

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

NTS: 92-I-9

GEOPHYSICAL REPORT

ON

INDUCED POLARIZATION AND MAGNETICS SURVEYS

AJAX PROPERTY

KAMLOOPS AREA: KAMLOOPS MINING DIVISION, B.C.

LATITUDE: 50°37'N

LONGITUDE: 120°23'W

FIELD WORK PERFORMED:

MAY 5-16, 18-31, JUNE 1-6,

22-28, JULY 31 - AUG. 4, 1980

ON CLAIMS: JACKO 4, 6fr.,8fr.,10fr.; AJAX CG, AJAX 6, 11,
AJAX fr., 4fr.; LOT 411; NEPTUNE CG; COPPER STAR CG;
FORLORN CG; DAVE 44A; WHEAL TAMAR CG; MONTE CARLO CG;
GRASS ROOTS CG; SULTAN CG; DAVE 1C fr.; MAP 3fr.,4fr.,
2fr.; WADE 3; DON 7,8,9fr.,5fr; PAM 11, 13,16,18-24,28,32

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT

9166
NO. _____

APRIL 1981

ALAN R. SCOTT

TABLE OF CONTENTS

	<u>Page</u>
INTRODUCTION.	1
LOCATION AND ACCESS	1
GEOPHYSICAL SURVEYS	1
Induced Polarization	1
Magnetics.	2
DESCRIPTION OF RESULTS.	2
CONCLUSIONS	4

APPENDIX I	Statement
APPENDIX II	Statement of Expenditures
APPENDIX III	Certification

ATTACHMENTS

Plate 174-80-1	Location Map
Plate 174-80-2	Claims and Grid Map
Plate 174-80-3 to 22	Induced Polarization/Apparent Resistivity pseudosections
Plate 174-80-23	Magnetic Field Contour Plan
Plate 174-80-24	Chargeability Contour Plan (n=1)
Plate 174-80-25	Apparent Resistivity Contour Plan (n=1)
Plate 174-80-26	n=1→4 Averaged Chargeability Plan

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

NTS: 92I-10

APRIL 1981

GEOPHYSICAL REPORT

ON

INDUCED POLARIZATION AND MAGNETICS SURVEYS

AJAX PROPERTY

KAMLOOPS AREA: KAMLOOPS MINING DIVISION, B.C.

INTRODUCTION

During the periods May 5 to June 6 and June 22 to 28, 1980, a Cominco geophysical crew completed some 66 line kilometers of multiseperation induced polarization over portions of the AJAX-MONTE CARLO property. A total field magnetometer survey was also completed on the grid.

The purpose of the survey was to map the geophysical response of the property as a guide to drill testing for copper mineralization of the Afton type.

This report describes the procedures used on the survey, presents the data, and discusses the geophysical results.

LOCATION AND ACCESS

The Ajax property is located immediately east of Jacko Lake, about 8 kilometers southwest of the city of Kamloops. The general location of the property is shown on plate 174-80-1 and the location of the survey lines in relation to the claims on plate 174-80-2.

GEOPHYSICAL SURVEYS

Induced Polarization

A Huntex 7.5 kw induced polarization transmitter in combination with two Scintrex IPR-8 receivers were used on the AJAX IP survey. Readings were taken in the time domain using a 2 second current on/2 second current off alternating square wave signal. The chargeability values plotted are those for the M₂₃₂ window from 650-1170 milliseconds following cessation of the current pulse. Units of chargeability response for the IPR-8 receiver are in millivolts per volt.

A pole dipole electrode array was used on the survey with an "a" spacing of 50 meters and "n" separations of 1,2,3, and 4. The current electrode was to the north of the receiver dipole on all the survey lines.

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

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

where V is the voltage across a pair of measuring electrodes during the current on period (I), and K is a constant for a given "a" spacing and "n" separation.





Magnetics

A Scintrex MP-2 total field proton precession magnetometer was used for the magnetics survey. Corrections for diurnal variations were made by reference to a Scintrex MBS-2 base station magnetometer.

DESCRIPTIONS

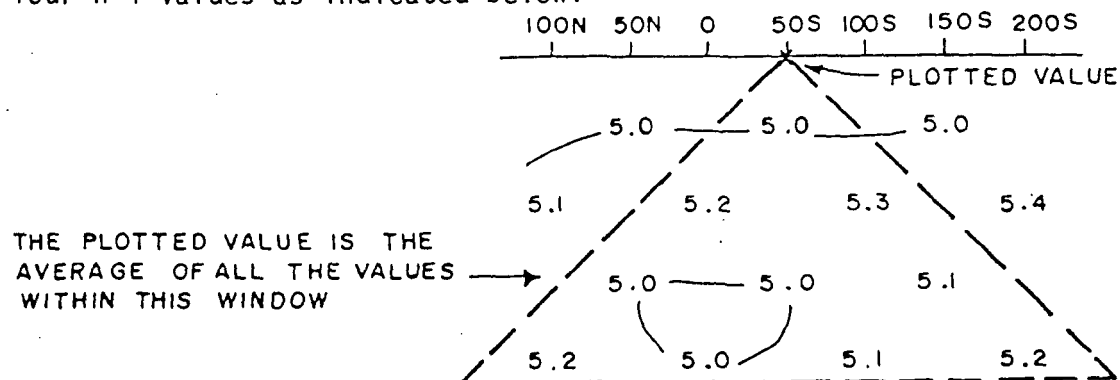
Induced Polarization Survey

The chargeability (IP) and apparent resistivity results are presented in pseudo section format on accompanying plates 174-80-3 to 22. This is a schematic form of data presentation and no specific target depth or geometry is implied by it as the plotted values represent an "average" response over large volumes of the ground. IP anomalies have been categorized on the sections in the following manner:

	strong IP high	(>30 $\frac{mV}{V}$ at near separations)
	moderate IP high	(20-30 $\frac{mV}{V}$ at near separations)
	weak IP high	(10-20 $\frac{mV}{V}$ at near separations)
		(>10 $\frac{mV}{V}$ at far separations)

As the IP will be responding to iron sulphides as well as to copper minerals, target testing should not necessarily be confined only to the higher amplitude responses.

The first separation results (n=1) are also presented in contour plan form on plate 174-80-24 (chargeability) and 25 (apparent resistivity). Plate 174-80-25 is a contour plan of the simple average of a moving 10 point window of one n=1 value, two n=2 values, three n=3 values, and four n=4 values as indicated below:



Magnetics

The magnetic field survey results are presented in contour plan form on plate 174-80-23. The contour interval is 1000 gammas and areas of greater than 59000 gammas magnetic field strength are indicated by the stippled pattern. Generally, the northern portion of the grid area is characterized by magnetic field highs and shows strong magnetic field relief, while the southern portion (underlain by volcanics) is relatively flat magnetically.

General Discussion

For discussion purposes, 10 anomalously high chargeability response zones have been defined on the chargeability contour plan (plate 174-80-24). These have been arbitrarily defined by the greater than $10 \frac{mv}{v}$ contour. As economic copper mineralization could be represented by even lower response, if no iron is present or mineralization is at depth, target testing should not necessarily be confined only to these areas.

Anomaly I

Anomaly I covers a very large elliptical area of some 2500 metres east-west by 1,000 metres north-south in the central grid area. The strongest response of $65 \frac{mv}{v}$ plots at 475 S on line 1100E. This highest amplitude portion of Anomaly I is associated with high resistivity (1000+ ohm metres) indicative of reduced pore space. Mostly Anomaly I is associated with moderate resistivities of a few hundred ohm metres. The major portion of Anomaly I lies in an area of generally low magnetic field strength, being discontinuously flanked on all sides by magnetic field highs. The western portion of Anomaly I is, however, coincident with a magnetic field high.

Anomaly II

Anomaly II lies immediately south of the baseline and just east of Anomaly I. On the n=1→4 averaged IP response plan, anomalies I and II are joined. Anomaly II is also located in a magnetic field low, and is associated with moderate apparent resistivity (≈ 300 ohm metres).

Anomaly III and IV

Anomalies III and IV lie on the western edge of the grid. They are both associated with high magnetic field strength and moderately high (Anomaly IV) to high (Anomaly III) apparent resistivities.

Anomaly V

Anomaly V lies at the north end of line 0. It is adjacent to a wire fence and pipeline and if either of these are grounded, it may be caused by those features. This could be resolved by resurvey with a shorter spacing.

Anomaly VI

Anomaly VI is centred at about 625S on line 1900E. It gives a moderately high amplitude IP response, and is coincident with high resistivity and locally high magnetic field strength.

Anomalies VII, VIII and IX

Anomaly VII trends from about 300S to the northern edge of the grid on lines 25E and 26E. The anomaly is open to the north. Anomaly VIII is located immediately south of Anomaly VII, and Anomaly IX to the east of VIII. On the n=1 → 4 averaged chargeability plan, Anomalies VII, VIII, IX converge. Anomalies VII and VIII are coincident with a local weak resistivity high (greater than 100 ohm metres), and Anomaly IX with a moderate resistivity high (up to 300 ohm metres). Anomaly VII is associated with high magnetic field strength, Anomaly VIII with a magnetically low area, and Anomaly IX with a magnetic high in the northern portion. The southern portion of Anomaly IX was not covered by the magnetometer survey.

Anomaly X

Anomaly X is located at about 1200S on line 1900E and is open to the east. It is a "shallow" anomaly, and does not show on further separation. It is an area of low magnetic field strength and flanks an area of high resistivity to the south.

CONCLUSIONS

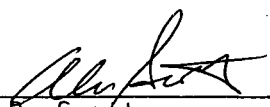
The major portion of the Ajax property was surveyed with multiseparation time domain IP and total field magnetics in the summer of 1980. Several areas of weak to strong chargeability response were detected on the survey, and have been discussed in this report (Anomalies I → X).

There is not, in general, a strong positive correlation of magnetic field highs to chargeability highs. This suggests that the two surveys are seeing different source materials, most likely magnetite content on the magnetics and sulphides for the IP. Where magnetic highs and IP highs correspond, there is presumably some mix of these minerals.

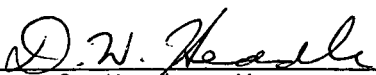
As the IP will be responding to economically uninteresting minerals (e.g. pyrite) as well as copper minerals, selection of targets for testing should not be limited to higher amplitude responses alone. Targets should be selected on the basis of correlation of the geophysical results to geology, geochemistry and past drilling results.

If any diamond drilling is undertaken, downhole resistivity and IP logging should be considered in order to specifically define in situ physical properties and allow a more quantitative assessment of these geophysical results. Failing this, core samples should be kept for such analysis.

Report by: _____


A.R. Scott
Geophysicist

Approved for
Release by: _____


for G. Harden, Manager
Exploration
Western District

ARS/gmk

Distribution:

E & B Exploration	(1)
Western District	(1) ✓
Geophysics File	(1)
Vernon Office	(1)
Administration	(1)
Mining Recorder	(2)

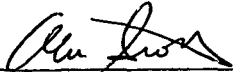
APPENDIX I

IN THE MATTER OF THE B.C. MINERAL ACT
AND IN THE MATTER OF A GEOPHYSICAL PROGRAMME
CARRIED OUT ON PORTIONS OF THE AJAX MONTE-CARLO PROPERTY
LOCATED SOUTHWEST OF KAMLOOPS IN THE KAMLOOPS MINING DIVISION
OF THE PROVINCE OF BRITISH COLUMBIA, MORE PARTICULARLY
NTS: 92I/9

S T A T E M E N T

I, Alan R. 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 annexed hereto and marked as "Appendix II" to this statement is a true copy of expenditures incurred on geophysical survey on the Ajax Monte-Carlo property.
3. THAT the said expenditures were incurred for the purpose of mineral exploration of the above noted claims between the 5th day of May and the 4th day of August, 1980.

