible sources of geochemical Sn anomalies. The cassiterite mineralization is believed to be associated with pyritized quartz plugs and dykes, which should respond to the IP method.

This report describes the procedure and results of the I.P. survey completed on the Nel Group.

LOCATION AND ACCESS

The Nel Group is located approximately 35 kms northeast of McQuesten, Yukon, and is within 12 km of a road. The closest point of this road to the property can be reached by turning east off the Klondike highway 30 kms up the road from McQuesten (heading towards Dawson City). This turnoff by Barlow Lake runs through a department of highways gravel pit. Approximately 20 kms from the highway the winding single lane dirt road reaches Clear Creek, where the left fork of the road heading up the stream must be taken. After another 5 kms and numerous creek crossings one reaches the beginning of a long uphill ascent, just past Nel's Placer Claim. A large clearing at the bottom of this hill is the closest point of the road to the Nel Group. A helicopter from Mayo or Dawson City is then required for the last 12 kms.

GEOPHYSICAL SURVEYS

Induced Polarization (I.P.)

A Huntec Mark III receiver was used in conjunction with a Phoenix IPT1 2.5 kw transmitter and generator. Resistivity and chargeability readings were taken for 4 separations (ie. n=1,2,3 and 4) which are presented in

pseudo-section form on plates 187-80-5 through 187-80-22. The anomalies on these plates have been classified as follows:

Chargeability -

40-60 msec. on n=1,2	moderate	■■■■■■■■
>60 msec. on n=1,2	strong	■■■■■■■■
>40 msec. on n=3,4		—— ———

Resistivity -

<500 Ω meters at n=1,2		—— ———
-------------------------------	--	--------

The lines were surveyed 100 metres apart at a station interval of 50 meters. Chargeability and resistivity values for n=1 are presented in plan form on plates 187-80-3 and 187-80-4. Anomalies indicated in pseudo-section are also included in the chargeability plan to incorporate anomalies at depth with what is plotted for n=1.

Mention should also be made to the problem of transmitting good, steady currents, especially in the areas above tree line where abundant talus and scree occurred. Tin foil electrodes and plenty of salt water were used for current stakes, in trying to improve on currents which were sometimes below 0.1 amps.

Description of Results

Three anomalies stand out which have high chargeabilities coincident with low resistivity. They have been labelled A,B, & C on plates 187-80-3 and 4.

Anomaly A rises quickly from background to a plateau having considerable width, extending almost the full length of the last few southern lines. High chargeabilities of about 2 to 3 times background are maintained in conjunction with low resistivities. Chargeabilities vary within this anomaly to give four distinctive peaks more or less symmetrically bisected by the creek. The resistivity low, on the other hand, is limited to the area on the east side of the creek. This zone remains open to the south.

Anomaly B, to the north, is very narrow and strikes sub-parallel to line 11,500N. The chargeabilities form a very sharp, strong high at the baseline, where the resistivities also take a sharp dip with respect to their surroundings. Significantly higher resistivities to the north of this anomaly point to the possibility of a change in lithology. This zone remains open to the east and west.

Anomaly C, centered on line 11,300N, station 4800E, is associated with disseminated pyrite found nearby. The chargeability high is not quite as large as the previous 2 anomalies discussed, but it is still greater than double the background values. The resistivity over this small, sharp anomaly is also very low.

Two eastern extensions were surveyed on lines 11,100N and 11,200N, where a previous McPhar I.P. survey had spotted metal factor anomalies. The present survey encountered an area of lower resistivity (which could account for a metal factor anomaly), but no coincident chargeability high.

CONCLUSIONS

The I.P. survey has discovered 3 anomalous zones having chargeabilities considerably higher than background. They are associated with low resistivity. Anomaly A to the south has a wide, plateau-like chargeability high. Anomaly B to the north is a long, narrow zone which is close to and possibly associated with anomaly C centered on line 11,300N, station 4800E.

Respectfully submitted by: Ingo Jackisch
Ingo Jackisch
Geophysicist

Alan Scott
Alan Scott
Geophysicist

Approved for release by: _____
G. Harden
Manager,
Western District

IJ/ARS/skg

Distribution

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

C A N A D A
YUKON TERRITORY
TO WIT:

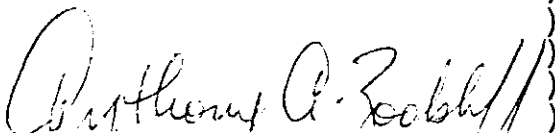
STATUTORY DECLARATION

I, ROBIN LAWSON WOODS, of the District of North Vancouver, in the Province of British Columbia, DO SOLEMNLY DECLARE THAT:

1. I am the Supervisor, Exploration and Foreign Accounting for Cominco Ltd., 2300 - 200 Granville Street, Vancouver, British Columbia, and, as such have knowledge of the facts deposed to herein.
2. Attached to this Statutory Declaration, as Schedule A, is a statement of expenditures indicating the expenditures charged by Cominco Ltd. to the Nel Group account for the period January 1, 1980 to September 30, 1980.
3. The statement of expenditures referred to in paragraph 2 is true and accurate to the best of my knowledge, information and belief.
4. This Statutory Declaration is made in support of an application for a Certificate of Work pursuant to the Yukon Quartz Mining Act.

AND I make this solemn declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath and by virtue of the Canada Evidence Act.

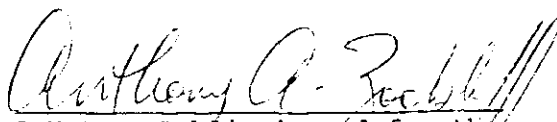
DECLARED before me at the City)
of Vancouver in the Province)
of British Columbia, this 9th)
day of October 1980)


A Notary Public in and for the
Province of British Columbia



Robin Lawson Woods

This is Schedule A referred to
in the Statutory Declaration
of ROBIN LAWSON WOODS
declared before me this 9th day
of *October* 1980


A Notary Public in and for the
Province of British Columbia

STATEMENT OF EXPENDITURES

NEL GROUP

MAYO M.D., YUKON

JANUARY 1, 1980 TO SEPTEMBER 30, 1980

Geology	\$19,415
Geophysics	14,116
Transportation including mobilization	2,591
Camp costs	6,640
Tenure	136
Cash in lieu of work	1,050
Administrative services	4,395
	<hr/>
	\$48,343
	<hr/> <hr/>

Cominco Ltd.
Vancouver Office
October 8, 1980

Copies: Mining Recorder (2)
Manager, Administration Exploration
File (2)



Robin Lawson Woods
Supervisor, Exploration
& Foreign Accounting

APPENDIX 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 VANCOUVER, IN THE PROVINCE OF BRITISH COLUMBIA, DO HEREBY CERTIFY:

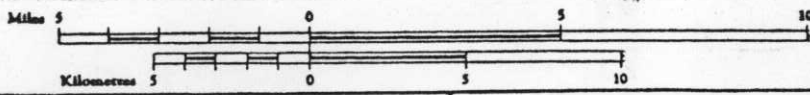
- (1) THAT I graduated from the University of British Columbia in 1975 with a B.Sc in geophysics;
- (2) THAT I am registered with the Association of Professional Engineers of British Columbia as an engineering pupil, and am a member of the British Columbia Geophysical Society;
- (3) THAT I have been practising my profession for the past nine years.

Signed: Ingo Jackisch
Ingo Jackisch
Geophysicist

28 November 1980



Scale 1:250,000



NEL GROUP



NTS
115 P

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

LOCATION MAP
MAYO M.D., YUKON

Scale: 1 : 250, 000 Date: NOV., 1980 Plate: 187-80-1



Exploration

Indian and Northern Affairs
P.O. Box 10
Mayo, Y.T.

Attention: R.G. Ronaghan
Mining Recorder
Mayo Mining District



22 January 1981

Dear Sir:

Re: Assessment Report
Geophysical - NEL Claims
115 P-14

I have enclosed a claim map of the NEL Claim as requested in your letter of January 8th, 1981. Attached is a list of the names and tag numbers for both the NEL and STERLING Claims. The NEL Claim is 100% Cominco owned; the STERLING Claim is owned by Silver Standard. I trust this information will be sufficient to adequately locate the claims and geophysical grid.

Also included is a breakdown of costs for crew salaries, expenses and rental of geophysical equipment. This adds up to the amount indicated in the assessment report as follows:

General Roll	\$ 966	(Salary for C. Frechette
Expense Accounts	1,837	for 2½ weeks)
Internal	<u>11,313</u>	
	\$14,116	

The names and addresses of the survey personnel are: Ingo Jackisch, 424 Somerset Street, North Vancouver; Glenn Nolan, 5411 Larch Street, Vancouver; Gail Wetmore, 202 - 6566 Marlborough Avenue, Burnaby; Brian Price, 2536 W. 7th Avenue, Vancouver; and Carrie Frechette, Winnipeg, Manitoba. I.J. and G.N. are on permanent staff, G.W. and B.P. were hired for the duration of the summer and C.F. was hired in Dawson City to help on the NEL survey only.

Any questions relating to geology should be covered by the geological report submitted to the Mayo M.D. office by Sandy Denton, Cominco Geologist stationed in Whitehorse and responsible for the NEL Claim.

Should you have any further queries about the I.P. survey, please feel free to contact Alan Scott or Ingo Jackisch at the above address (telephone no. - 604-682-0611).

Yours truly,

A handwritten signature in cursive script that reads "Ingo Jackisch".

Ingo Jackisch
Geophysicist
Western District

IJ:vmk

NEL CLAIM

Statement of Expenditures

(Induced Polarization Survey)

1. Salaries

J. Jackisch, Geophysicist, August 11-30 20 days @ \$125.00	\$2,500.00	
G. Nolan, Technician, August 11-30 20 days @ \$105.00	2,100.00	
G. Wetmore, Helper, August 11-30 20 days @ \$83.00	1,660.00	
B. Price, Helper, August 11-30 20 days @ \$83.00	1,660.00	
C. Frechette, Helper, August 11-30 Paid by general roll @ \$48.30/day	966.00	
	<hr/>	<hr/>
		\$ 8,886

2. Equipment Rentals

2.5 KW I.P. survey system 1,117.50

3. Operating Charges (towards drafting, report, supervision)

13 days I.P. survey @ \$175/survey day	2,275.00	
3 days standby, 4 days travel	<hr/> n/a	
		<hr/>
		\$2,275

4. Miscellaneous Expenses

food, lodging, gas, consumables

\$1,837.00

Total Expenditures

\$14,115.50

Cominco Interest = 100%

On the West Fork of Fortymile Cr., \pm 7mi. WSW of Cominco's "SUNSHINE CREEK GROUP", Mayo M.D., Y.T..

Property:- 23 Claims

Claims

Recorded

Assessment
Work Due

NEL Nos. 1-23

Sept. 18, 1978

Dec. 18, 1983 87

*filed work
Dec 8/83
J. Heller*

Silver Standard

		<i>Grant Nos.</i>
<i>Sterling</i>	2	Y56 123
	10	Y56 121
	3	Y56 124
	1	Y56 122
	9	Y56 120
	11	Y56 130
	6	Y56 127
	5	Y56 126
	14	Y56 133
	13	Y56 132