Signed: 
Alan R. Scott, Geophysicist

APPENDIX II

STATEMENT OF EXPENDITURES - AJAX PROPERTY

(INDUCED POLARIZATION, MAGNETOMETER SURVEYS, LINECUTTING)

TIME BREAKDOWN: Travel Days - May 5, June 5, 6, 22
 IP/Mag Survey - May 6-16, 18-31, June 23-28
 Mag Survey Only - July 31-August 4 (Burnshaw only)

1. SALARIES:

S. Holland, geophysicist in training,	39 days @ 105 =	\$4,095	
D. Milne, geophysical technician,	39 days @ 105 =	4,095	
E. Burnshaw, IP Crewman,	44 days @ 83 =	3,652	
Y. Fortin, IP Crewman,	39 days @ 83 =	3,237	
D. Campbell, IP Crewman,	39 days @ 83 =	3,237	
J. Allen, IP Crewman,	39 days @ 83 =	<u>3,237</u>	21,553

2. EQUIPMENT RENTALS

7.5 km IP survey system, magnetometer, truck	10,989
--	--------

3. CHARGES PER SURVEY DAY (towards drafting, report, supervision)

35 days IP survey at 175/day	6,125
------------------------------	-------

4. MISCELLANEOUS

Food, gas, lodging, consumables	<u>8,097</u>
---------------------------------	--------------

\$46,764

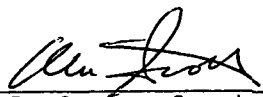


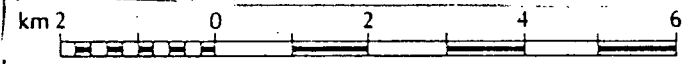
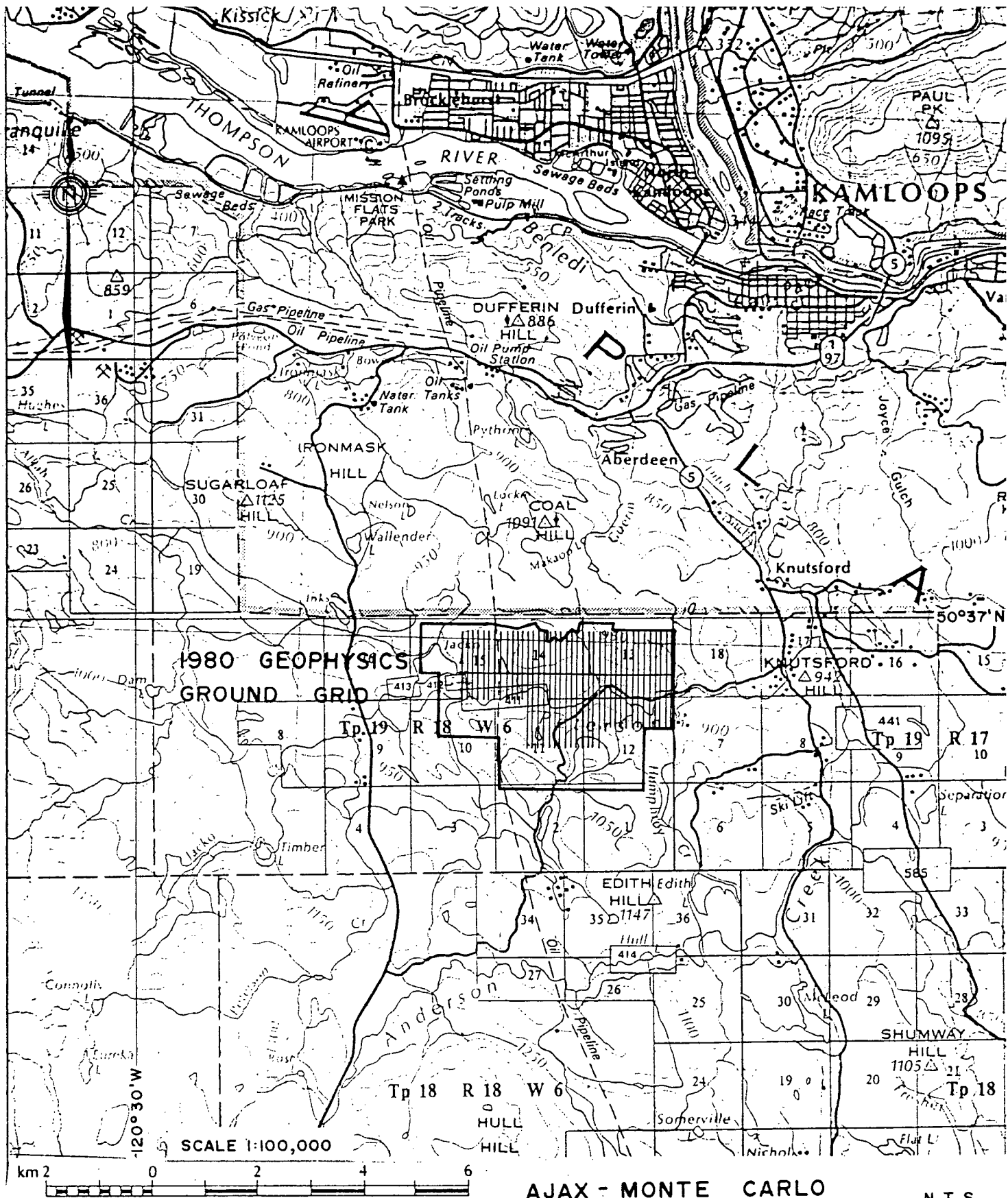
APPENDIX III

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

I, Alan R. Scott, of 4013 West 14th Avenue, 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 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. THAT I have been practising my profession for the past eleven years.

Signed: 
Alan R. Scott, Geophysicist



1 km = 0.6214 mi.
 Contour Interval 50 m
 Universal Transverse Mercator Projection

**AJAX - MONTE CARLO
 PROPERTY**



NTS
 92 I - 9

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

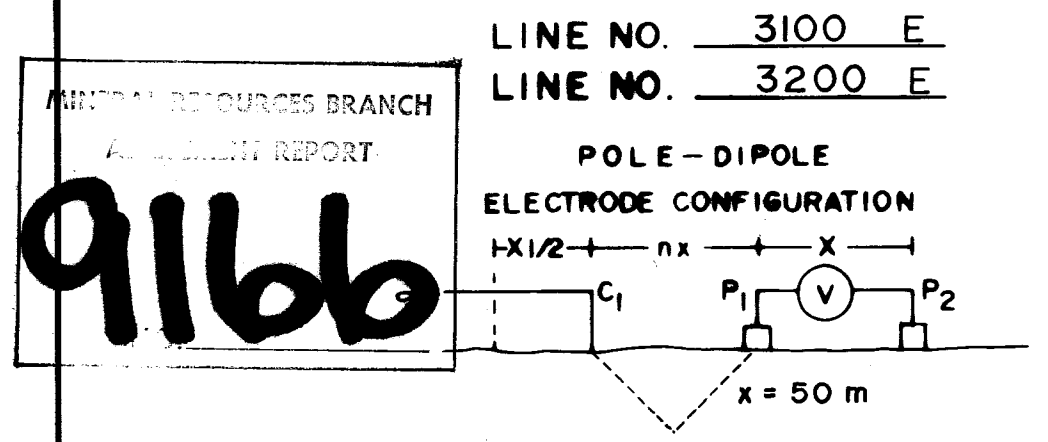
**LOCATION MAP
 KAMLOOPS M.D., B.C.**

Scale: 1:100,000

Date: JULY 1980

Plate: 174 - 80-1

COMINCO LTD.
AJAX-MONTE CARLO PTY.
KAMLOOPS M.D., B.C.



PLOTTING POINT
 n = 1, 2, 3, 4

CURRENT ELECTRODE NORTH OF POTENTIAL DIPOLE

DATE SURVEYED JUNE 12, 1980

CONTOUR INTERVALS:
 APP RES - 1, 5, 2, 3, 5, 7, 10 ohm metres
 APP CHARG - 5.0 Mv/v

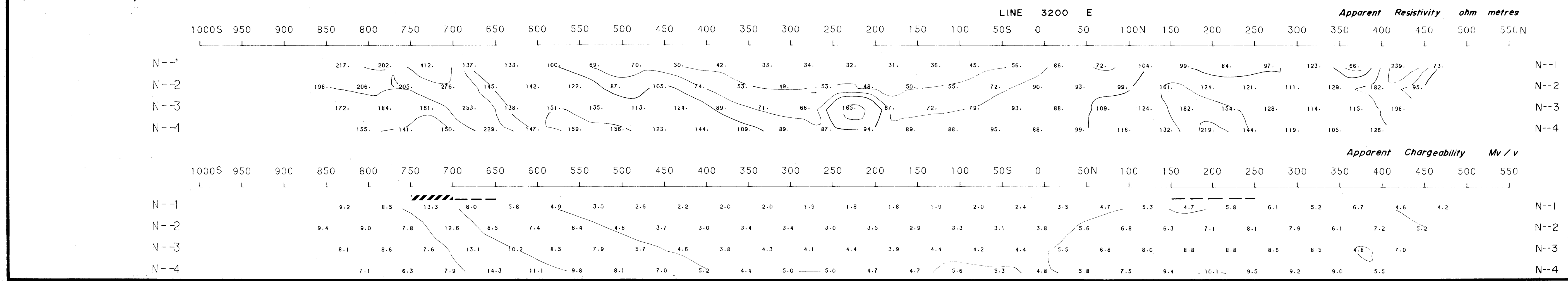
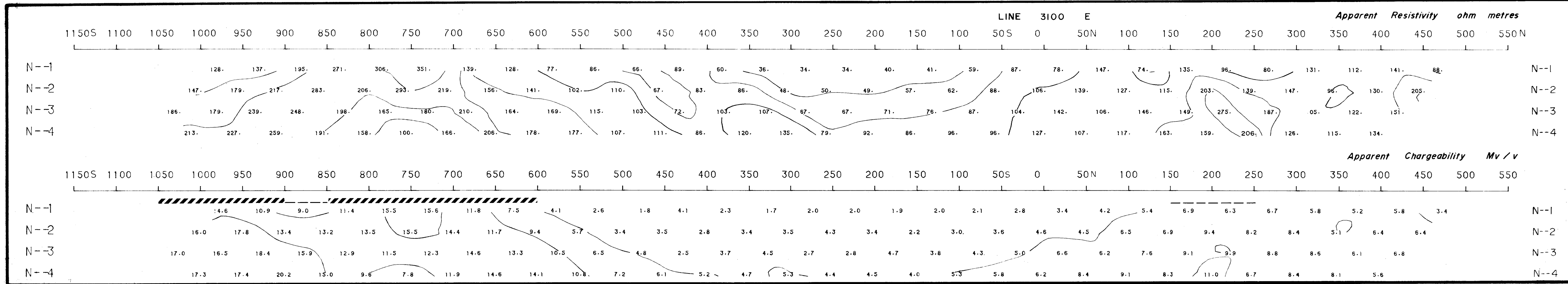
APPROVED _____

DATE _____

TRANSMITTER - HUNTEC 7.5 Kw
 RECEIVER - SCINTREX IPR 8

CHARGEABILITY
 STRONG ██████████
 MODERATE ██████████
 WEAK ██████████

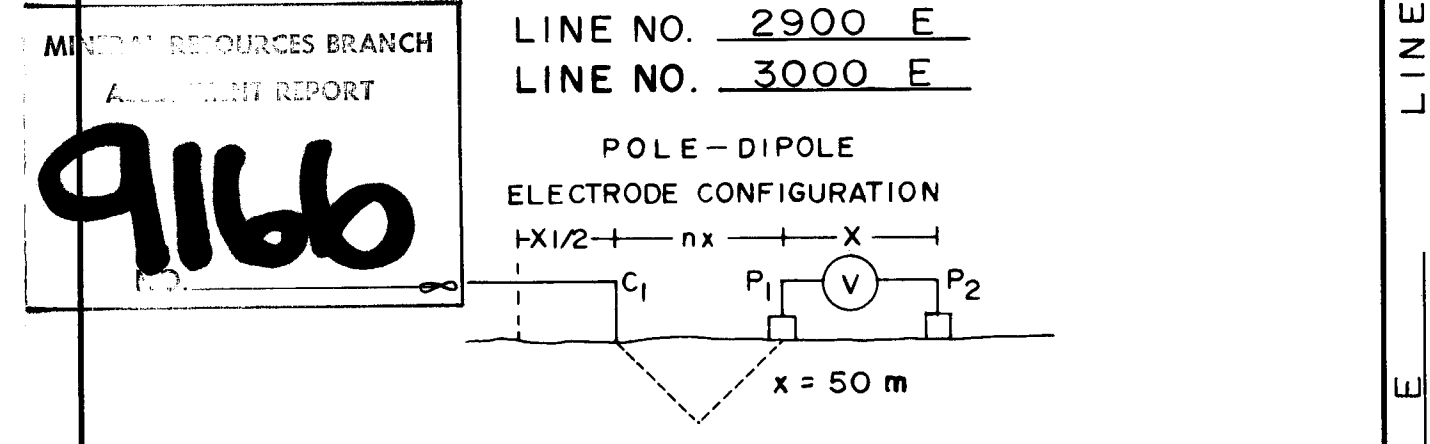
INDUCED POLARIZATION AND RESISTIVITY SURVEY
 SURVEYED BY COMINCO LTD., EXPLORATION DIVISION



LINE 3200 E

LINE 3100 E

COMINCO LTD.
AJAX-MONTE CARLO PTY.
KAMLOOPS M.D., B.C.



PLOTTING POINT
 n = 1, 2, 3, 4

CURRENT ELECTRODE NORTH OF POTENTIAL DIPOLE

DATE SURVEYED MAY 29,30,31, 1980

CONTOUR INTERVALS:
 APP. RES. — 1,5,2,3,5,7,5,10 ohm metres
 APP. CHARG. — 5.0 Mv/v

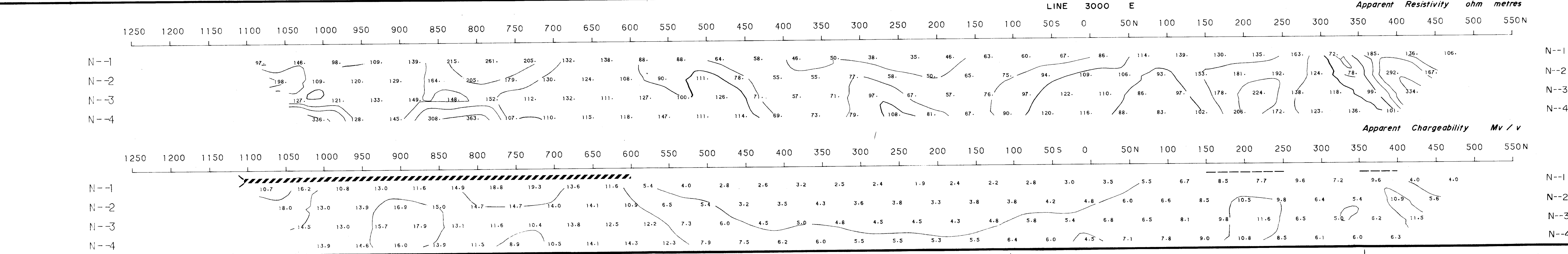
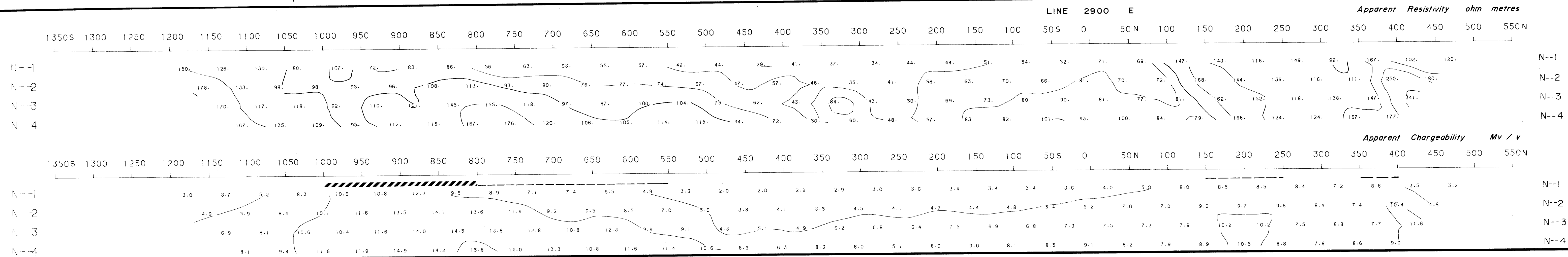
APPROVED _____