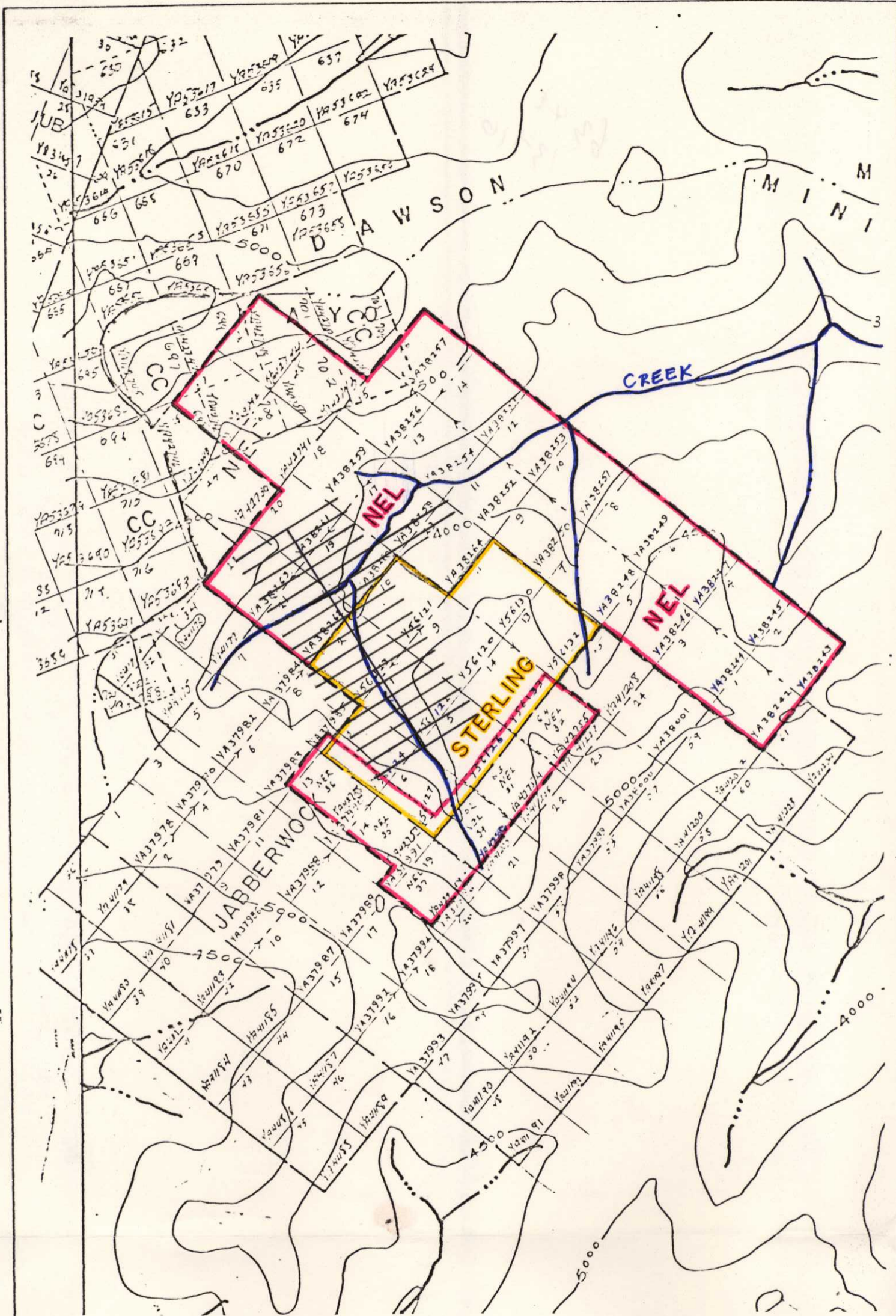
COMINCO LTD.EXPLORATIONWESTERN DISTRICT

NTS: 115P/15

1 November 1978

NEL GROUP

<u>CLAIMS</u>	<u>GRANT NOS.</u>	<u>DATE LOCATED</u>	<u>DATE RECORDED</u>	<u>DUE DATE</u>	<u>REMARKS</u>
NEL No. 1	YA38242	Sept. 7/78	Sept.18/78	Sept.18/79	
NEL No. 2	YA38243	Sept. 7/78	Sept.18/78	Sept.18/79	
NEL No. 3	YA38244	Sept. 7/78	Sept.18/78	Sept.18/79	
NEL No. 4	YA38245	Sept. 7/78	Sept.18/78	Sept.18/79	
NEL No. 5	YA38246	Sept. 7/78	Sept.18/78	Sept.18/79	
NEL No. 6	YA38247	Sept. 7/78	Sept.18/78	Sept.18/79	
NEL No. 7	YA38248	Sept. 7/78	Sept.18/78	Sept.18/79	
NEL No. 8	YA38249	Sept. 7/78	Sept.18/78	Sept.18/79	
NEL No. 9	YA38250	Sept. 7/78	Sept.18/78	Sept.18/79	
NEL No.10	YA38251	Sept. 7/78	Sept.18/78	Sept.18/79	
NEL No.11	YA38252	Sept. 7/78	Sept.18/78	Sept.18/79	
NEL No.12	YA38253	Sept. 7/78	Sept.18/78	Sept.18/79	
NEL No.13	YA38254	Sept. 7/78	Sept.18/78	Sept.18/79	
NEL No.14	YA38255	Sept. 7/78	Sept.18/78	Sept.18/79	
NEL No.15	YA38256	Sept. 7/78	Sept.18/78	Sept.18/79	
NEL No.16	YA38257	Sept. 7/78	Sept.18/78	Sept.18/79	
NEL No.17	YA38258	Sept. 7/78	Sept.18/78	Sept.18/79	
NEL No.18	YA38259	Sept. 7/78	Sept.18/78	Sept.18/79	
NEL No.19	YA38260	Sept. 7/78	Sept.18/78	Sept.18/79	
NEL No.20	YA38261	Sept. 7/78	Sept.18/78	Sept.18/79	
NEL No.21	YA38262	Sept. 7/78	Sept.18/78	Sept.18/79	
NEL No.22	YA38263	Sept. 7/78	Sept.18/78	Sept.18/79	
NEL No.23	YA38264	Sept. 7/78	Sept.18/78	Sept.18/79	
26	YA2741				
27	YA2742				
28	YA2743				
29	YA2744				
31	YA2754				
32	YA2755				
34	YA2756				
35	YA2757				
36	YA2758				
37	YA2759				



0 1000
METRES



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

NEL PROPERTY

MAYO M.D., Y.T.

NTS 115P/15

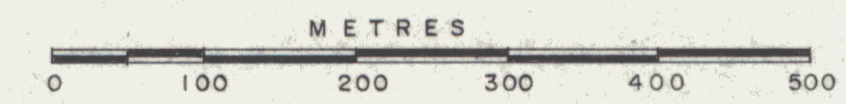
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Date: 10 DEC 80

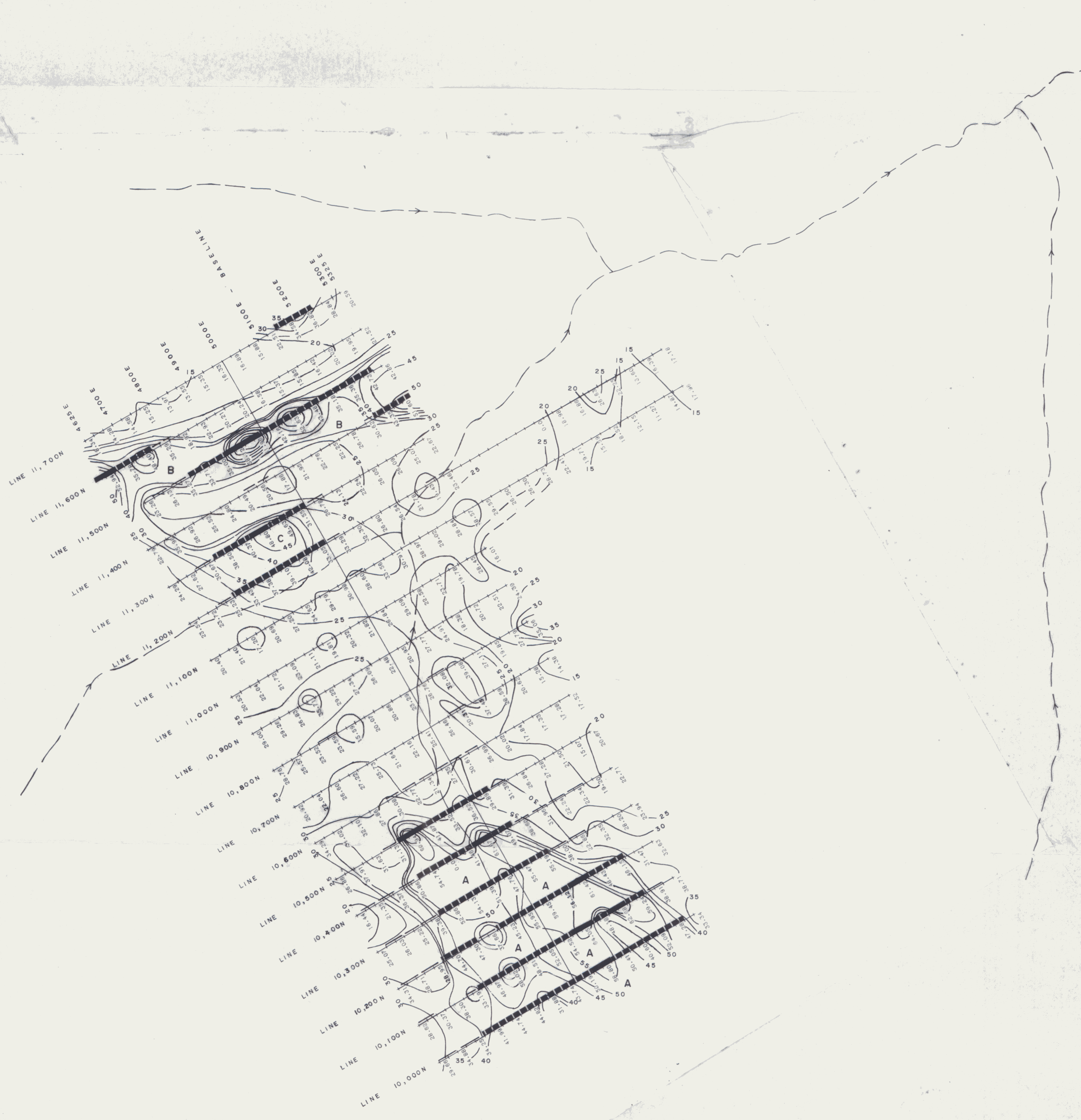
Plate: 80-2




+ + + + 1980 GEOPHYSICS GROUND GRID
 ——— CREEK
 - - - - CLAIM BOUNDARY (APPROXIMATE LOCATION)



NEL GROUP <i>Ingo Jackisch</i>				 NTS 115 P 15
Drawn by:	Traced by:			
Revised by:	Date:	Revised by:	Date:	CLAIM MAP MAYO M.D., YUKON
Scale: 1 : 5000			Date: NOV., 1980	Plate: 187-60-2

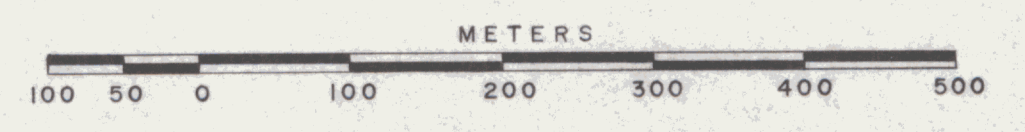


1980 GEOPHYSICS GROUND GRID
 CREEK
 INSTRUMENT: PHOENIX IPTI TRANSMITTER
 HUNTEC MK III RECEIVER NO. 3073
 CONTOUR INTERVAL - 5 MILLISECONDS
 STRONG CHARGEABILITY HIGH
 MODERATE CHARGEABILITY HIGH
 CHARGEABILITY HIGH AT DEPTH
 (i.e. n = 3, 4)

NEL GROUP *Loge Jackson*  NTS 115-P-15
 Drawn by: _____ Traced by: _____
 Revised by: _____ Date: _____ Revised by: _____ Date: _____
 INDUCED POLARIZATION
 CHARGEABILITY: N=1 (Milliseconds)
 MAYO M.D., YUKON
 Scale: 1:5000 Date: NOVEMBER, 1980 Plate: 187-80-3
 FORM 210-0688



———— 1980 GEOPHYSICS GROUND GRID
 - - - - - CREEK
 INSTRUMENT : PHOENIX IPTI TRANSMITTER
 HUNTEC MK III RECEIVER NO. 3073
 CONTOUR INTERVAL 1, 1.5, 2, 3, 5, 7.5, 10 OHM METERS

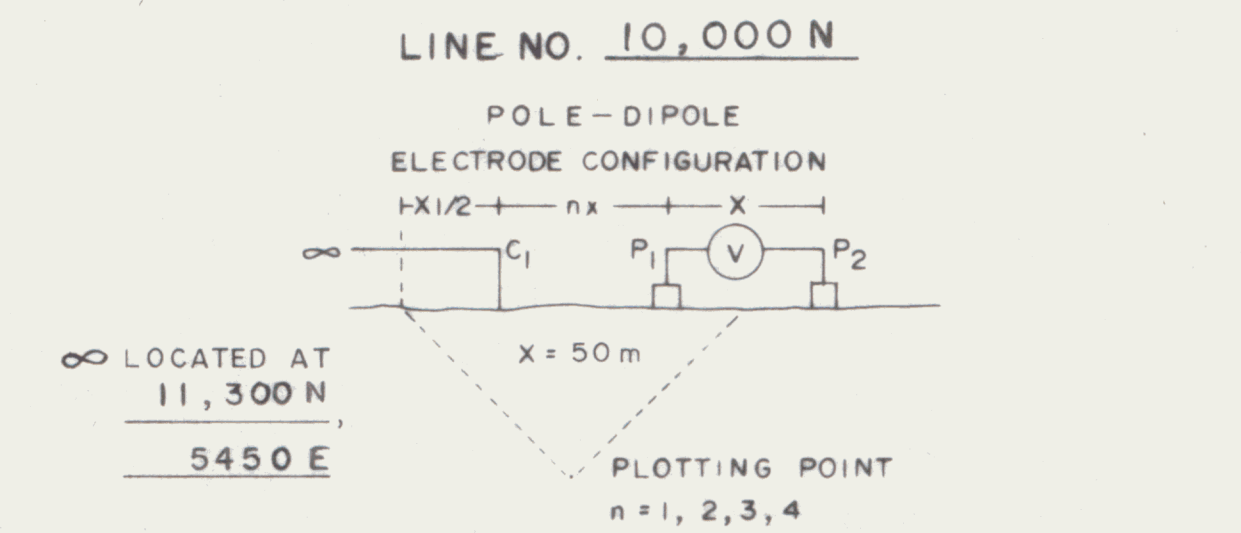
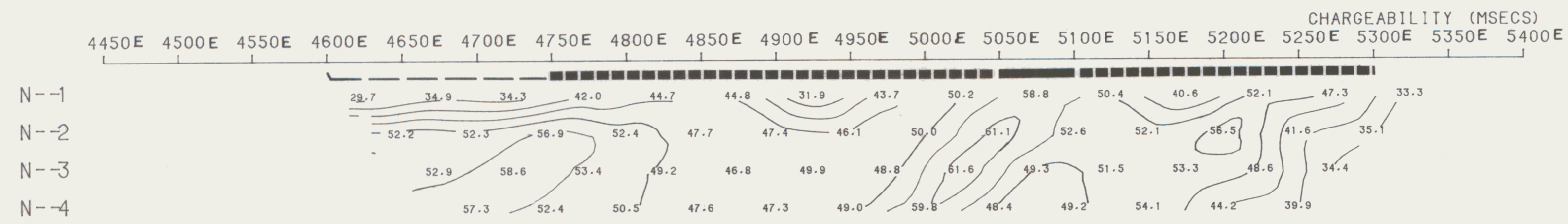
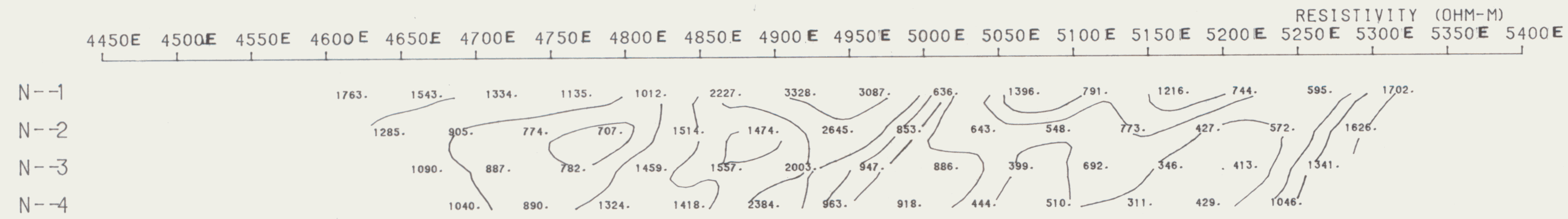