DATE _____

TRANSMITTER — HUNTEC 7.5 Kw
 RECEIVER — SCINTREX IPR 8

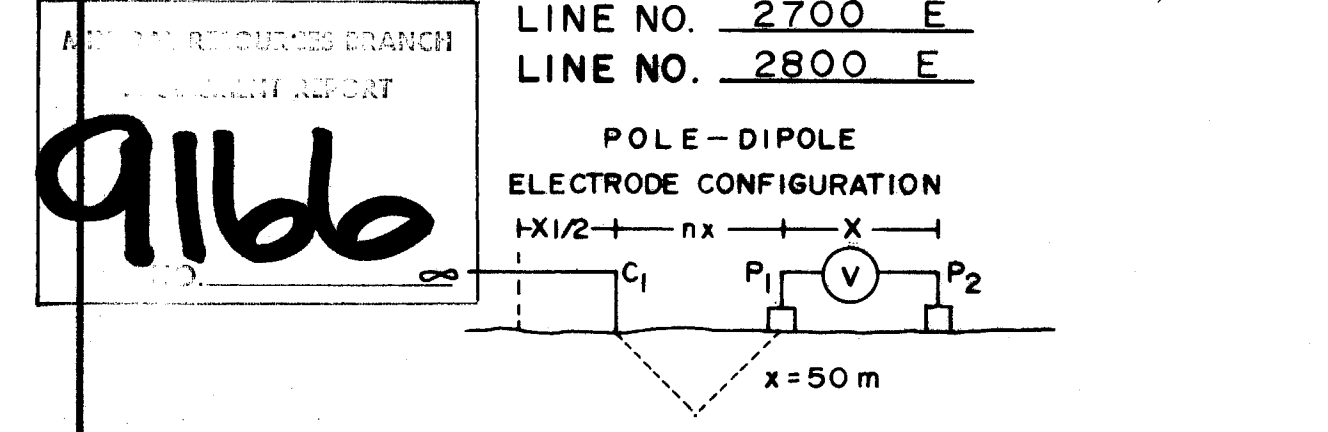
CHARGEABILITY
 STRONG ██████████
 MODERATE ██████████
 WEAK ██████████

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



LINE 3000 E
LINE 2900 E

COMINCO LTD.
AJAX-MONTE CARLO PTY.
KAMLOOPS M.D., B.C.



PLOTTING POINT
 n = 1, 2, 3, 4

CURRENT ELECTRODE NORTH OF POTENTIAL DIPOLE

DATE SURVEYED MAY 27, 28, 1980

CONTOUR INTERVALS:
 APP. RES. — 1, 5, 2, 3, 5, 7, 5, 10 ohm metres
 APP. CHARG. — 5.0 Mv/v

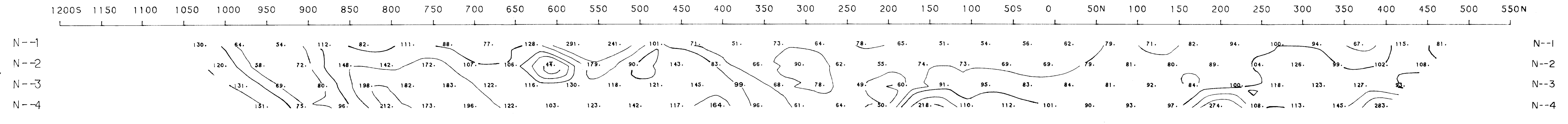
DATE _____

TRANSMITTER — HUNTEC 7.5 Kw.
 RECEIVER — SCINTREX IPR 8

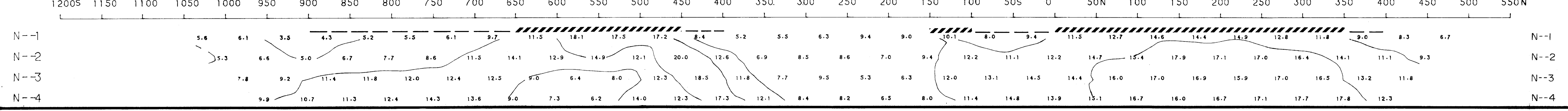
CHARGEABILITY
 STRONG
 MODERATE
 WEAK

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

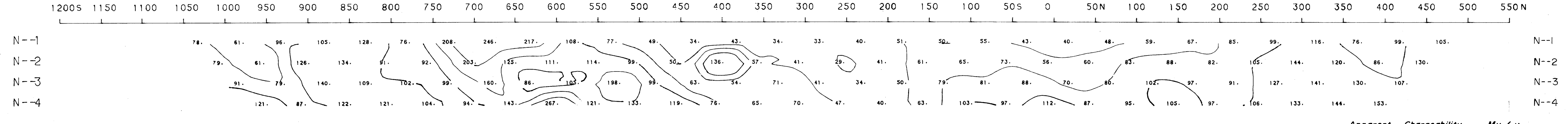
LINE 2700 E



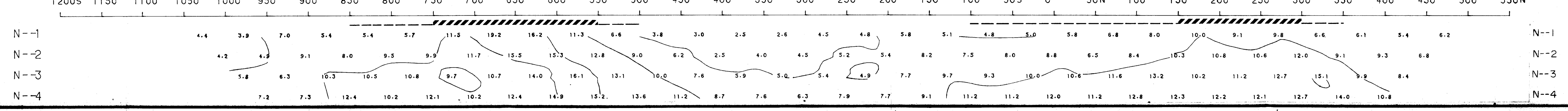
Apparent Chargeability Mv/v



LINE 2800 E



Apparent Chargeability Mv/v

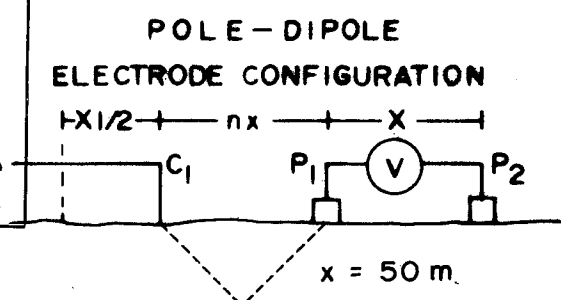


LINE 2800 E
 LINE 2700 E

COMINCO LTD.
AJAX-MONTE CARLO PTY.
KAMLOOPS M.D., B.C.

MINERAL RESOURCES BRANCH
 EXPLORATION REPORT
9166

LINE NO. 2500 E
 LINE NO. 2600 E



PLOTTING POINT
 n = 1, 2, 3, 4

CURRENT ELECTRODE NORTH OF POTENTIAL DIPOLE

DATE SURVEYED MAY 25, 26, 1980

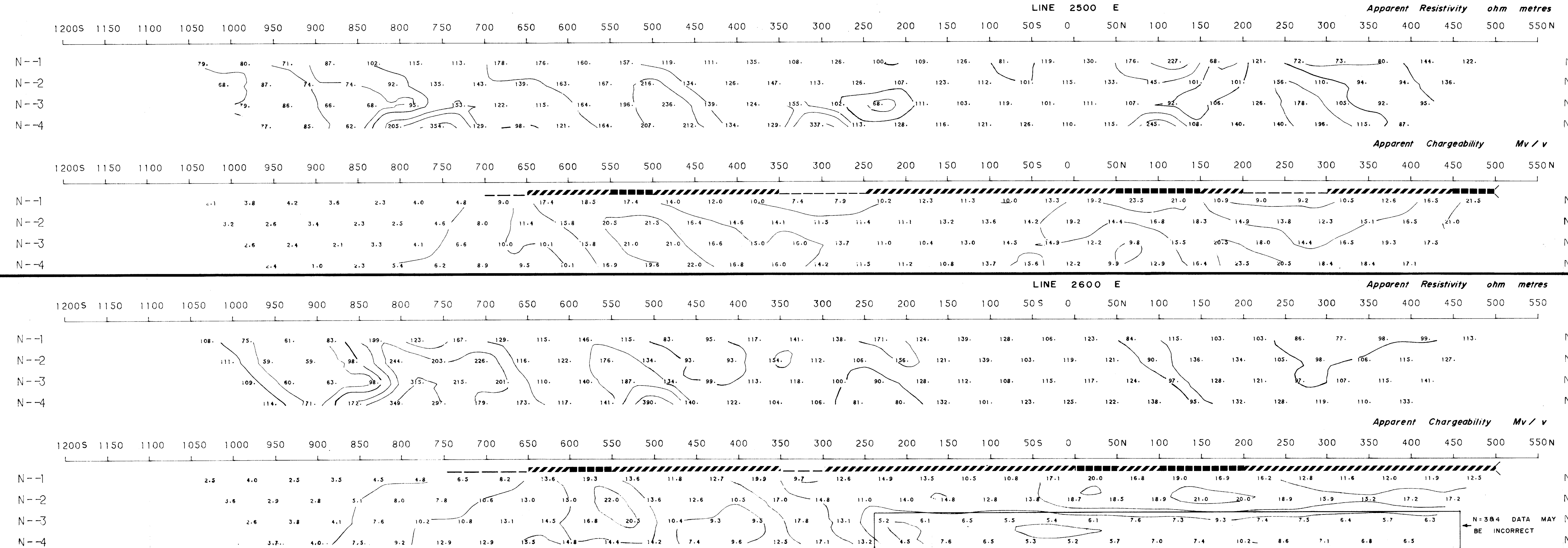
CONTOUR INTERVALS:
 APP. RES. — 1, 5, 2, 3, 5, 7, 5, 10 ohm metres
 APP. CHARG. — 5.0 Mv/v

DATE _____

TRANSMITTER — HUNTEC 7.5 Kw
 RECEIVER — SCINTREX IPR 8

CHARGEABILITY
 STRONG
 MODERATE
 WEAK

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

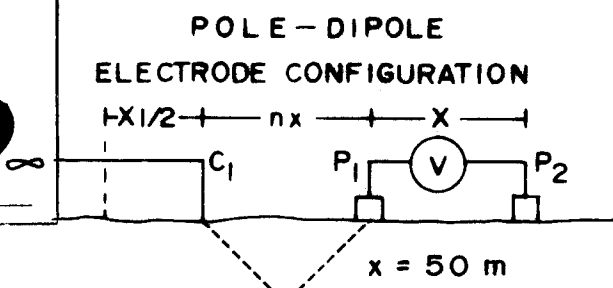


LINE 2600 E
 LINE 2500 E

COMINCO LTD.
AJAX-MONTE CARLO PTY.
KAMLOOPS M.D., B.C.

MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
9166

LINE NO. 2300 E
 LINE NO. 2400 E



PLOTTING POINT
 n = 1, 2, 3, 4

CURRENT ELECTRODE NORTH OF POTENTIAL DIPOLE

DATE SURVEYED MAY 24, 25, 1980

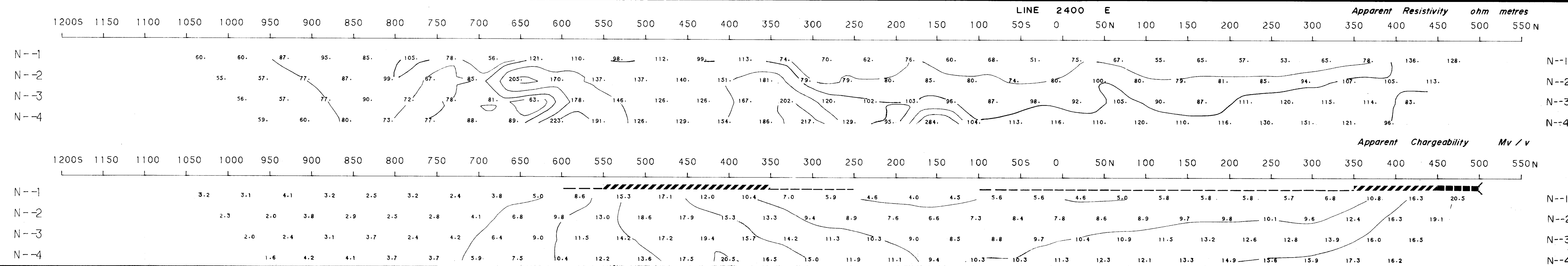
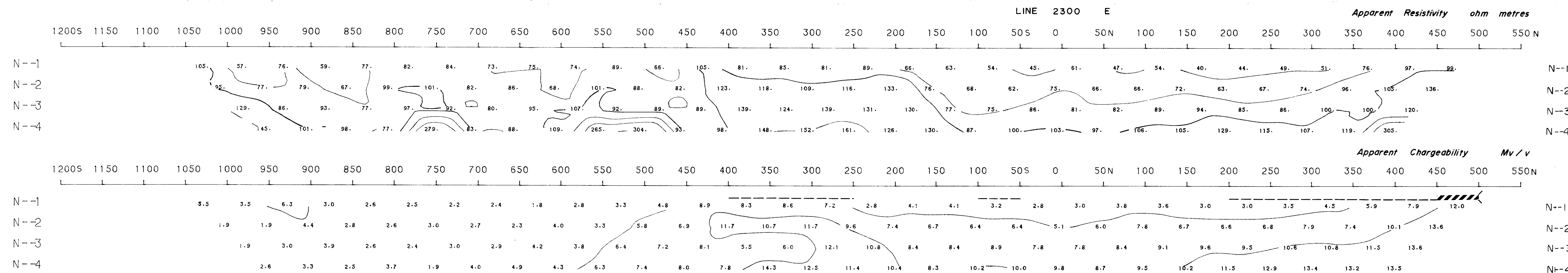
CONTOUR INTERVALS:
 APP RES — 1, 5, 2, 3, 5, 7, 5, 10 ohm metres
 APP CHARG — 5.0 Mv/v

APPROVED _____
 DATE _____

TRANSMITTER — HUNTEC 7.5 Kw
 RECEIVER — SCINTREX IPR 8

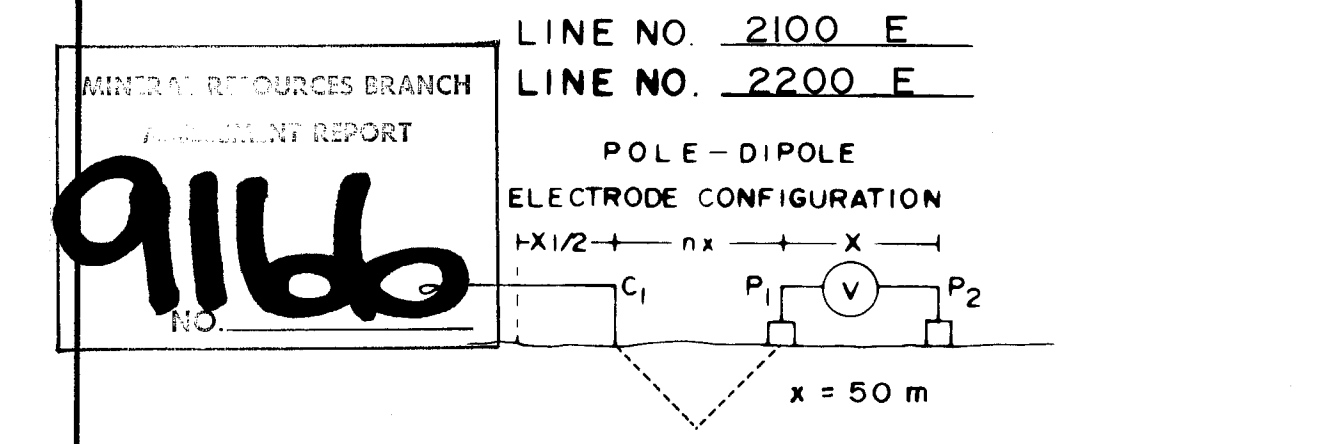
CHARGEABILITY
 STRONG ██████████
 MODERATE ██████████
 WEAK ██████████

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



LINE 2400 E
LINE 2300 E

COMINCO LTD.
AJAX-MONTE CARLO PTY.
KAMLOOPS M.D., B.C.



PLOTTING POINT
 n = 1, 2, 3, 4

CURRENT ELECTRODE NORTH OF POTENTIAL DIPOLE

DATE SURVEYED MAY 22, 23, 1980

CONTOUR INTERVALS:
 APP RES - 1, 5, 2, 3, 5, 7, 5, 10 ohm metres
 APP CHARG - 5.0 Mv/v

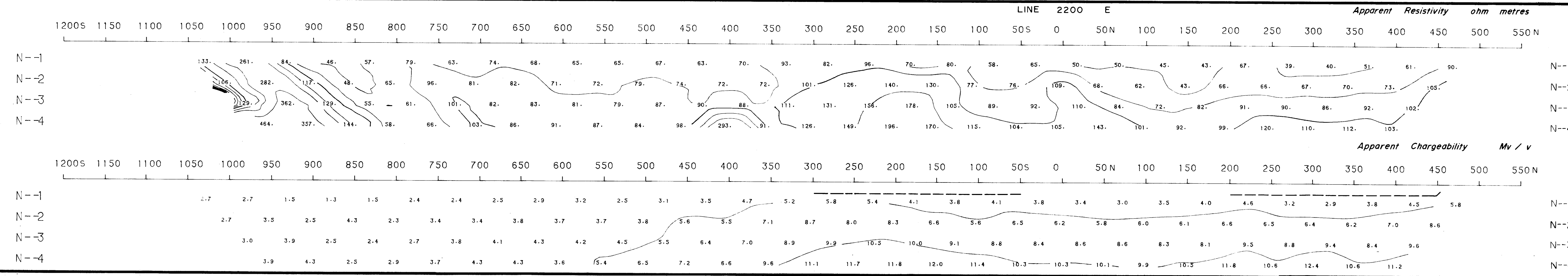
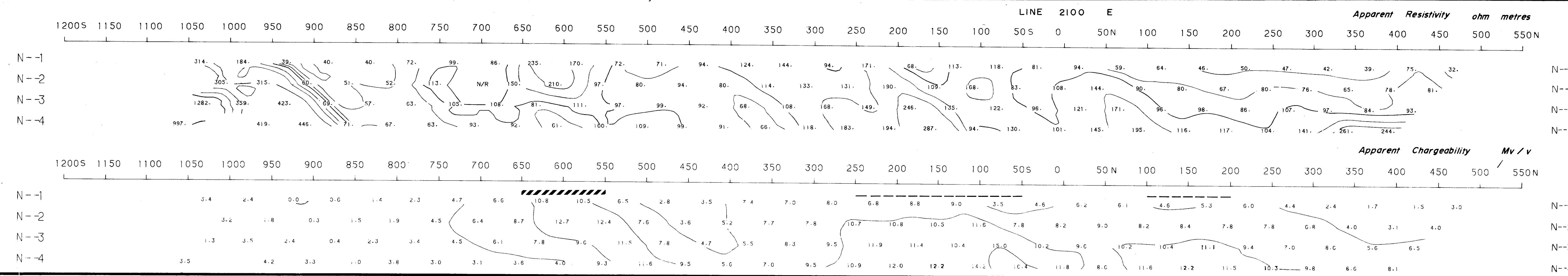
APPROVED _____

DATE _____

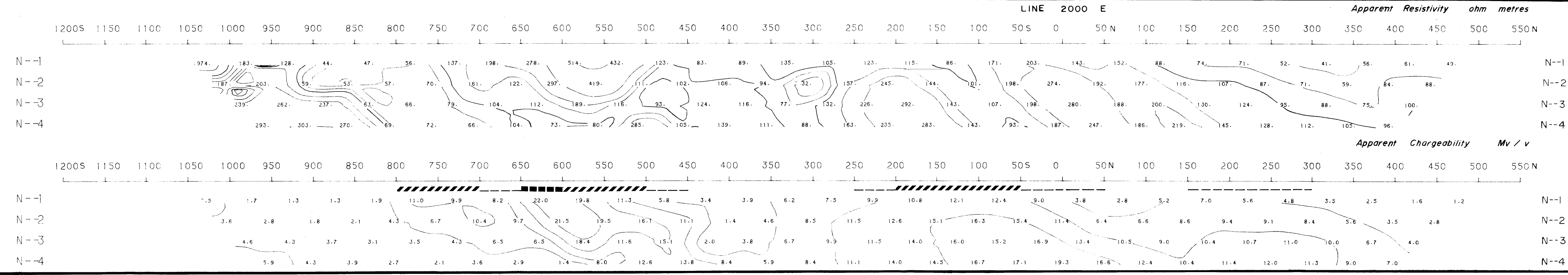
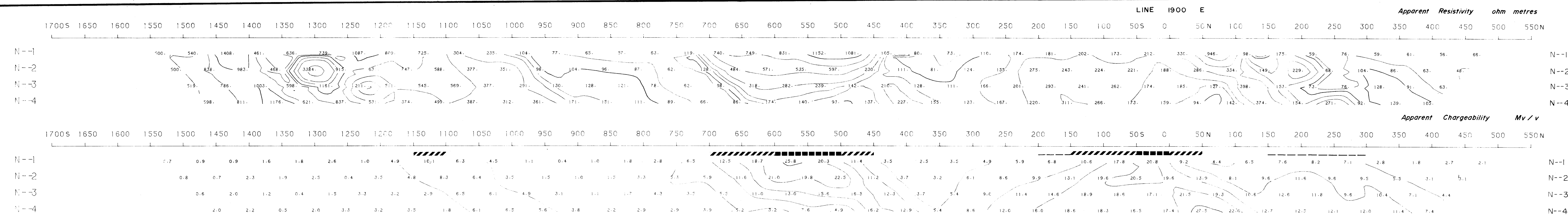
TRANSMITTER - HUNTEC 7.5 Kw
 RECEIVER - SCINTREX IPR 8

CHARGEABILITY
 STRONG ██████████
 MODERATE ██████████
 WEAK ██████████

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



LINE 2100 E

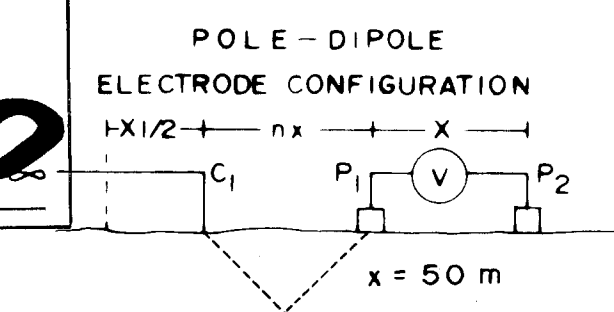


N.T.S. 921-9 DWG. NO. 174-80-9

COMINCO LTD.
AJAX-MONTE CARLO PTY.
KAMLOOPS M.D., B.C.

MINERAL RESOURCES BRANCH
 ANNUAL REPORT
 NO. **9166**

LINE NO. 1900 E
 LINE NO. 2000 E



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

DATE SURVEYED MAY 21, 22, 1980

CONTOUR INTERVALS:
 APP RES — 1, 5, 2, 3, 5, 7, 5, 10 ohm metres
 APP CHARG — 5.0 Mv/v

APPROVED _____
 DATE _____

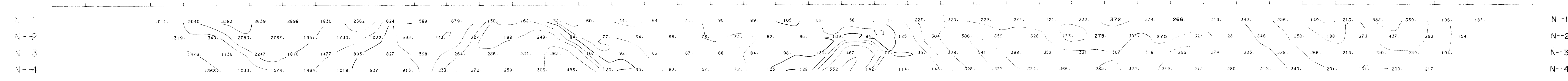
TRANSMITTER — HUNTEC 7.5 Kw
 RECEIVER — SCINTREX IPR 8

CHARGEABILITY
 STRONG ██████████
 MODERATE ██████████
 WEAK ██████████

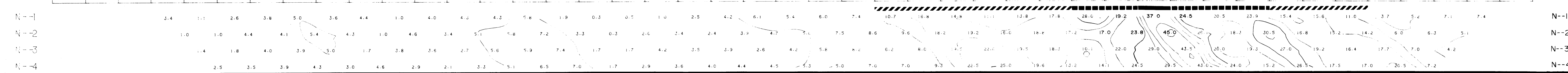
INDUCED POLARIZATION AND RESISTIVITY SURVEY
 SURVEYED BY COMINCO LTD., EXPLORATION DIVISION

LINE 2000 E
 LINE 1900 E

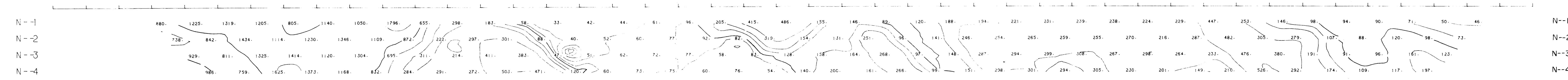
LINE 1700 E
 Apparent Resistivity ohm metres



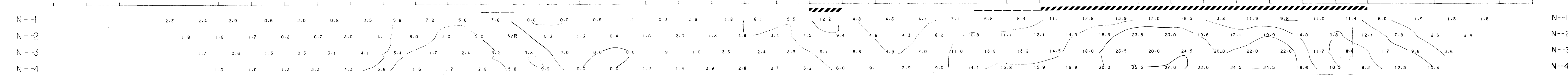
Apparent Chargeability Mv / v



LINE 1800 E
 Apparent Resistivity ohm metres

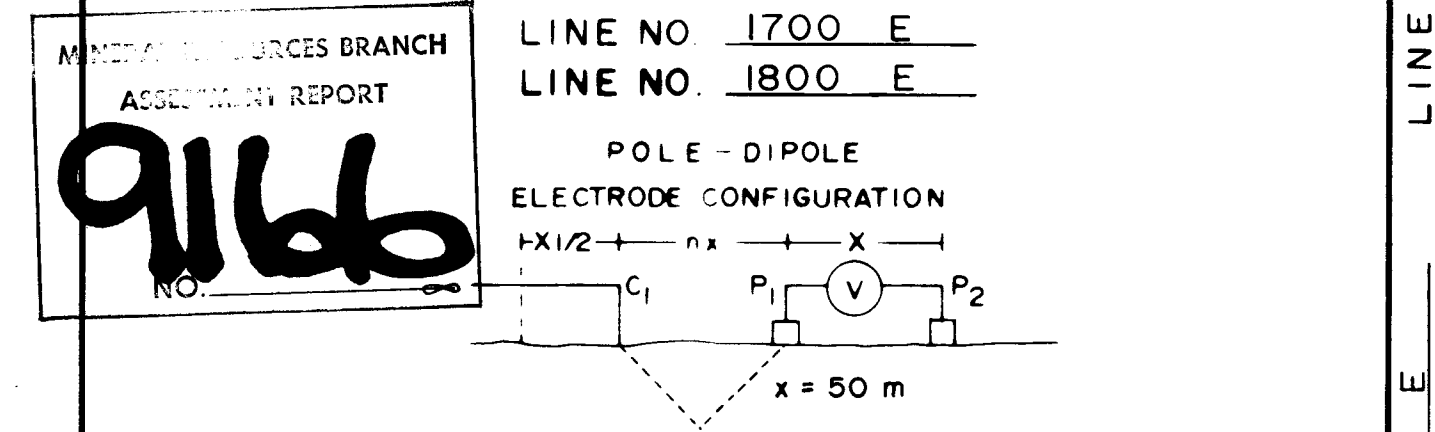


Apparent Chargeability Mv / v



N.T.S. 92 1 - 9 DWG. NO. 174-80-10

COMINCO LTD.
 AJAX-MONTE CARLO PTY.
 KAMLOOPS M.D., B.C.