NEL GROUP *Ingo Jackisch* N.T.S. 115 P/15

Drawn by:	Traced by:	INDUCED POLARIZATION RESISTIVITY : N=1 (OHM-METERS) MAYO M.D., YUKON	Scale: 1 : 5000 Date: NOV. 1980 Plate: 187-80-4
Revised by:	Revised by:		

FORM 210-1080

COMINCO LTD. NEL GROUP MAYO M.D., YUKON



CURRENT ELECTRODE WEST OF POTENTIAL DIPOLE
CHARGEABILITY (IP) INTERPRETATION

██████████ STRONG CHARGEABILITY HIGH
▒▒▒▒▒▒▒▒ MODERATE CHARGEABILITY HIGH

— — — — — IP HIGH AT FURTHER SEPARATIONS
APPARENT RESISTIVITY INTERPRETATION

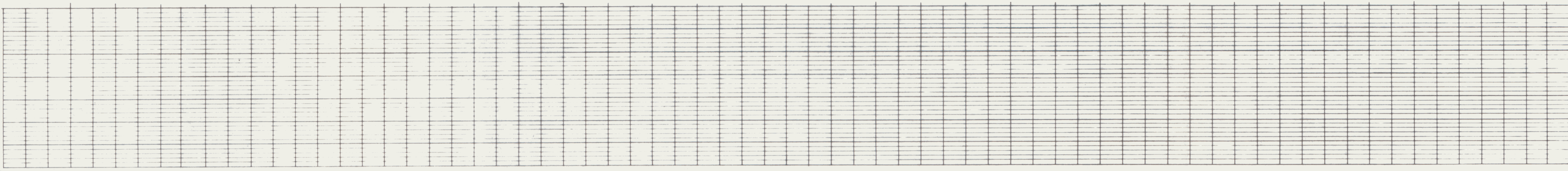
----- APPARENT RESISTIVITY LOW
DATE SURVEYED AUGUST 25, 1980

CONTOUR INTERVALS:
APP. RES. — 1, 1.5, 2, 3, 5, 7.5, 10 Ohm metres
APP. CHARG. — 5.0 MSECS

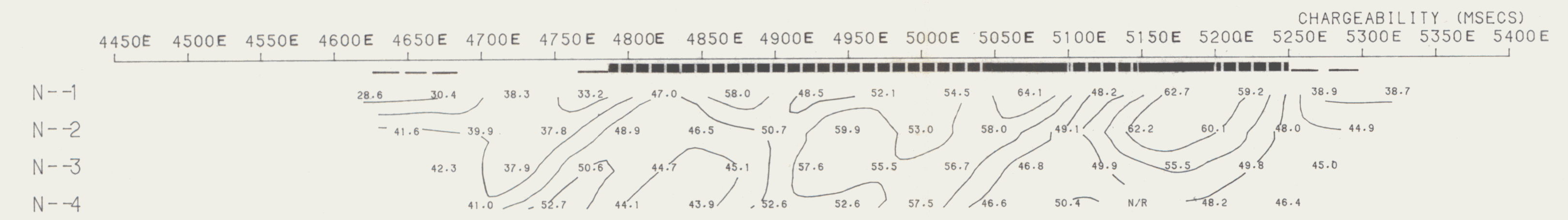
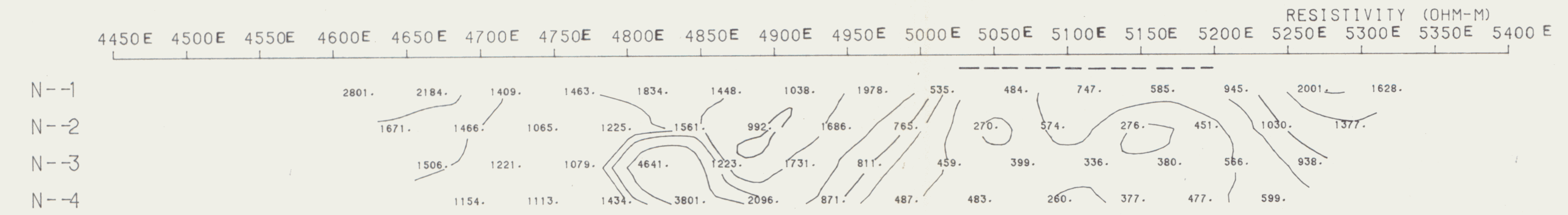
APPROVED *[Signature]*
DATE _____

TRANSMITTER — PHOENIX IPT1
RECEIVER — HUNTEC MK III #3073

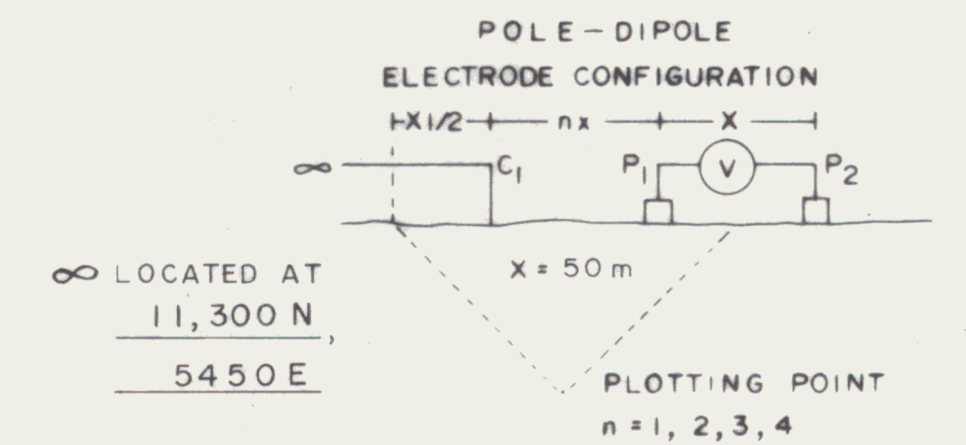
INDUCED POLARIZATION AND RESISTIVITY SURVEY
SURVEYED BY COMINCO LTD., EXPLORATION DIVISION



COMINCO LTD. NEL GROUP MAYO M.D., YUKON



LINE NO. 10,100N



CURRENT ELECTRODE WEST OF POTENTIAL DIPOLE

CHARGEABILITY (IP) INTERPRETATION

STRONG CHARGEABILITY HIGH

MODERATE CHARGEABILITY HIGH

IP HIGH AT FURTHER SEPARATIONS

APPARENT RESISTIVITY INTERPRETATION

APPARENT RESISTIVITY LOW

DATE SURVEYED AUGUST 24, 1980

CONTOUR INTERVALS:

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

APP CHARG. — 5.0 MSECS

APPROVED *JG*

DATE _____

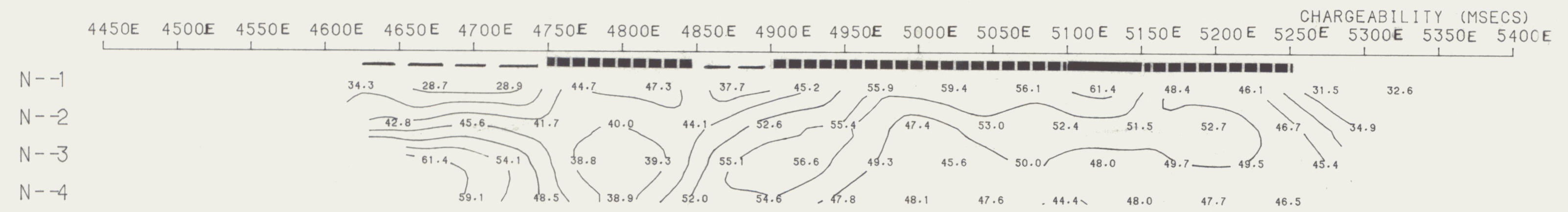
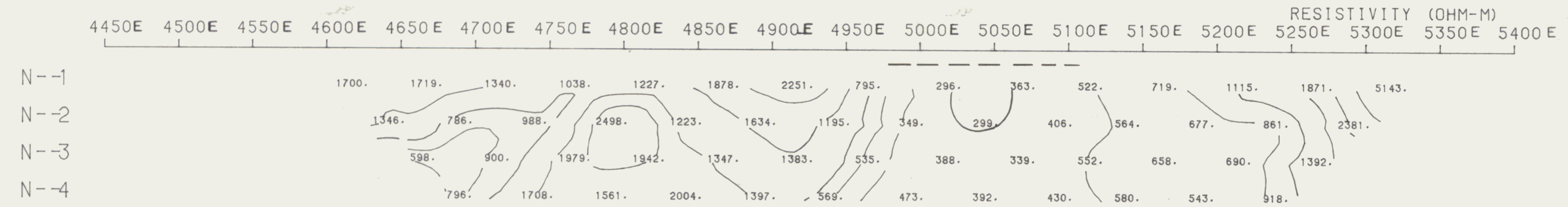
TRANSMITTER — PHOENIX IPT1

RECEIVER — HUNTEC MK III #3073

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

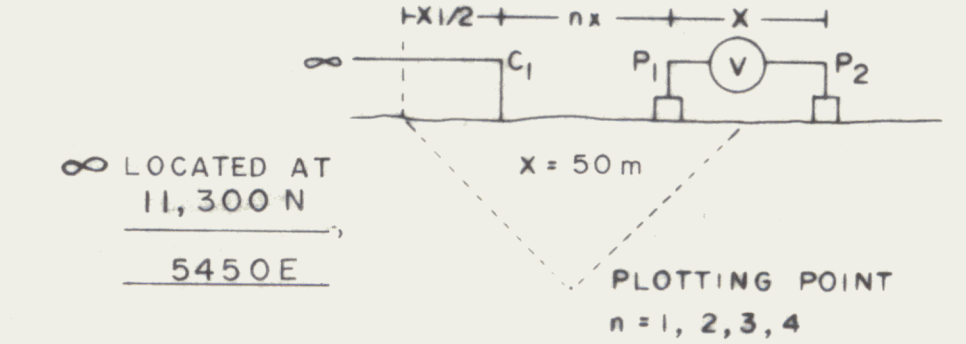


COMINCO LTD. NEL GROUP MAYO M.D., YUKON



LINE NO. 10,200 N

POLE-DIPOLE
ELECTRODE CONFIGURATION



CURRENT ELECTRODE WEST OF POTENTIAL DIPOLE
CHARGEABILITY (IP) INTERPRETATION
 [Solid black bar] STRONG CHARGEABILITY HIGH
 [Dotted bar] MODERATE CHARGEABILITY HIGH

[Dashed line] IP HIGH AT FURTHER SEPARATIONS
APPARENT RESISTIVITY INTERPRETATION
 [Dashed line] APPARENT RESISTIVITY LOW

DATE SURVEYED AUGUST 23 & 24 1980

CONTOUR INTERVALS:

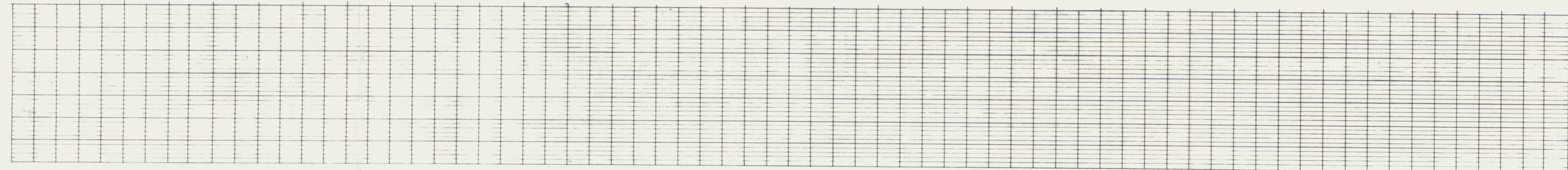
APP RES. - 1, 1.5, 2, 3, 5, 7.5, 10 ohm metres
APP CHARG. - 5.0 MSECS

APPROVED *JJ*

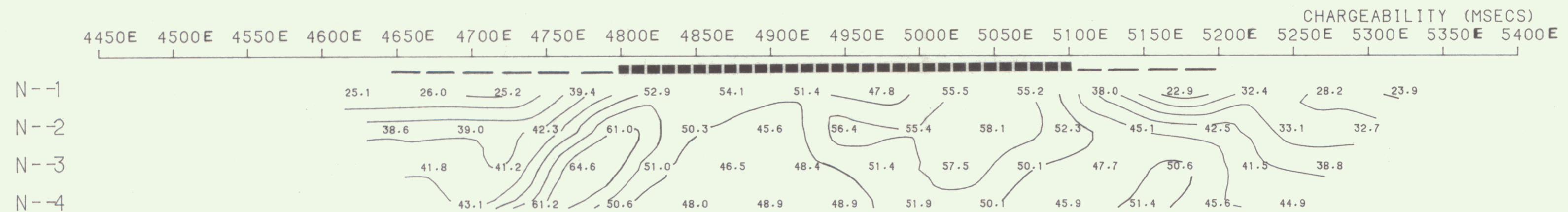
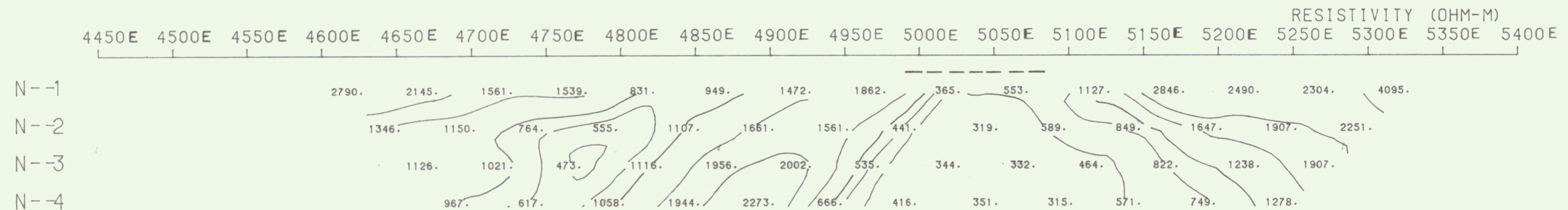
DATE _____

TRANSMITTER - PHOENIX IPT1
RECEIVER - HUNTEC MK III #3073

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

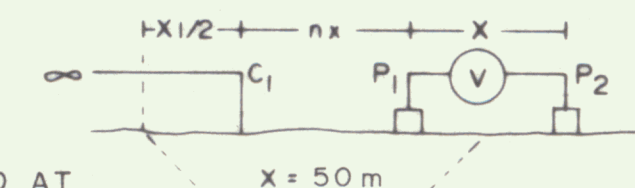


COMINCO LTD. NEL GROUP MAYO M.D., YUKON



LINE NO. 10,300N

POLE-DIPOLE
ELECTRODE CONFIGURATION



∞ LOCATED AT
11,300N
5450E

PLOTTING POINT
n = 1, 2, 3, 4

CURRENT ELECTRODE WEST OF POTENTIAL DIPOLE
CHARGEABILITY (IP) INTERPRETATION

STRONG CHARGEABILITY HIGH
 MODERATE CHARGEABILITY HIGH

IP HIGH AT FURTHER SEPARATIONS
APPARENT RESISTIVITY INTERPRETATION

APPARENT RESISTIVITY LOW
 DATE SURVEYED AUGUST 22, 1980

CONTOUR INTERVALS:

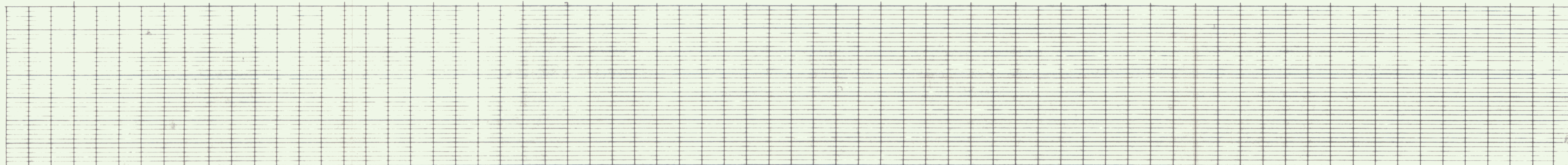
APP RES. — 1, 1.5, 2, 3, 5, 7.5, 10 ohm metres
 APP CHARG. — 5.0 MSECS

APPROVED *JJ*

DATE _____

TRANSMITTER — PHOENIX IPT1
 RECEIVER — HUNTEC MK III #3073

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



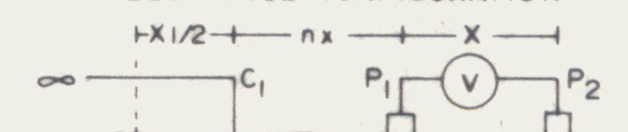
LINE 10,300N

COMINCO LTD.
NEL GROUP
MAYO M.D., YUKON



LINE NO. 10,400 N

POLE-DIPOLE
ELECTRODE CONFIGURATION



∞ LOCATED AT
11,300 N,
5450 E

PLOTTING POINT
n = 1, 2, 3, 4

CURRENT ELECTRODE WEST OF POTENTIAL DIPOLE

CHARGEABILITY (IP) INTERPRETATION

STRONG CHARGEABILITY HIGH
MODERATE CHARGEABILITY HIGH

IP HIGH AT FURTHER SEPARATIONS

APPARENT RESISTIVITY INTERPRETATION

APPARENT RESISTIVITY LOW
DATE SURVEYED AUGUST 21 & 22 1980

CONTOUR INTERVALS:

APP RES. — 1, 1.5, 2, 3, 5, 7.5, 10 ohm metres
APP CHARG. — 5.0 MSECS

APPROVED *[Signature]*

DATE _____

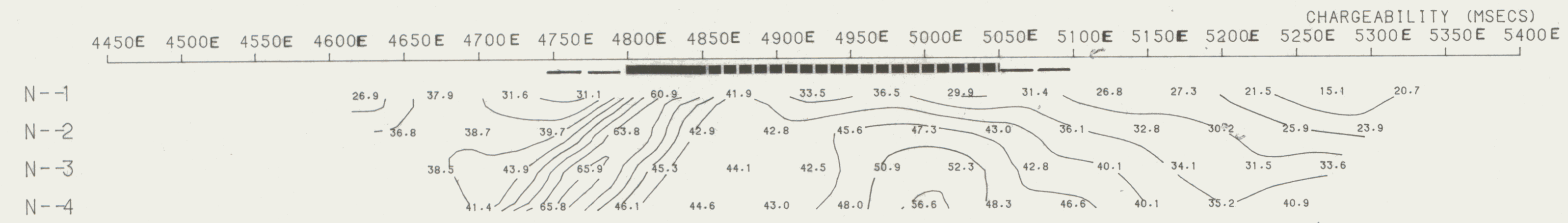
TRANSMITTER — PHOENIX IPT1

RECEIVER — HUNTEC MK III #3073

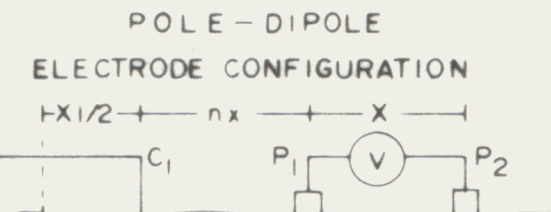
INDUCED POLARIZATION AND RESISTIVITY SURVEY
SURVEYED BY COMINCO LTD., EXPLORATION DIVISION

LINE 10,400 N

COMINCO LTD. NEL GROUP MAYO M.D., YUKON



LINE NO. 10,500 N



∞ LOCATED AT
11,300 N,
5450 E

PLOTTING POINT
n = 1, 2, 3, 4

CURRENT ELECTRODE WEST OF POTENTIAL DIPOLE
CHARGEABILITY (IP) INTERPRETATION
 ■ STRONG CHARGEABILITY HIGH
 ■■■ MODERATE CHARGEABILITY HIGH

— IP HIGH AT FURTHER SEPARATIONS
APPARENT RESISTIVITY INTERPRETATION
 - - - APPARENT RESISTIVITY LOW
 DATE SURVEYED AUGUST 20, 1980

CONTOUR INTERVALS:
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 APP CHARG — 5.0 MSECS

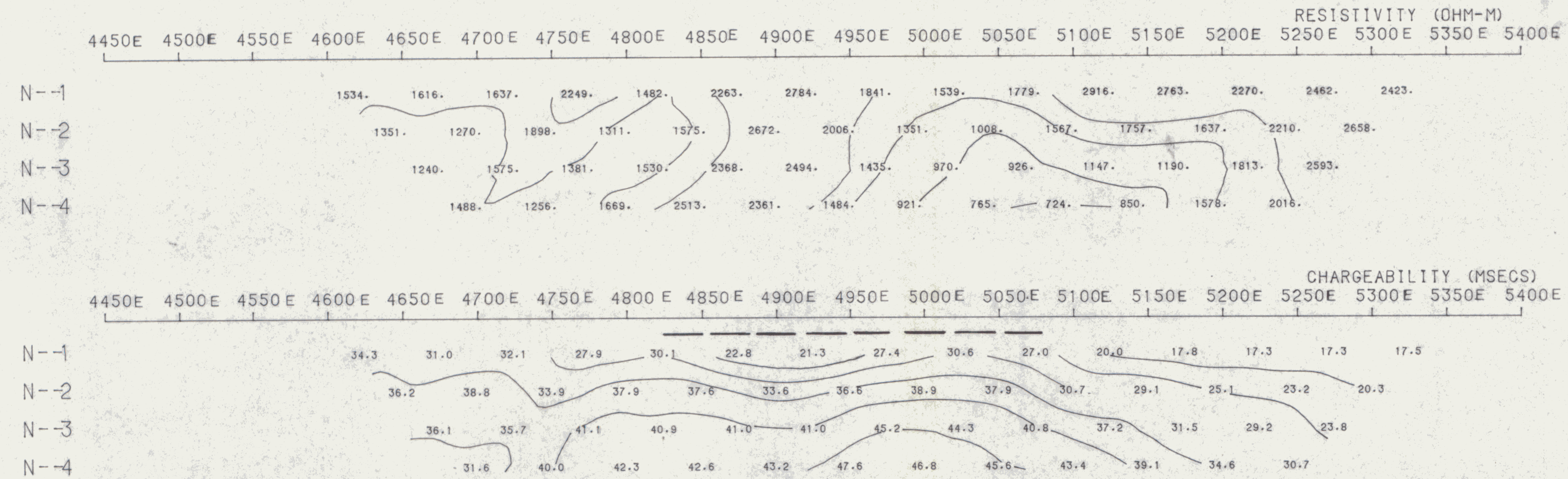
APPROVED *JJ*
 DATE _____

TRANSMITTER — PHOENIX IPT1
 RECEIVER — HUNTEC MK III #3073

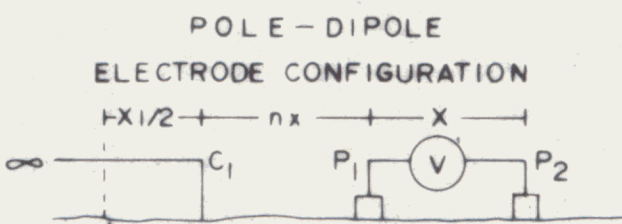
INDUCED POLARIZATION AND RESISTIVITY SURVEY
 SURVEYED BY COMINCO LTD., EXPLORATION DIVISION



COMINCO LTD. NEL GROUP MAYO M.D., YUKON



LINE NO. 10600 N



∞ LOCATED AT
11,300 N,
5450 E

PLOTTING POINT
n = 1, 2, 3, 4

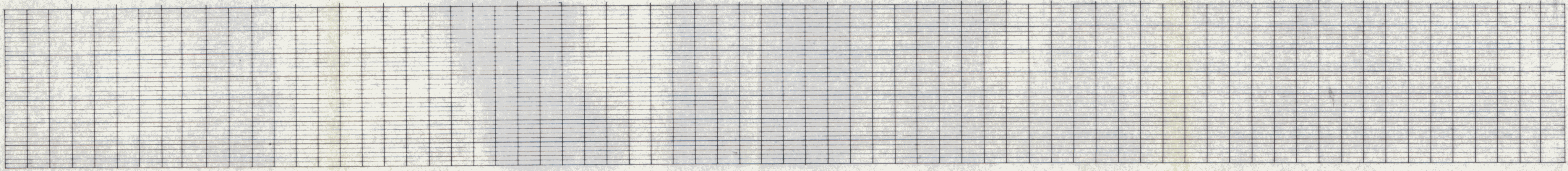
CURRENT ELECTRODE WEST OF POTENTIAL DIPOLE
CHARGEABILITY (IP) INTERPRETATION
 ■■■■■ STRONG CHARGEABILITY HIGH
 ■■■■■ MODERATE CHARGEABILITY HIGH

— IP HIGH AT FURTHER SEPARATIONS
APPARENT RESISTIVITY INTERPRETATION
 - - - - - APPARENT RESISTIVITY LOW
 DATE SURVEYED AUGUST 19, 1980

CONTOUR INTERVALS:
 APP RES — 1, 1.5, 2, 3, 5, 7.5, 10 ohm metres
 APP CHARG — 5.0 MSECS
 APPROVED *[Signature]*
 DATE _____

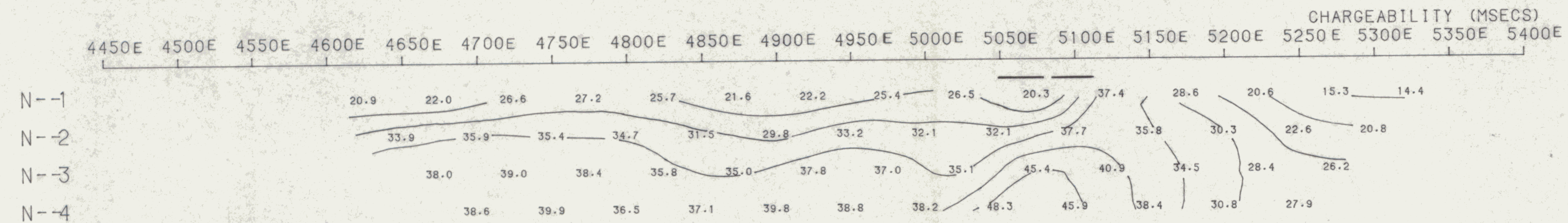
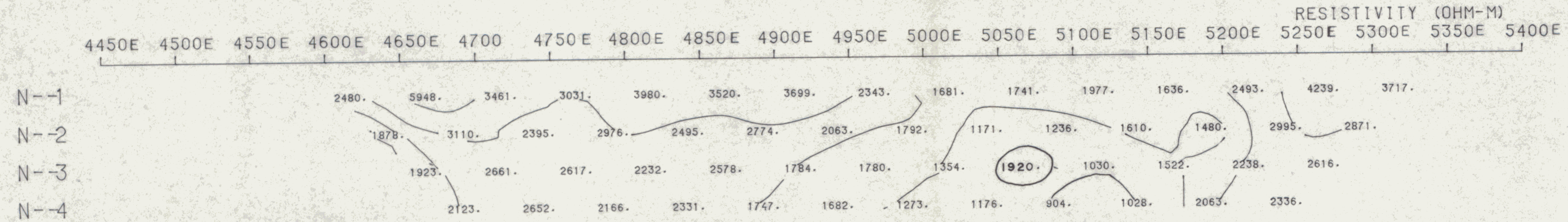
TRANSMITTER — PHOENIX IPT1
RECEIVER — HUNTEC MK III #3073

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



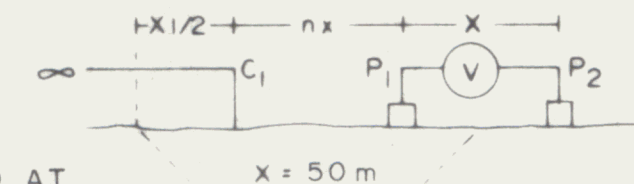
LINE 10600 N

COMINCO LTD.
NEL GROUP
MAYO M.D., YUKON



LINE NO. 10700.N

POLE-DIPOLE
ELECTRODE CONFIGURATION



∞ LOCATED AT
11,300N,
5450E

PLOTTING POINT
n = 1, 2, 3, 4

CURRENT ELECTRODE WEST OF POTENTIAL DIPOLE

CHARGEABILITY (IP) INTERPRETATION

██████████ STRONG CHARGEABILITY HIGH

▒▒▒▒▒▒▒▒ MODERATE CHARGEABILITY HIGH

———— IP HIGH AT FURTHER SEPARATIONS

APPARENT RESISTIVITY INTERPRETATION

----- APPARENT RESISTIVITY LOW

DATE SURVEYED AUGUST 19, 1980

CONTOUR INTERVALS:

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

APP CHARG — 5.0 MSECS

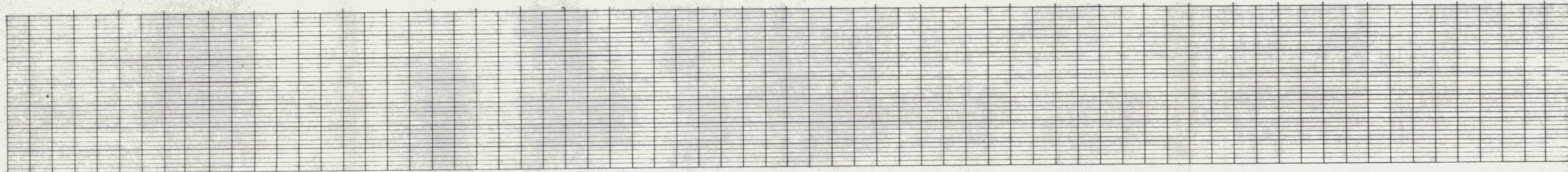
APPROVED *[Signature]*

DATE _____

TRANSMITTER — PHOENIX IPT1

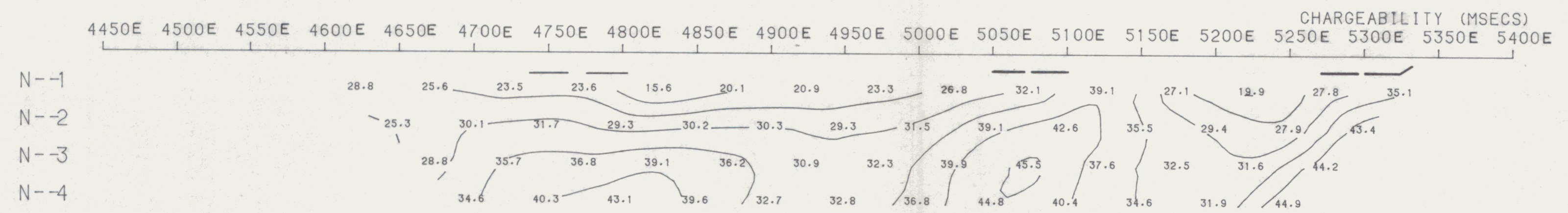
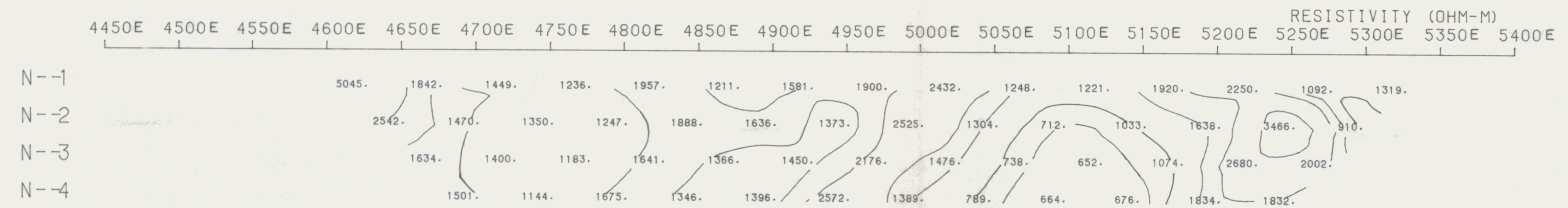
RECEIVER — HUNTEC MK III #3073

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

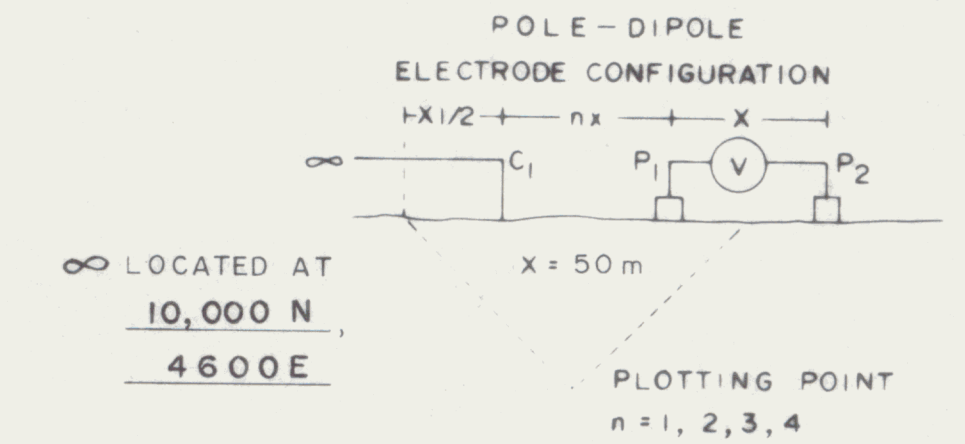


LINE 10700.N

COMINCO LTD. NEL GROUP MAYO M.D., YUKON



LINE NO. 10800N



CURRENT ELECTRODE WEST OF POTENTIAL DIPOLE
CHARGEABILITY (IP) INTERPRETATION
 [Solid black bar] STRONG CHARGEABILITY HIGH
 [Dotted bar] MODERATE CHARGEABILITY HIGH

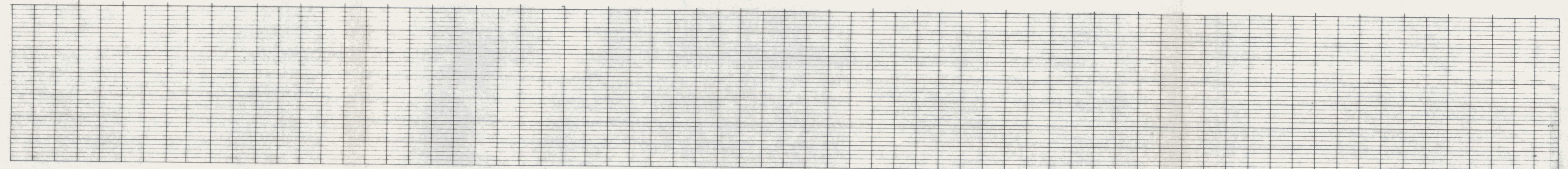
[Dashed line] IP HIGH AT FURTHER SEPARATIONS
APPARENT RESISTIVITY INTERPRETATION
 [Dashed line] APPARENT RESISTIVITY LOW
 DATE SURVEYED AUGUST 17 & 18, 1980

CONTOUR INTERVALS:
 APP RES - 1, 1.5, 2, 3, 5, 7.5, 10 ohm metres
 APP CHARG - 5.0 MSECS
 APPROVED *gg*

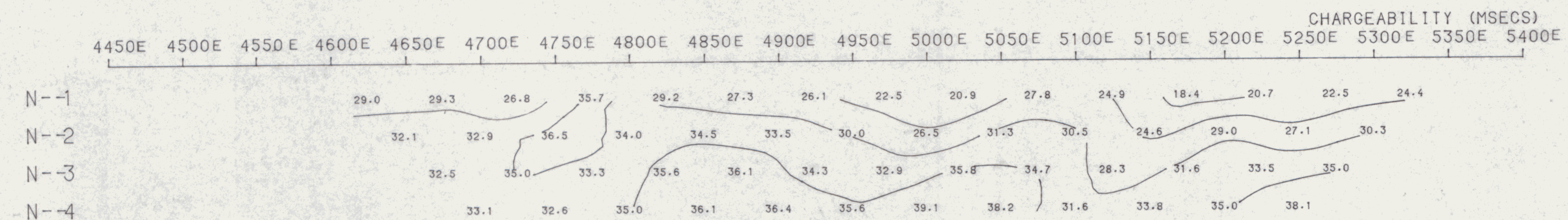
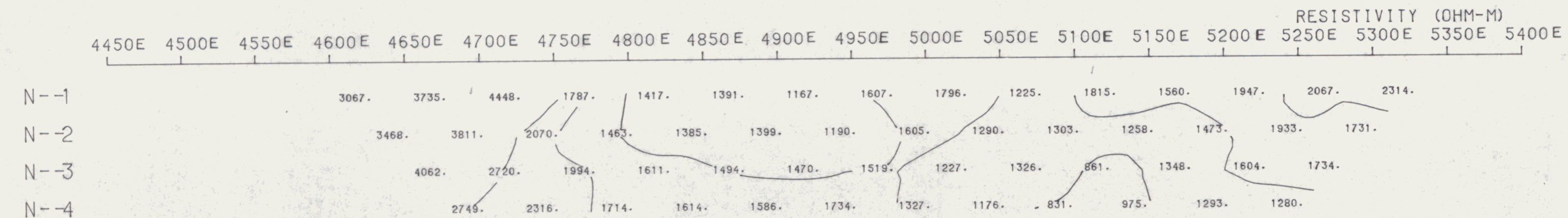
DATE _____