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

DATE SURVEYED MAY 19, 20, 1980

CONTOUR INTERVALS:
 APP RES - 1, 5, 2, 3, 5, 7, 5, 10 ohm metres APPROVED _____
 APP CHARG - 5.0 Mv/v

DATE _____

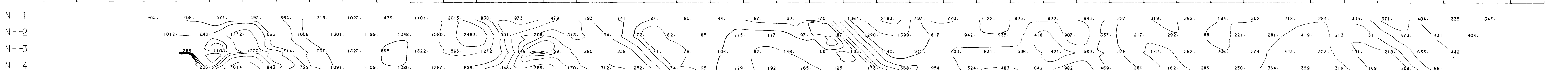
TRANSMITTER - HUNTEC 7.5 Kw
 RECEIVER - SCINTREX IPR 8

CHARGEABILITY
 STRONG ██████████
 MODERATE ██████████
 WEAK ██████████

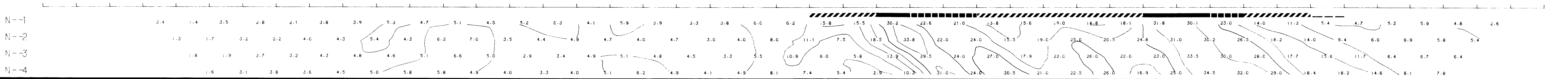
INDUCED POLARIZATION AND RESISTIVITY SURVEY
 SURVEYED BY COMINCO LTD., EXPLORATION DIVISION

LINE 1800 E
 LINE 1700 E

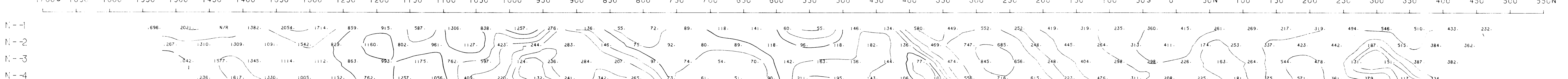
LINE 1500 E
 Apparent Resistivity ohm metres



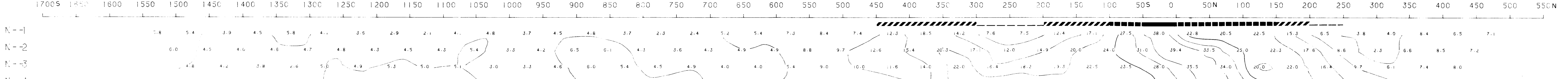
Apparent Chargeability Mv / v



LINE 1600 E
 Apparent Resistivity ohm metres

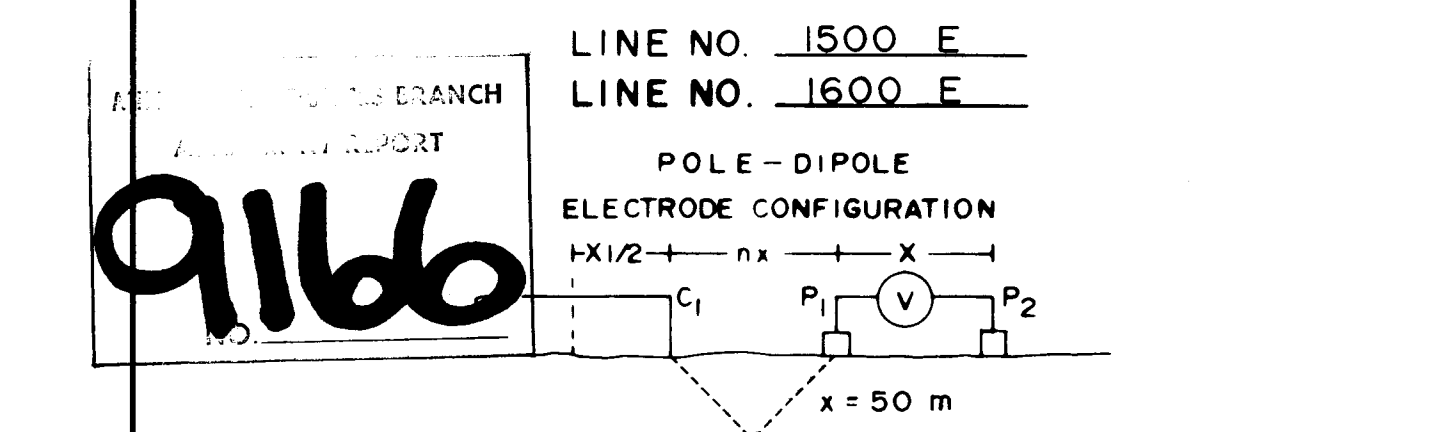


Apparent Chargeability Mv / v



N.T.S. 92 1 - 9 DWG. NO. 174-80-11

COMINCO LTD.
 AJAX-MONTE CARLO PTY.
 KAMLOOPS M.D., B.C.



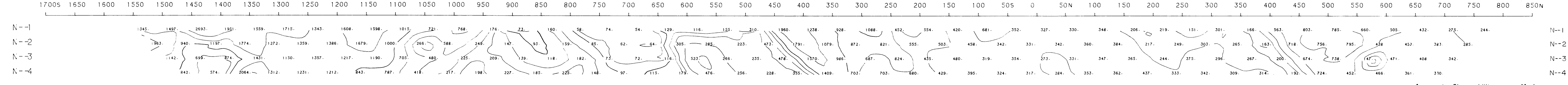
PLOTTING POINT
 n = 1, 2, 3, 4
 CURRENT ELECTRODE NORTH OF POTENTIAL DIPOLE

DATE SURVEYED MAY 16, 18, 1980
 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 - SCINTREX IPR 8
 CHARGEABILITY
 STRONG [Solid black bar]
 MODERATE [Dashed bar]
 WEAK [Hatched bar]

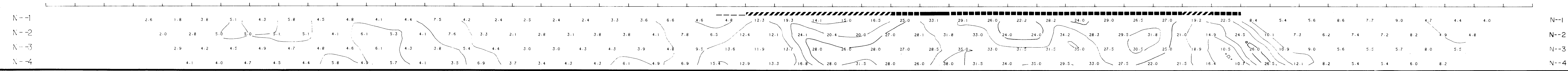
INDUCED POLARIZATION AND RESISTIVITY SURVEY
 SURVEYED BY COMINCO LTD., EXPLORATION DIVISION

LINE 1300 E

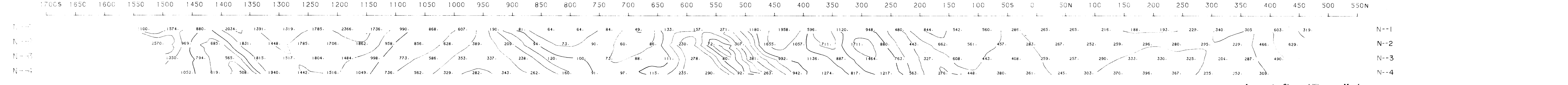


Apparent Resistivity ohm metres

Apparent Chargeability Mv/v

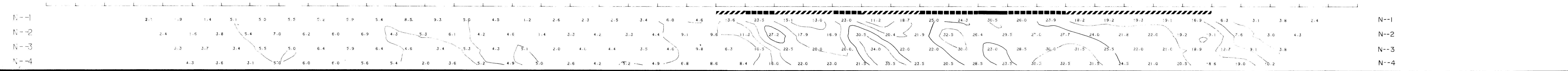


LINE 1400 E



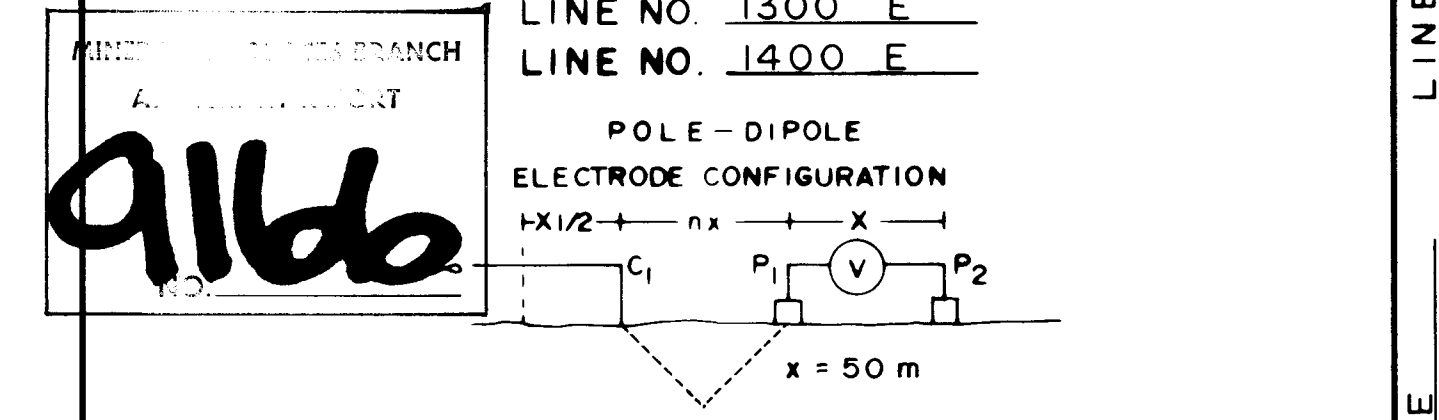
Apparent Resistivity ohm metres

Apparent Chargeability Mv/v



N.T.S. 921-9 DWG. NO. 174-80-12

COMINCO LTD.
AJAX-MONTE CARLO PTY.
KAMLOOPS M.D., B.C.



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

DATE SURVEYED MAY 14, 15, 1980
CONTOUR INTERVALS:
APP RES — 1, 5, 2, 3, 5, 7, 5, 10 ohm metres APPROVED
APP CHARG — 5.0 Mv/v

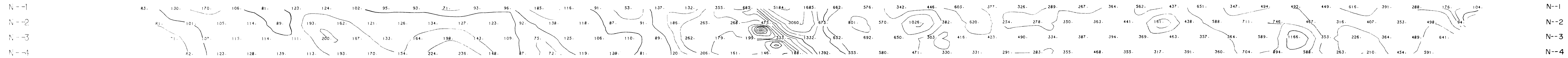
TRANSMITTER — HUNTEC 7.5 Kw
RECEIVER — SCINTREX IPR 8
CHARGEABILITY
STRONG [diagonal lines]
MODERATE [horizontal lines]
WEAK [dotted lines]

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

LINE 1400 E
LINE 1300 E

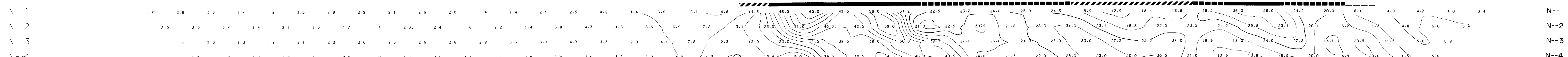
LINE 1100 E Apparent Resistivity ohm metres

1700S 1650 1600 1550 1500 1450 1400 1350 1300 1250 1200 1150 1100 1050 1000 950 900 850 800 750 700 650 600 550 500 450 400 350 300 250 200 150 100 50S 0 50N 100 150 200 250 300 350 400 450 500 550 600 650 700 750N



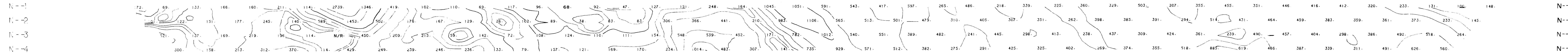
Apparent Chargeability Mv/v

1700S 1650 1600 1550 1500 1450 1400 1350 1300 1250 1200 1150 1100 1050 1000 950 900 850 800 750 700 650 600 550 500 450 400 350 300 250 200 150 100 50S 0 50N 100 150 200 250 300 350 400 450 500 550 600 650 700 750N



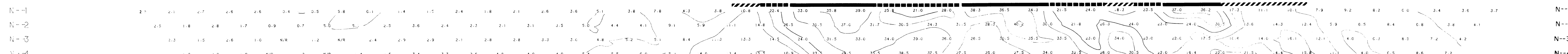
LINE 1200 E Apparent Resistivity ohm metres

1700S 1650 1600 1550 1500 1450 1400 1350 1300 1250 1200 1150 1100 1050 1000 950 900 850 800 750 700 650 600 550 500 450 400 350 300 250 200 150 100 50S 0 50N 100 150 200 250 300 350 400 450 500 550 600 650 700 750 800 850 900N



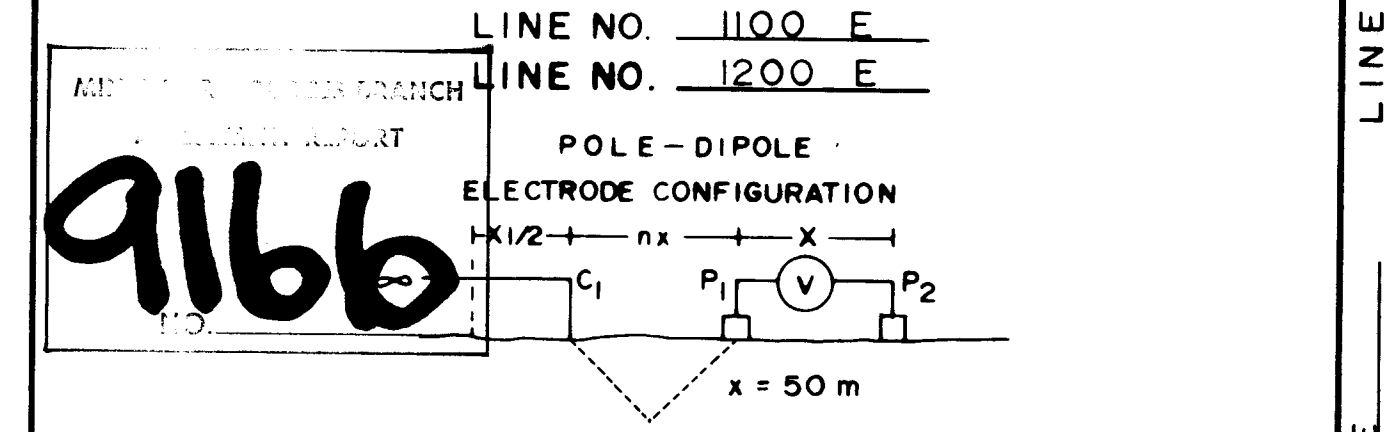
Apparent Chargeability Mv/v

1700S 1650 1600 1550 1500 1450 1400 1350 1300 1250 1200 1150 1100 1050 1000 950 900 850 800 750 700 650 600 550 500 450 400 350 300 250 200 150 100 50S 0 50N 100 150 200 250 300 350 400 450 500 550 600 650 700 750 800 850 900N



N.T.S. 921-9 DWG. NO. 174-80-13

COMINCO LTD.
AJAX-MONTE CARLO PTY.
KAMLOOPS M.D., B.C.