TRANSMITTER - PHOENIX IPT1
 RECEIVER - HUNTEC MK III #3073

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

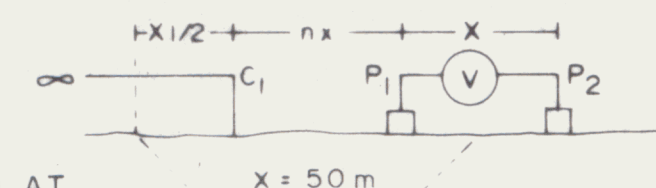


COMINCO LTD. NEL GROUP MAYO M.D., YUKON



LINE NO. 10,900 N

POLE-DIPOLE
ELECTRODE CONFIGURATION



∞ LOCATED AT
10,000 N,
4600 E

PLOTTING POINT
n = 1, 2, 3, 4

CURRENT ELECTRODE WEST OF POTENTIAL DIPOLE
CHARGEABILITY (IP) INTERPRETATION

STRONG CHARGEABILITY HIGH
 MODERATE CHARGEABILITY HIGH

IP HIGH AT FURTHER SEPARATIONS
APPARENT RESISTIVITY INTERPRETATION

APPARENT RESISTIVITY LOW
 DATE SURVEYED AUGUST 17, 1980

CONTOUR INTERVALS:

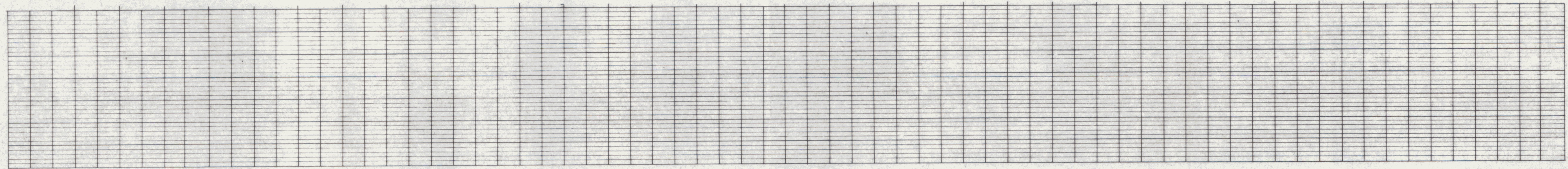
APP RES - 1, 1.5, 2, 3, 5, 7.5, 10 ohm metres
 APP CHARG - 5.0 MSECS

APPROVED *[Signature]*

DATE _____

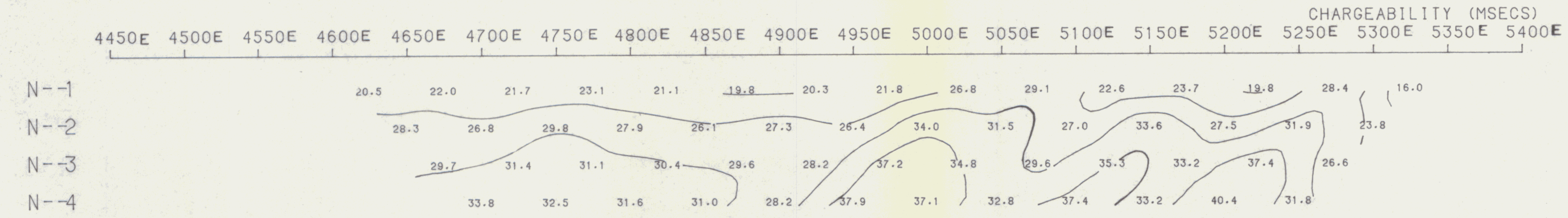
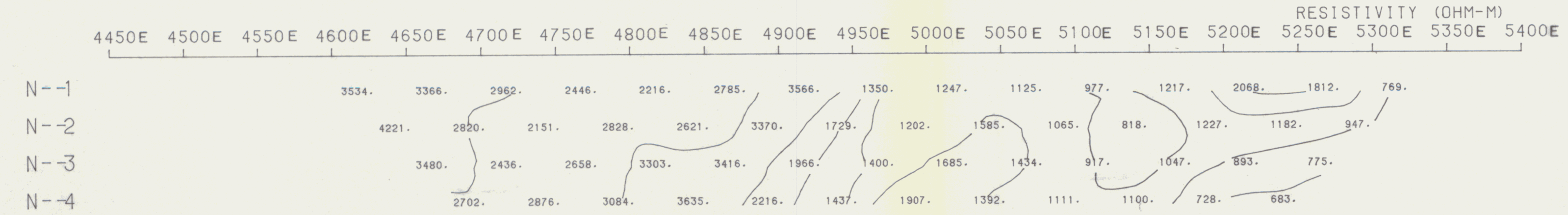
TRANSMITTER - PHOENIX IPT1
 RECEIVER - HUNTEC MK III #3073

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



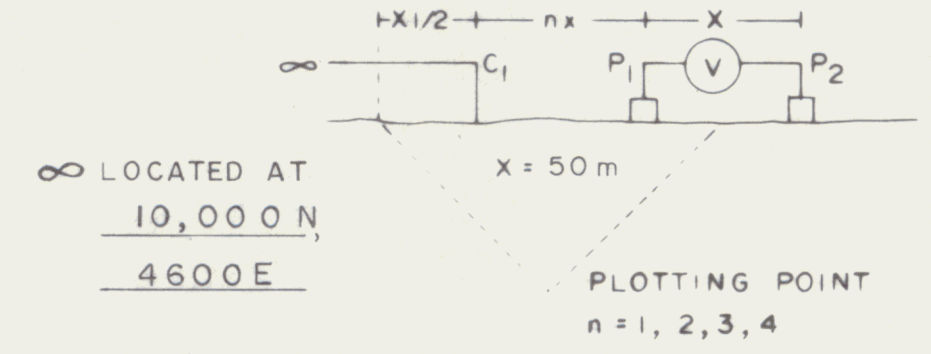
LINE 10,900 N

COMINCO LTD. NEL GROUP MAYO M.D., YUKON



LINE NO. 11,000 N

POLE-DIPOLE
ELECTRODE CONFIGURATION



CURRENT ELECTRODE WEST OF POTENTIAL DIPOLE

CHARGEABILITY (IP) INTERPRETATION

██████████ STRONG CHARGEABILITY HIGH

▒▒▒▒▒▒▒▒ MODERATE CHARGEABILITY HIGH

— — — — — IP HIGH AT FURTHER SEPARATIONS

APPARENT RESISTIVITY INTERPRETATION

----- APPARENT RESISTIVITY LOW

DATE SURVEYED AUGUST 13, 1980

CONTOUR INTERVALS:

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

APP CHARG — 5.0 MSECS

APPROVED *JG*

DATE _____

TRANSMITTER — PHOENIX IPT1

RECEIVER — HUNTEC MK III #3073

INDUCED POLARIZATION AND RESISTIVITY SURVEY

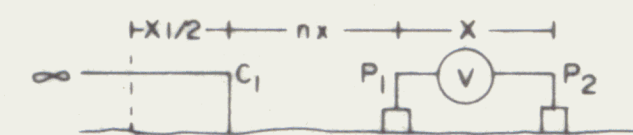
SURVEYED BY COMINCO LTD., EXPLORATION DIVISION

LINE 11,000 N

COMINCO LTD. NEL GROUP MAYO M.D., YUKON

LINE NO. 11,100N

POLE-DIPOLE
ELECTRODE CONFIGURATION



∞ LOCATED AT
10,000N,
4600E

PLOTTING POINT
n = 1, 2, 3, 4

CURRENT ELECTRODE WEST OF POTENTIAL DIPOLE

CHARGEABILITY (IP) INTERPRETATION

■ STRONG CHARGEABILITY HIGH
■ MODERATE CHARGEABILITY HIGH

— IP HIGH AT FURTHER SEPARATIONS

APPARENT RESISTIVITY INTERPRETATION

--- APPARENT RESISTIVITY LOW
DATE SURVEYED AUGUST 13, 1980

CONTOUR INTERVALS :

APP. RES. — 1, 1.5, 2, 3, 5, 7.5, 10 ohm metres
APP. CHARG. — 5.0 MSECS

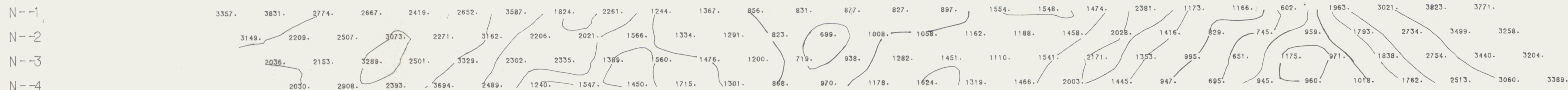
APPROVED *JJ*

DATE _____

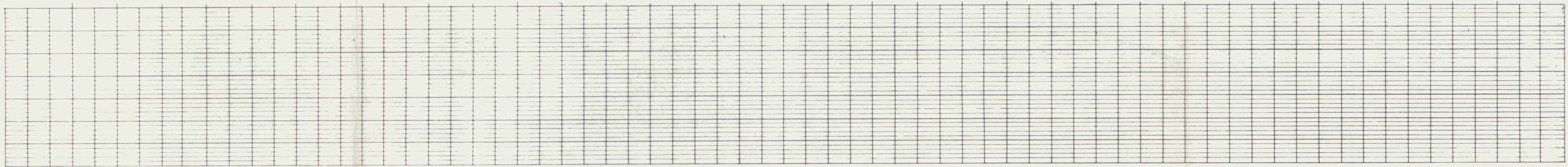
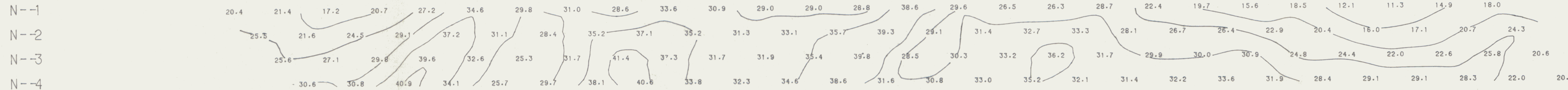
TRANSMITTER — PHOENIX IPTI
RECEIVER — HUNTEC MK III #3073

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

RESISTIVITY (OHM-M)
4450E 4500E 4550E 4600E 4650E 4700E 4750E 4800E 4850E 4900E 4950E 5000E 5050E 5100E 5150E 5200E 5250E 5300E 5350E 5400E 5450E 5500E 5550E 5600E 5650E 5700E 5750E 5800E 5850E 5900E 5950E 6000E 6050E 6100E 6150E



CHARGEABILITY (MSECS)
4450E 4500E 4550E 4600E 4650E 4700E 4750E 4800E 4850E 4900E 4950E 5000E 5050E 5100E 5150E 5200E 5250E 5300E 5350E 5400E 5450E 5500E 5550E 5600E 5650E 5700E 5750E 5800E 5850E 5900E 5950E 6000E 6050E 6100E 6150E

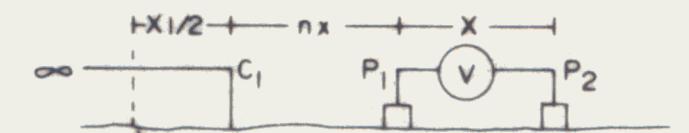


LINE 11,100N

COMINCO LTD. NEL GROUP MAYO M.D., YUKON

LINE NO. 11,200 N

POLE-DIPOLE
ELECTRODE CONFIGURATION



∞ LOCATED AT
10,000E
4600E

PLOTTING POINT
n = 1, 2, 3, 4

CURRENT ELECTRODE WEST OF POTENTIAL DIPOLE

CHARGEABILITY (IP) INTERPRETATION

STRONG CHARGEABILITY HIGH
MODERATE CHARGEABILITY HIGH

IP HIGH AT FURTHER SEPARATIONS
APPARENT RESISTIVITY INTERPRETATION

APPARENT RESISTIVITY LOW
DATE SURVEYED AUGUST 15, 1980

CONTOUR INTERVALS:

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

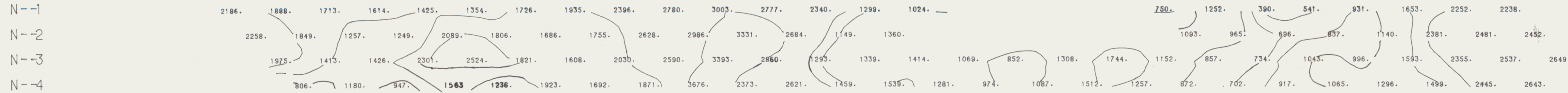
APPROVED *JJ*

DATE _____

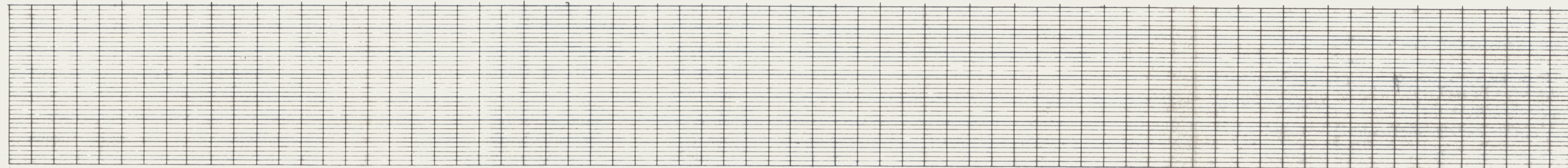
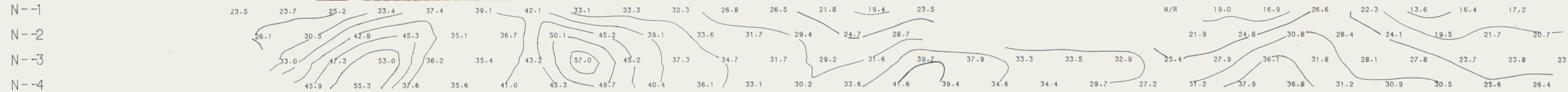
TRANSMITTER - PHOENIX IPT1
RECEIVER - HUNTEC MK III #3073