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

DATE SURVEYED MAY 12, 13, 14 1980

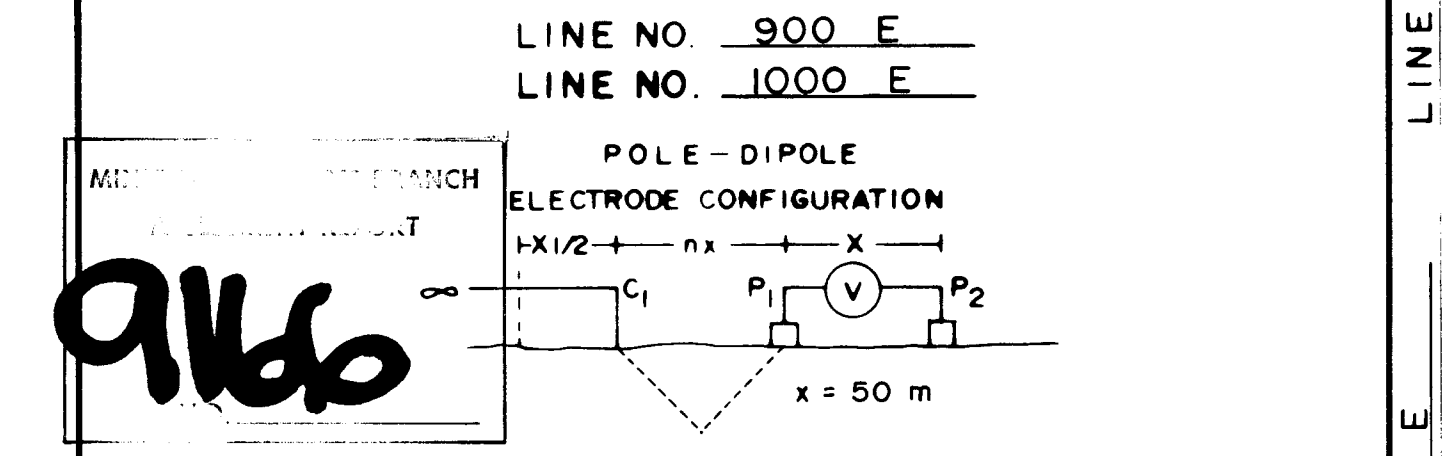
CONTOUR INTERVALS:
APP. RES. — 1, 1.5, 2, 3, 5, 7.5, 10 ohm metres
APP. CHARG. — 5.0 Mv/v

TRANSMITTER — HUNTEC 7.5 Kw
RECEIVER — SCINTREX IPR 8

CHARGEABILITY
STRONG ██████████
MODERATE ██████████
WEAK ██████████

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

COMINCO LTD.
AJAX-MONTE CARLO PTY.
KAMLOOPS M.D., B.C.



PLOTTING POINT
 n = 1, 2, 3, 4

CURRENT ELECTRODE NORTH OF POTENTIAL DIPOLE

DATE SURVEYED MAY 10, 11, 1980

CONTOUR INTERVALS:
 APP RES - 1, 5, 2, 3, 5, 7, 5, 10 ohm metres
 APP CHARG - 5.0 Mv/v

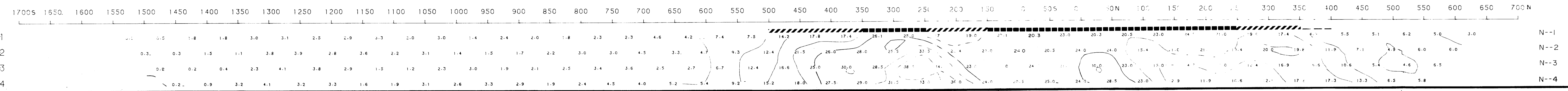
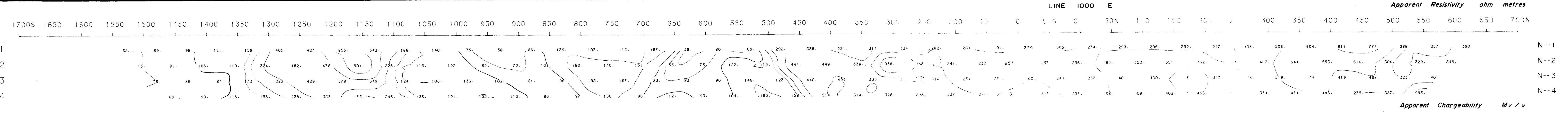
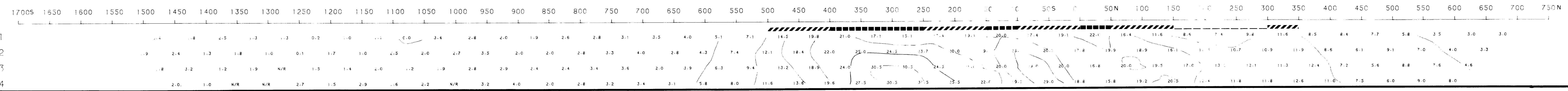
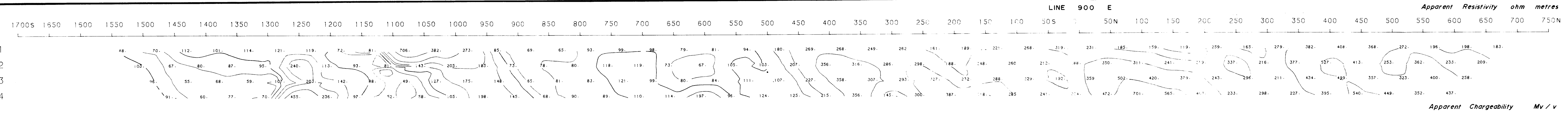
APPROVED _____

DATE _____

TRANSMITTER - HUNTEC 7.5 Kw
 RECEIVER - SCINTREX IPR 8

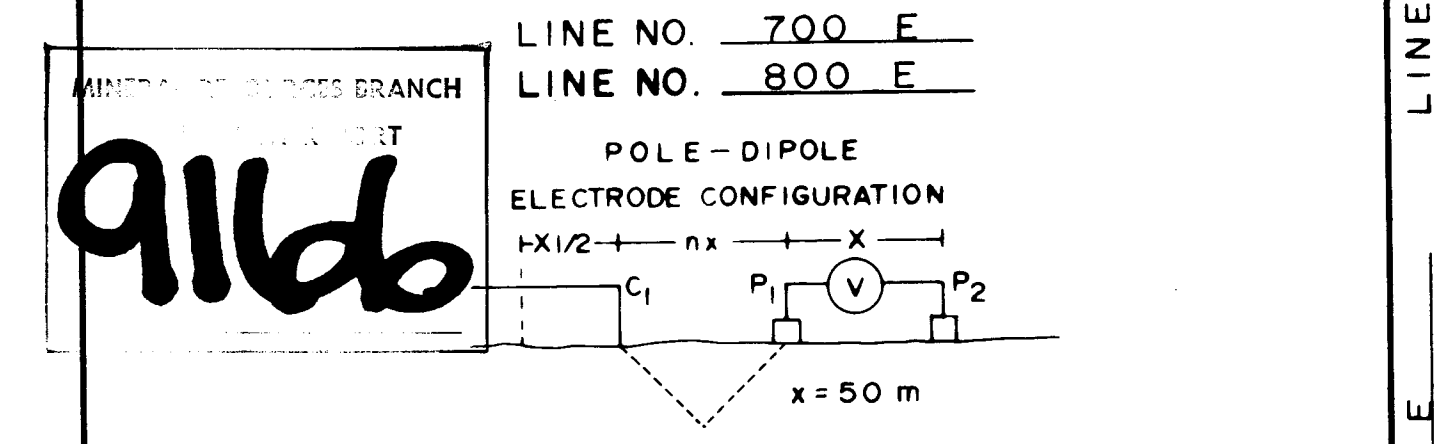
CHARGEABILITY
 STRONG ██████████
 MODERATE ██████████
 WEAK ██████████

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



LINE 1000 E
 LINE 900 E

COMINCO LTD.
AJAX-MONTE CARLO PTY.
KAMLOOPS M.D., B.C.



PLOTTING POINT
 $n = 1, 2, 3, 4$

CURRENT ELECTRODE NORTH OF POTENTIAL DIPOLE

DATE SURVEYED MAY 9, JUNE 3, 1980

CONTOUR INTERVALS:
 APP RES — 1, 5, 2, 3, 5, 7, 5, 10 ohm metres
 APP CHARG — 5.0 Mv/v

APPROVED _____

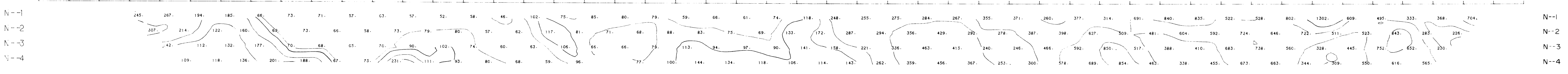
DATE _____

TRANSMITTER — HUNTEC 7.5 Kw
 RECEIVER — SCINTREX IPR 8

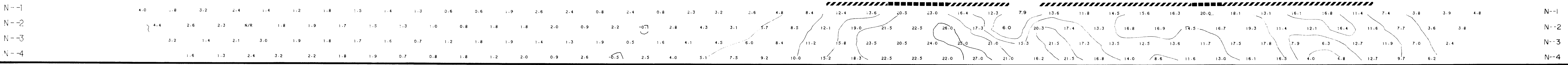
CHARGEABILITY
 STRONG [Solid black bar]
 MODERATE [Dashed bar]
 WEAK [Hatched bar]

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

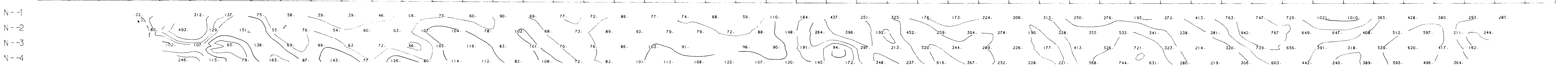
LINE 700 E
 Apparent Resistivity ohm metres



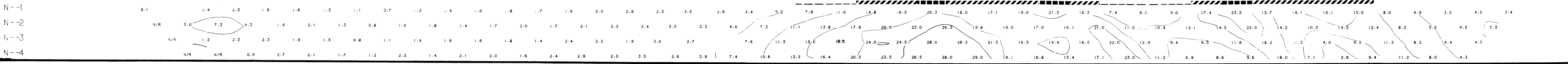
Apparent Chargeability Mv/v



LINE 800 E
 Apparent Resistivity ohm metres

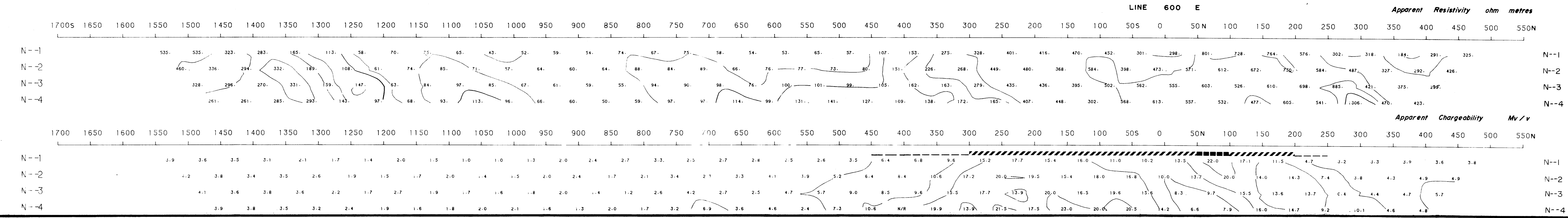
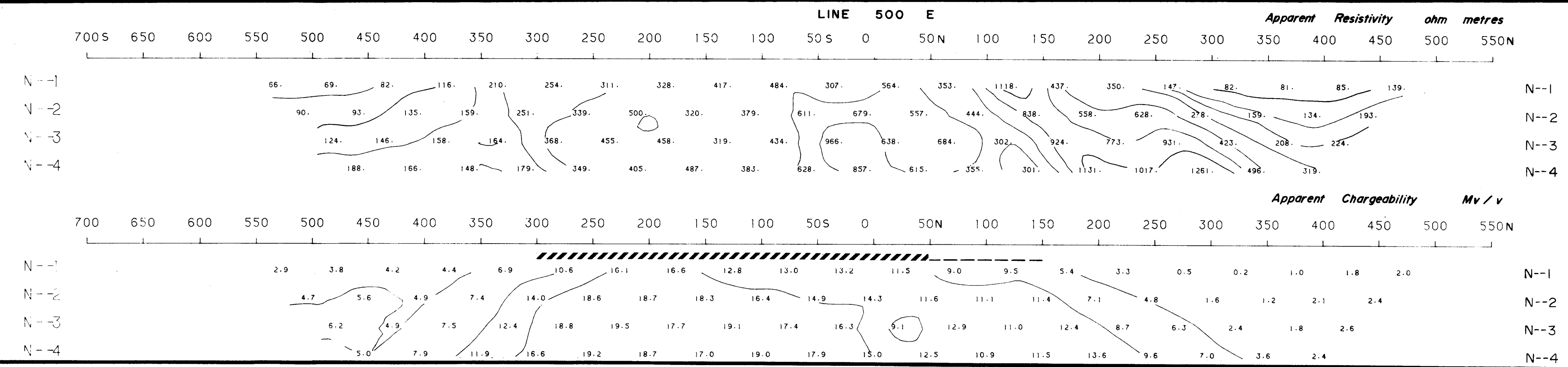
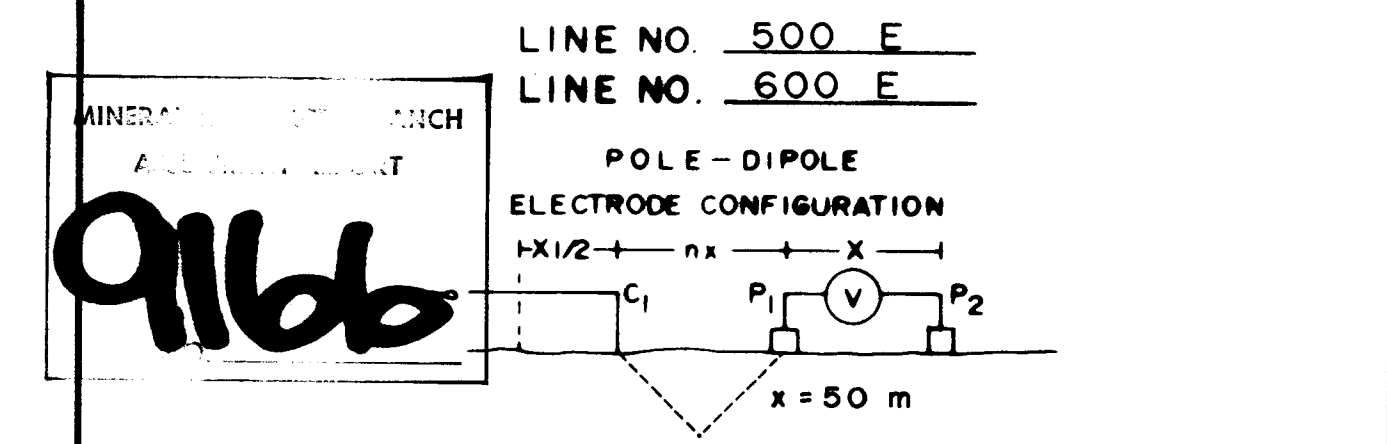


Apparent Chargeability Mv/v



LINE 800 E
LINE 700 E

COMINCO LTD.
AJAX-MONTE CARLO PTY.
KAMLOOPS M.D., B.C.



DATE SURVEYED MAY 6, 1980

CONTOUR INTERVALS:
 APP RES - 1, 5, 2, 3, 5, 7, 5, 10 ohm metres APPROVED _____
 APP CHARG - 5.0 Mv/v

DATE _____

TRANSMITTER - HUNTEC 7.5 Kw
 RECEIVER - SCINTREX IPR 8

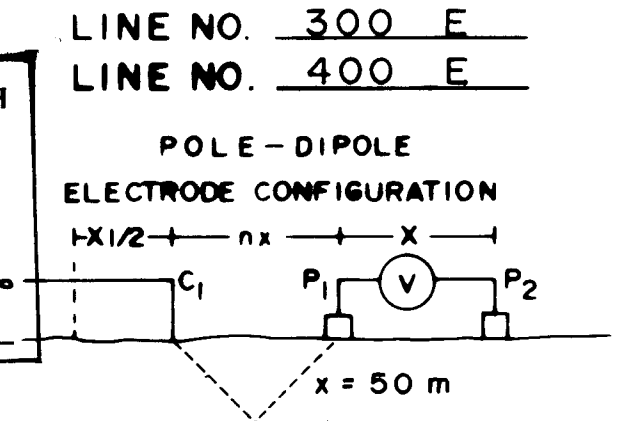
CHARGEABILITY
 STRONG ██████████
 MODERATE ██████████
 WEAK ██████████

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

LINE 500 E

COMINCO LTD.
AJAX-MONTE CARLO PTY.
KAMLOOPS M.D., B.C.

MINERAL BRANCH
 TECHNICAL REPORT
9166



PLOTTING POINT
 n = 1, 2, 3, 4

CURRENT ELECTRODE NORTH OF POTENTIAL DIPOLE

DATE SURVEYED JUNE 2, 3, 27, 28, 1980

CONTOUR INTERVALS:
 APP RES — 1, 5, 2, 3, 5, 75, 10 ohm metres
 APP CHARG — 5.0 Mv/v

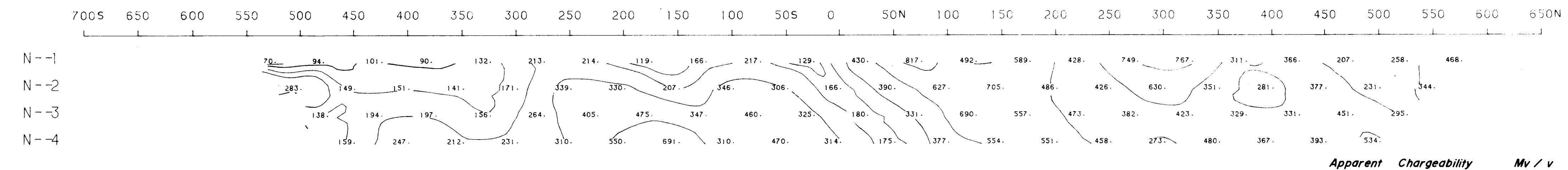
APPROVED _____
 DATE _____

TRANSMITTER — HUNTEC 7.5 Kw
 RECEIVER — SCINTREX IPR 8

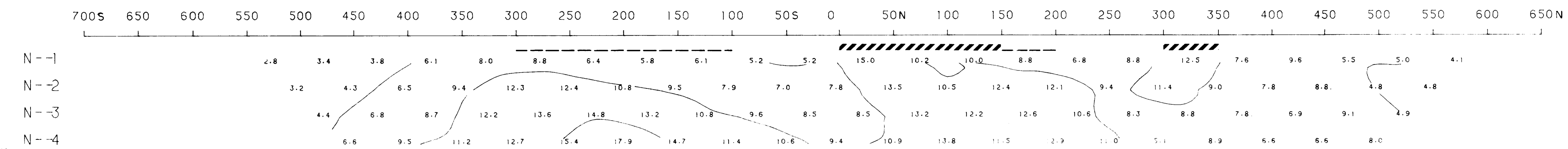
CHARGEABILITY
 STRONG ██████████
 MODERATE ██████████
 WEAK ██████████

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

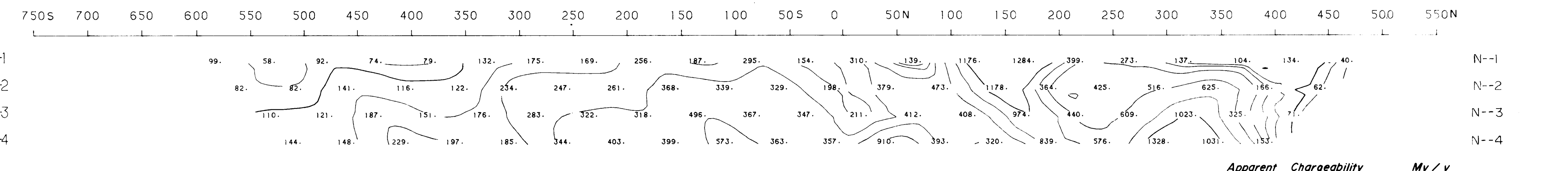
LINE 300 E



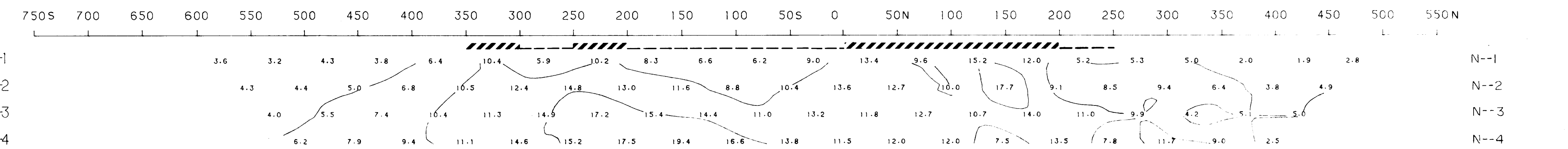
Apparent Chargeability Mv/v



LINE 400 E



Apparent Chargeability Mv/v

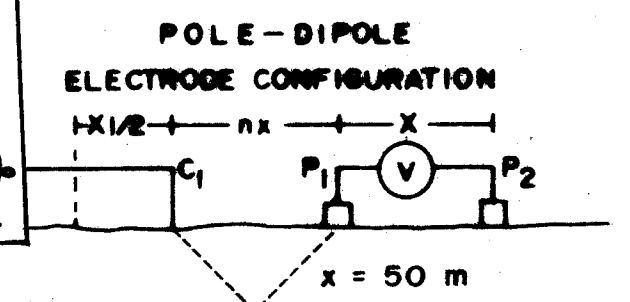


LINE 400 E
 LINE 300 E

COMINCO LTD.
AJAX-MONTE CARLO PTY.
KAMLOOPS M.D., B.C.

LINE NO. 100 E
 LINE NO. 200 E

MINERAL DEVELOPMENT ACT
 ASSESSMENT REPORT
9166



PLOTTING POINT
 n = 1, 2, 3, 4

CURRENT ELECTRODE NORTH OF POTENTIAL DIPOLE

DATE SURVEYED JUNE 26, 27, 1980

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

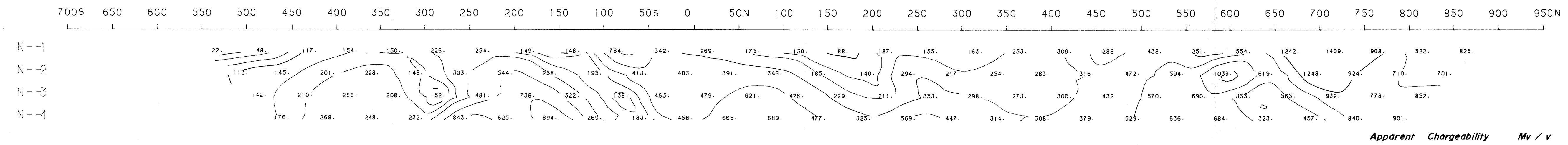
TRANSMITTER — HUNTEC 7.5 Kw
 RECEIVER — SCINTREX IPR 8

CHARGEABILITY
 STRONG
 MODERATE
 WEAK

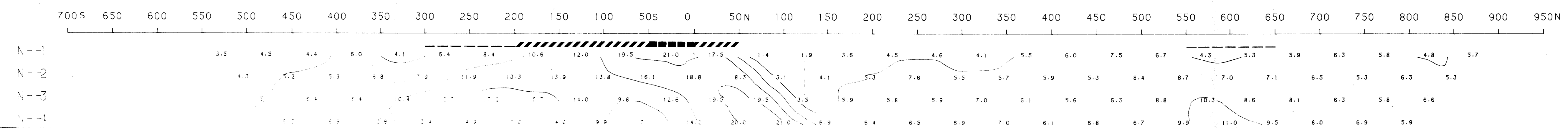
INDUCED POLARIZATION AND RESISTIVITY SURVEY
 SURVEYED BY COMINCO LTD., EXPLORATION DIVISION

LINE 100 E

Apparent Resistivity ohm metres

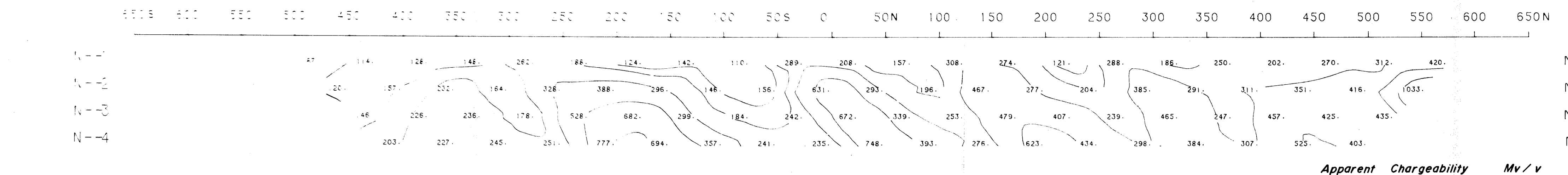


Apparent Chargeability Mv/v

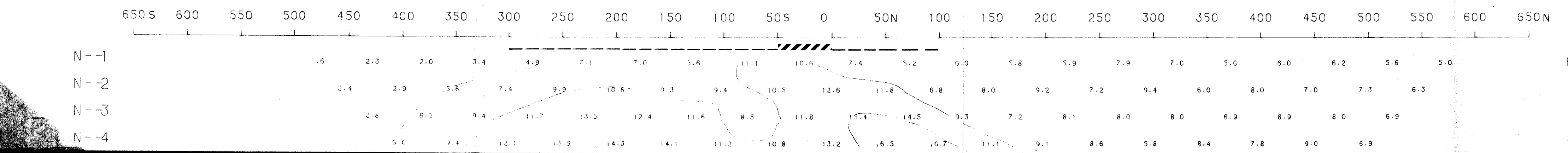


LINE 200 E

Apparent Resistivity ohm metres



Apparent Chargeability Mv/v

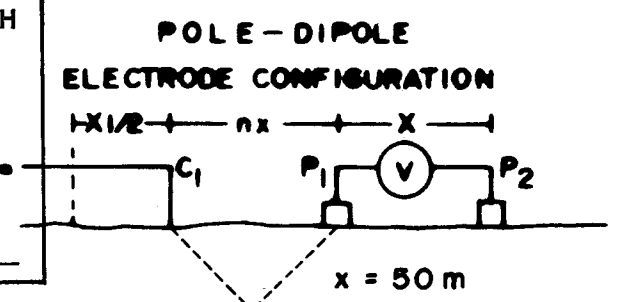


LINE 200 E
 LINE 100 E

COMINCO LTD.
AJAX-MONTE CARLO PTY.
KAMLOOPS M.D., B.C.