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

RESISTIVITY (OHM-M)
4450E 4500E 4550E 4600E 4650E 4700E 4750E 4800E 4850E 4900E 4950E 5000E 5050E 5100E 5150E 5200E 5250E 5300E 5350E 5400E 5450E 5500E 5550E 5600E 5650E 5700E 5750E 5800E 5850E 5900E 5950E 6000E 6050E 6100E

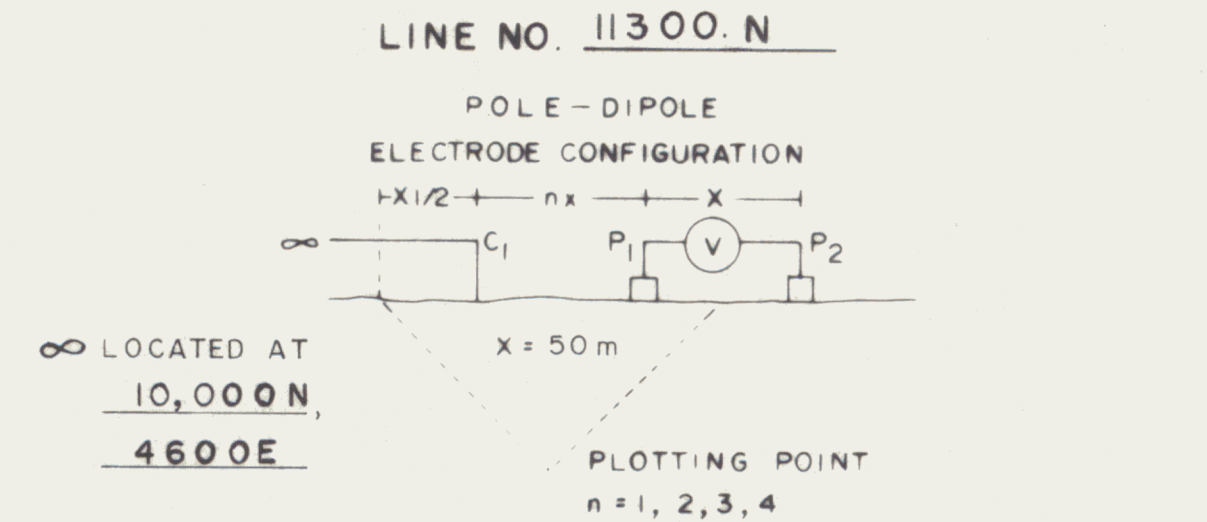
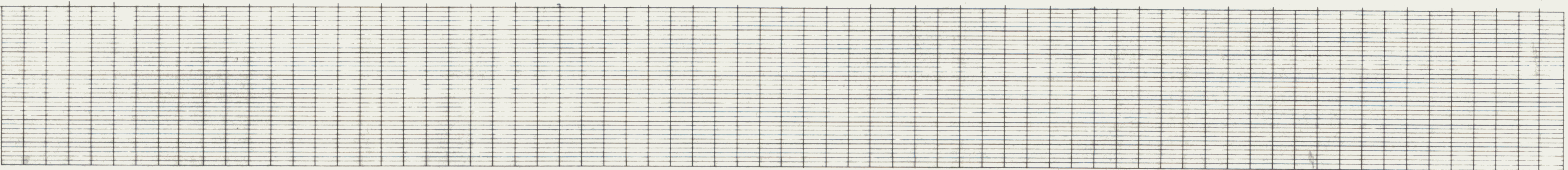
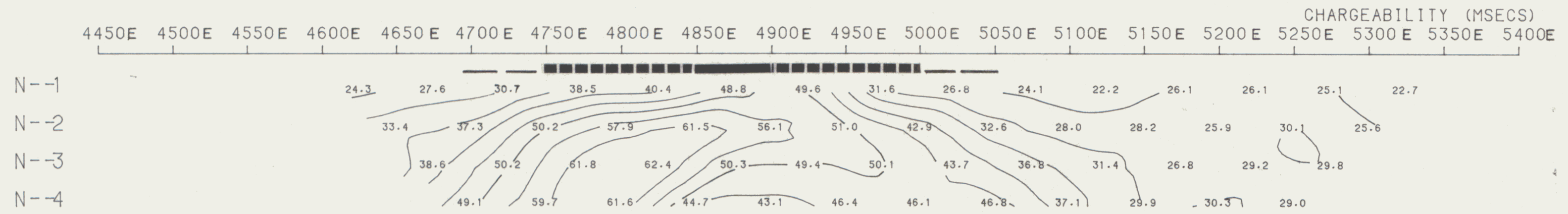
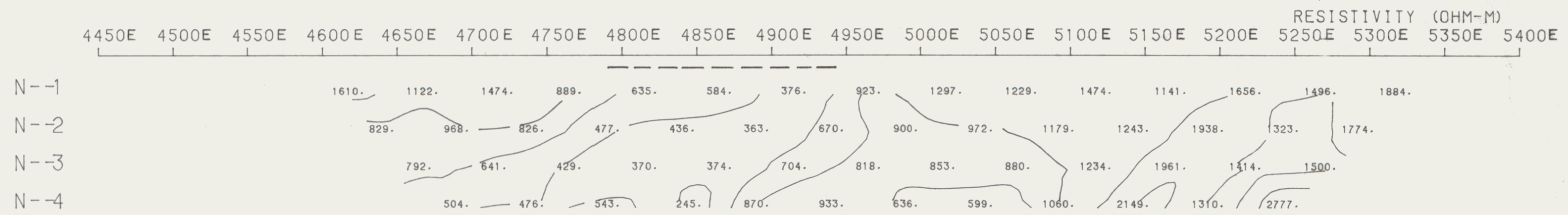


CHARGEABILITY (MSECS)
4450E' 4500E 4550E 4600E 4650E 4700E 4750E 4800E 4850E 4900E 4950E 5000E 5050E 5100E 5150E 5200E 5250E 5300E 5350E 5400E 5450E 5500E 5550E 5600E 5650E 5700E 5750E 5800E 5850E 5900E 5950E 6000E 6050E 6100E



LINE 11,200 N

COMINCO LTD. NEL GROUP MAYO M.D., YUKON



CURRENT ELECTRODE WEST OF POTENTIAL DIPOLE

CHARGEABILITY (IP) INTERPRETATION

██████████ STRONG CHARGEABILITY HIGH

■■■■■■■■ MODERATE CHARGEABILITY HIGH

----- IP HIGH AT FURTHER SEPARATIONS

APPARENT RESISTIVITY INTERPRETATION

----- APPARENT RESISTIVITY LOW

DATE SURVEYED AUGUST 15, 1980

CONTOUR INTERVALS:

APP RES - 1, 1.5, 2, 3, 5, 7.5, 10 ohm metres

APP CHARG. - 5.0 MSECS

APPROVED *gg*

DATE _____

TRANSMITTER - PHOENIX IPT1

RECEIVER - HUNTEC MK III #3073

INDUCED POLARIZATION AND RESISTIVITY SURVEY

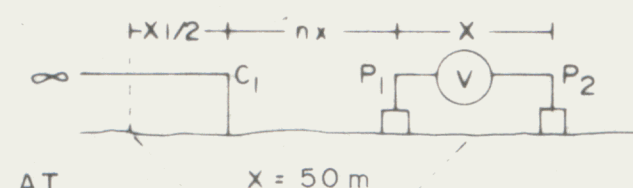
SURVEYED BY COMINCO LTD., EXPLORATION DIVISION

LINE 11300.N

COMINCO LTD.
NEL GROUP
MAYO M.D., YUKON

LINE NO. 11400 N

POLE-DIPOLE
ELECTRODE CONFIGURATION



∞ LOCATED AT
10,000 N,
4600 E

PLOTTING POINT
n = 1, 2, 3, 4

CURRENT ELECTRODE WEST OF POTENTIAL DIPOLE

CHARGEABILITY (IP) INTERPRETATION

██████████ STRONG CHARGEABILITY HIGH
██████████ MODERATE CHARGEABILITY HIGH

— — — — — IP HIGH AT FURTHER SEPARATIONS

APPARENT RESISTIVITY INTERPRETATION

----- APPARENT RESISTIVITY LOW
DATE SURVEYED AUGUST 16, 1980

CONTOUR INTERVALS:

APP RES — 1, 1.5, 2, 3, 5, 7.5, 10 ohm metres
APP CHARG — 5.0 MSECS

APPROVED *JJ*

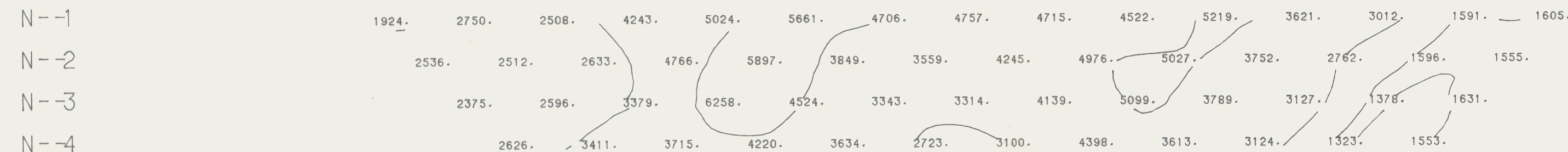
DATE _____

TRANSMITTER — PHOENIX IPTI

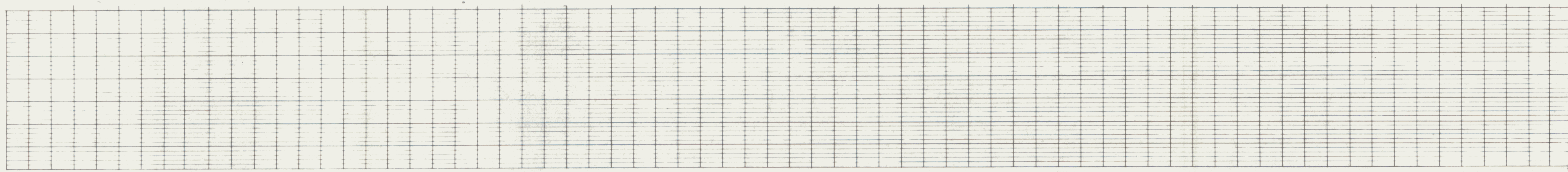
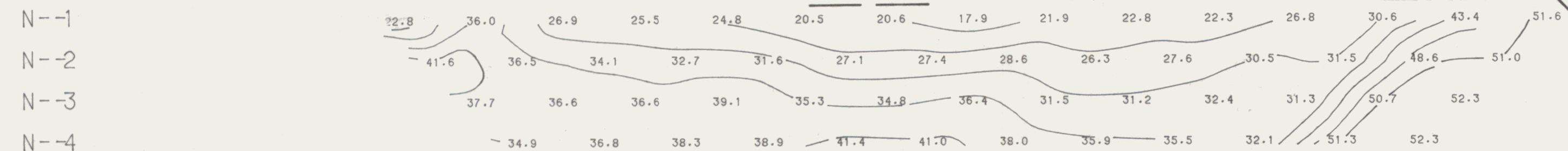
RECEIVER — HUNTEC MK III #3073

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

RESISTIVITY (OHM-M)
4450E 4500E 4550E 4600E 4650E 4700E 4750E 4800E 4850E 4900E 4950E 5000E 5050E 5100E 5150E 5200E 5250E 5300E 5350E 5400E

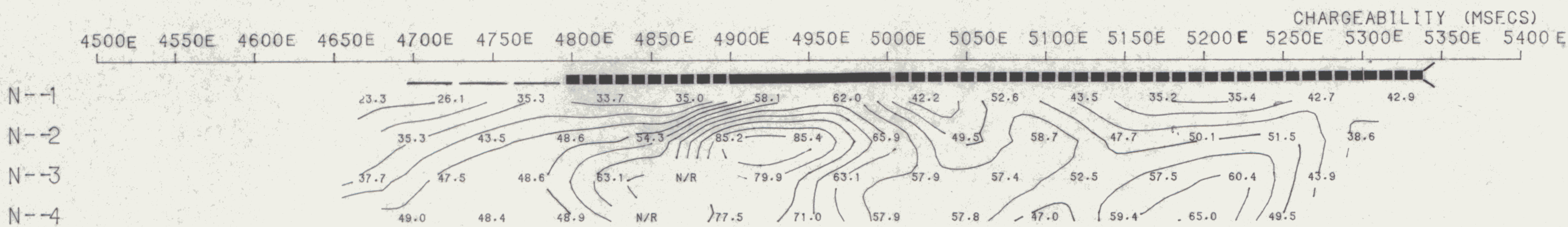
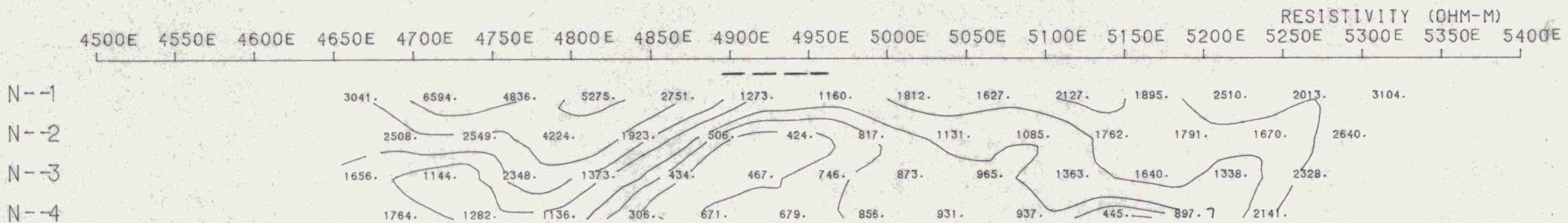


CHARGEABILITY (MSECS)
4450E 4500E 4550E 4600E 4650E 4700E 4750E 4800E 4850E 4900E 4950E 5000E 5050E 5100E 5150E 5200E 5250E 5300E 5350E 5400E



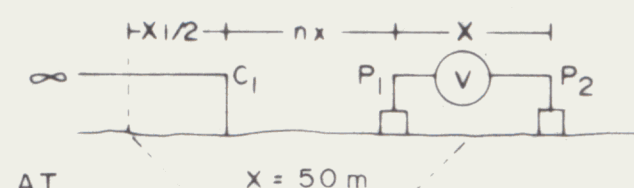
LINE 11400 N

COMINCO LTD. NEL GROUP MAYO M.D., YUKON



LINE NO. 11500 N

POLE-DIPOLE
ELECTRODE CONFIGURATION



∞ LOCATED AT
10,000 N
4600 E

PLOTTING POINT
n = 1, 2, 3, 4

CURRENT ELECTRODE WEST OF POTENTIAL DIPOLE

CHARGEABILITY (IP) INTERPRETATION

STRONG CHARGEABILITY HIGH
 MODERATE CHARGEABILITY HIGH

IP HIGH AT FURTHER SEPARATIONS
APPARENT RESISTIVITY INTERPRETATION

APPARENT RESISTIVITY LOW
 DATE SURVEYED AUGUST 16, 1980

CONTOUR INTERVALS:

APP RES — 1, 1.5, 2, 3, 5, 7.5, 10 ohm metres
APP CHARG — 5.0 MSECS

APPROVED *JJ*

DATE

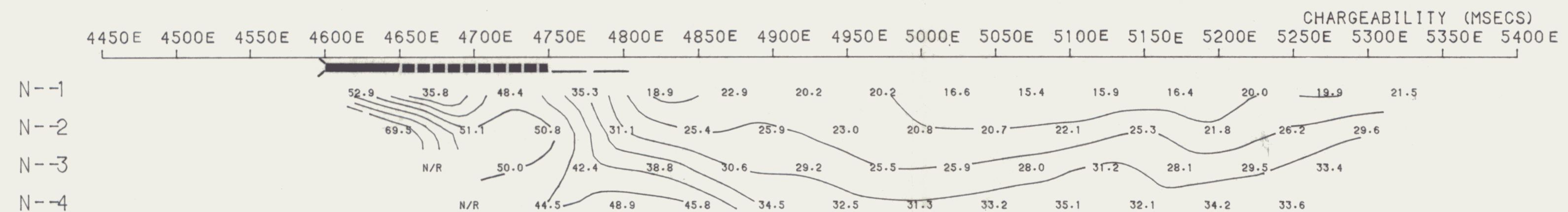
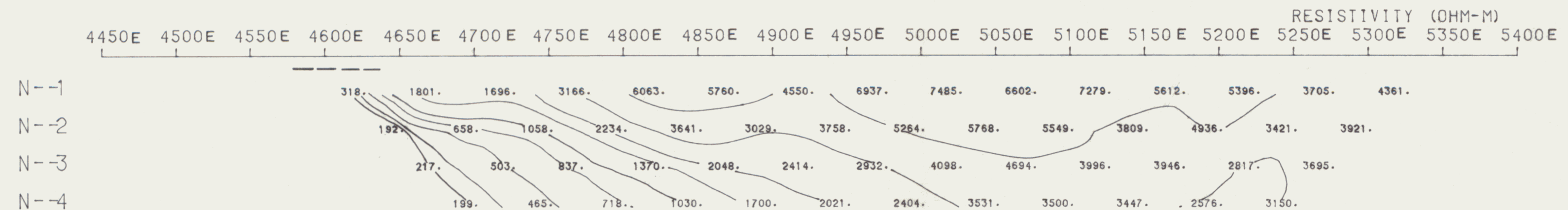
TRANSMITTER — PHOENIX IPT1

RECEIVER — HUNTEC MK III #3073

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

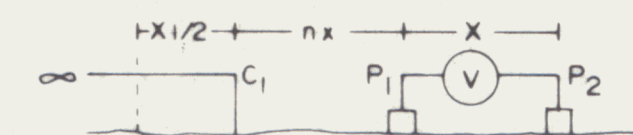
LINE 11500 N

COMINCO LTD. NEL GROUP MAYO M.D., YUKON



LINE NO. 11,600 N

POLE-DIPOLE
ELECTRODE CONFIGURATION



∞ LOCATED AT
10,000 N
4600 E

PLOTTING POINT
n = 1, 2, 3, 4

CURRENT ELECTRODE WEST OF POTENTIAL DIPOLE
CHARGEABILITY (IP) INTERPRETATION

STRONG CHARGEABILITY HIGH
 MODERATE CHARGEABILITY HIGH

IP HIGH AT FURTHER SEPARATIONS
 APPARENT RESISTIVITY INTERPRETATION

APPARENT RESISTIVITY LOW
DATE SURVEYED AUGUST 26, 1980

CONTOUR INTERVALS:

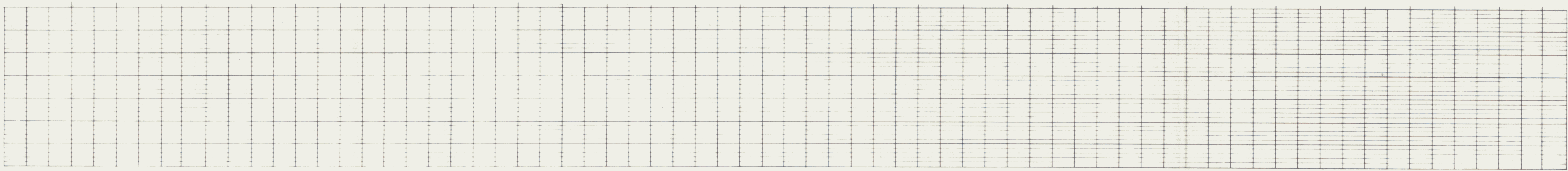
APP RES — 1, 1.5, 2, 3, 5, 7.5, 10 ohm metres
APP CHARG — 5.0 MSECS

APPROVED

DATE _____

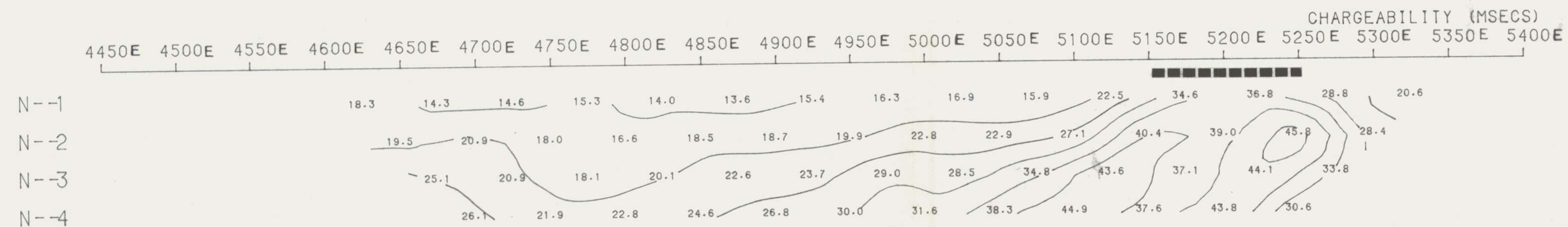
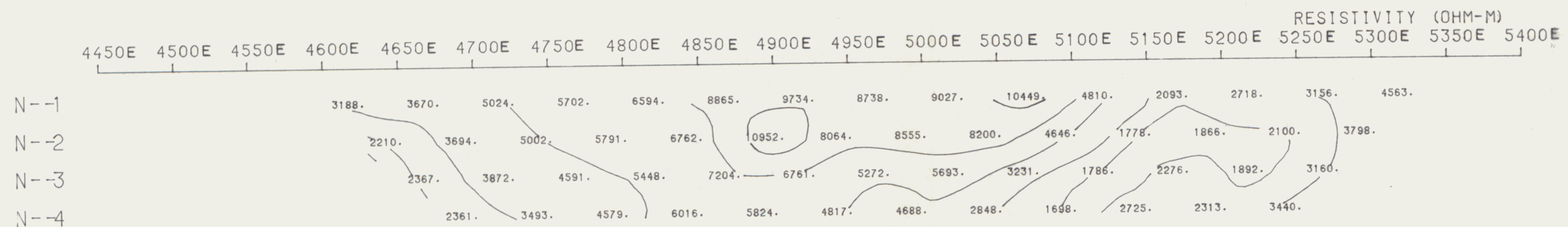
TRANSMITTER — PHOENIX IPT1
RECEIVER — HUNTEC MK III #3073

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

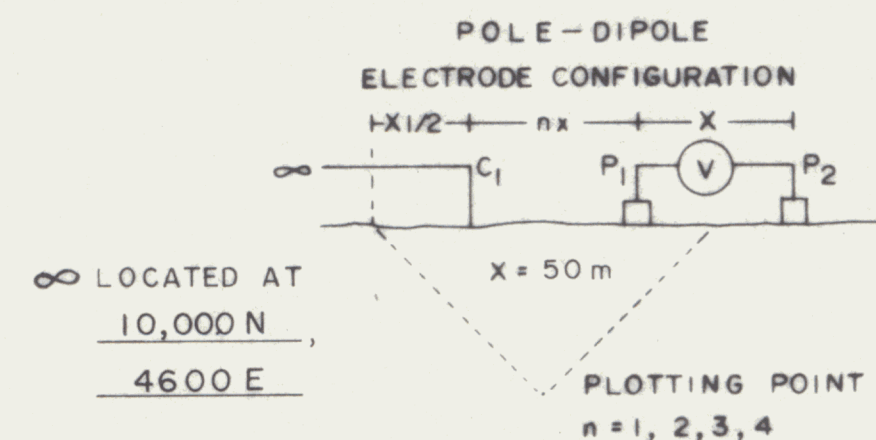


LINE 11,600 N

COMINCO LTD. NEL GROUP MAYO M.D., YUKON



LINE NO. 11,700N



CURRENT ELECTRODE WEST OF POTENTIAL DIPOLE

CHARGEABILITY (IP) INTERPRETATION

STRONG CHARGEABILITY HIGH

MODERATE CHARGEABILITY HIGH

IP HIGH AT FURTHER SEPARATIONS

APPARENT RESISTIVITY INTERPRETATION

APPARENT RESISTIVITY LOW

DATE SURVEYED AUGUST 26 & 27 1980

CONTOUR INTERVALS:

APP RES - 1, 1.5, 2, 3, 5, 7.5, 10 ohm metres

APP CHARG. - 5.0 MSECS

APPROVED *JJ*

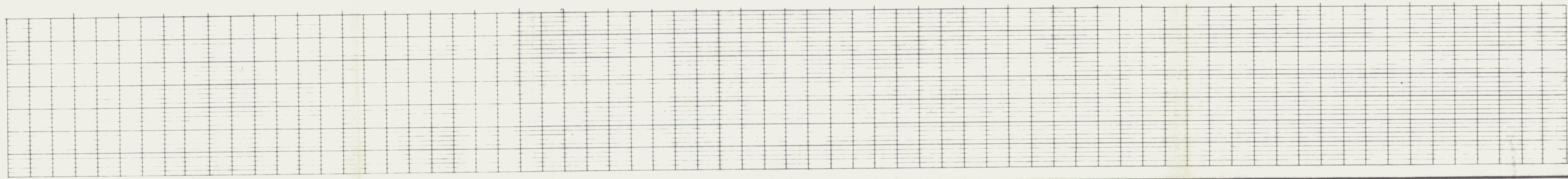
DATE _____

TRANSMITTER - PHOENIX IPT1

RECEIVER - HUNTEC MK III #3073

INDUCED POLARIZATION AND RESISTIVITY SURVEY

SURVEYED BY COMINCO LTD., EXPLORATION DIVISION



LINE 11,700N