LINE NO. 100 W
 LINE NO. 0

MINIMUM RESISTIVITY IN OHMS PER METRE
9166



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

DATE SURVEYED JUNE 25, 26, 1980

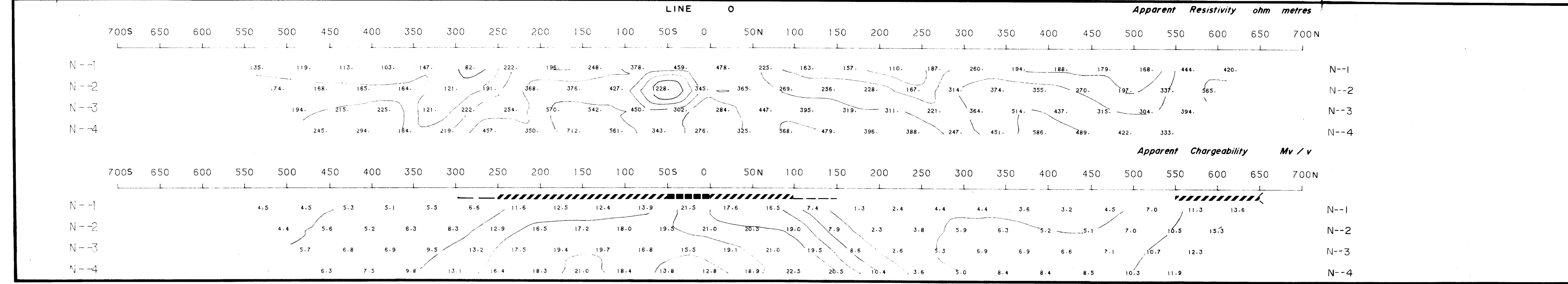
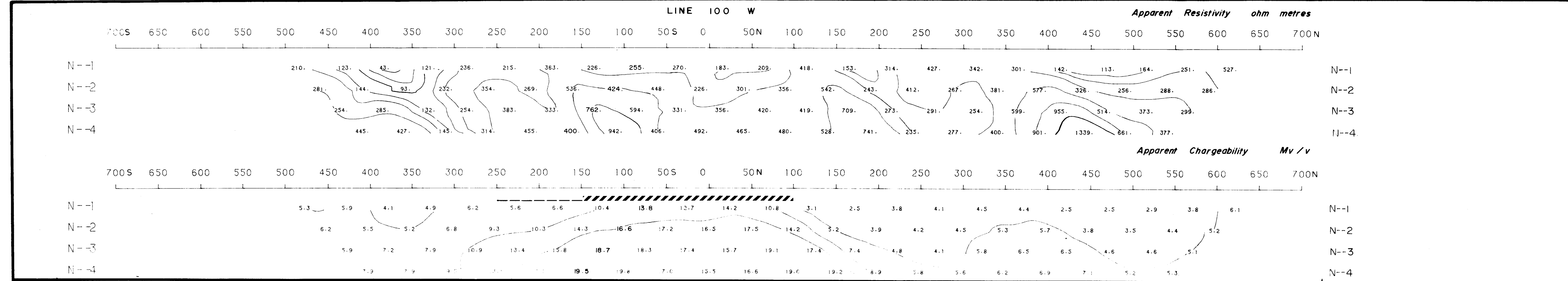
CONTOUR INTERVALS:
 APP RES — 1, 1.5, 2, 3, 5, 7.5, 10 ohm metres
 APP CHARG — 5.0 Mv/v

DATE _____

TRANSMITTER — HUNTEC 7.5 Kw
 RECEIVER — SCINTREX IPR 8

CHARGEABILITY
 STRONG
 MODERATE
 WEAK

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

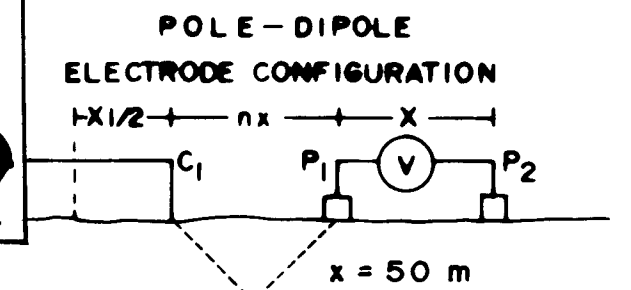


LINE 100 W

COMINCO LTD.
AJAX-MONTE CARLO PTY.
KAMLOOPS M.D., B.C.

LINE NO. 300 W
 LINE NO. 200 W

MINERAL PROPERTY OF COMINCO
 A. S. 174-80-20
9166



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

DATE SURVEYED JUNE 24, 25, 28, 1980

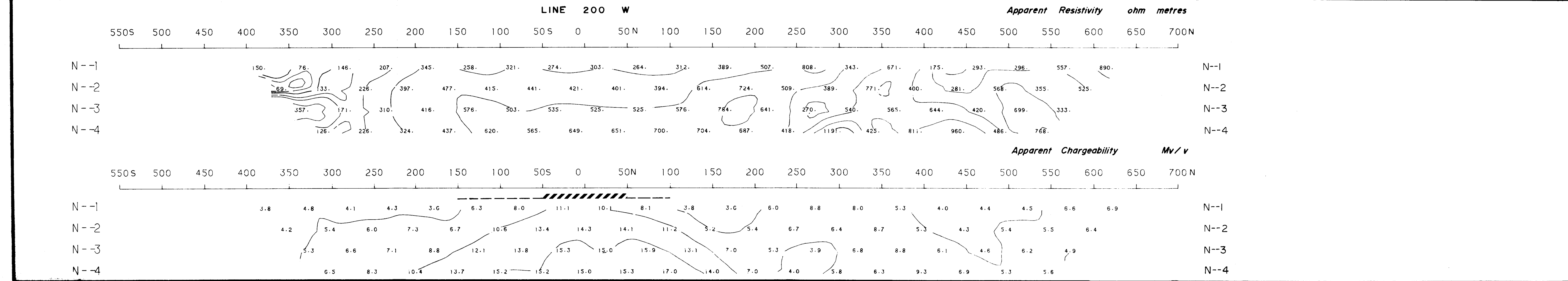
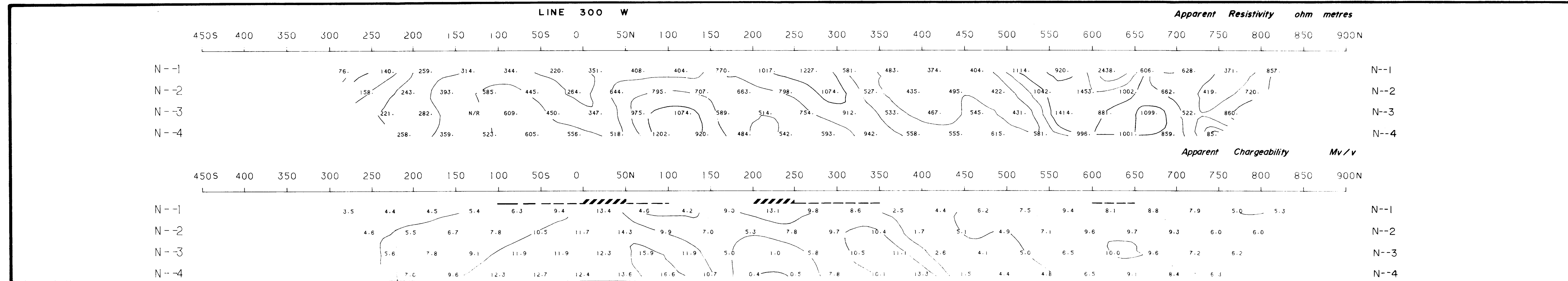
CONTOUR INTERVALS:
 APP RES. — 1, 1.5, 2, 3, 5, 7.5, 10 ohm metres APPROVED _____
 APP CHARG. — 5.0 Mv/v

DATE _____

TRANSMITTER — HUNTEC 7.5 Kw
 RECEIVER — SCINTREX IPR 8

CHARGEABILITY
 STRONG
 MODERATE
 WEAK

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

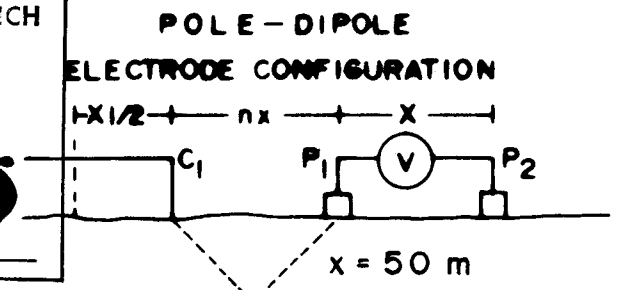


LINE 200 W
 LINE 300 W

COMINCO LTD. AJAX-MONTE CARLO PTY. KAMLOOPS M.D., B.C.

LINE NO. 500 W
LINE NO. 400 W

MINISTRY OF ENERGY
AND ELECTRICITY
9166
M.D.



PLOTTING POINT
n = 1, 2, 3, 4

CURRENT ELECTRODE NORTH OF POTENTIAL DIPOLE

DATE SURVEYED JUNE 23, 24, 28, 1980

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

DATE _____

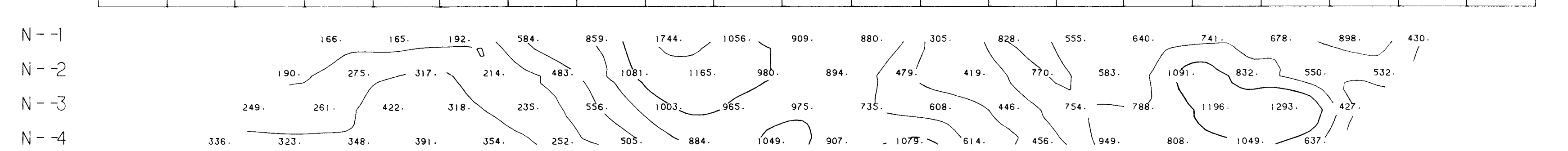
TRANSMITTER - HUNTEC 7.5 Kw
RECEIVER - SCINTREX IPR 8

CHARGEABILITY
STRONG
MODERATE
WEAK

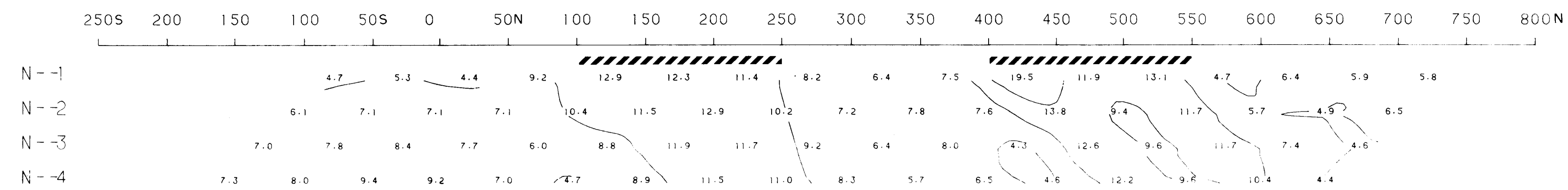
INDUCED POLARIZATION AND RESISTIVITY SURVEY
SURVEYED BY COMINCO LTD., EXPLORATION DIVISION

LINE 500 W

Apparent Resistivity ohm metres

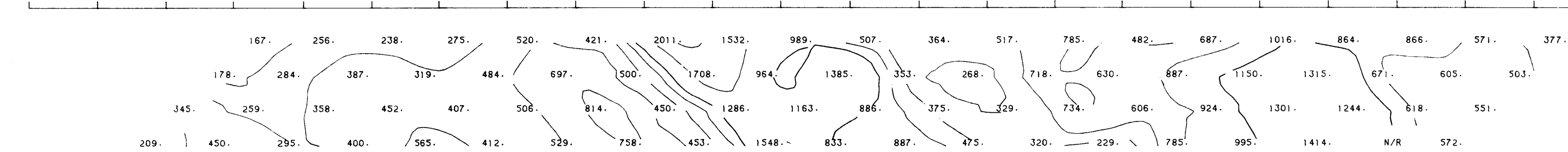


Apparent Chargeability Mv/v

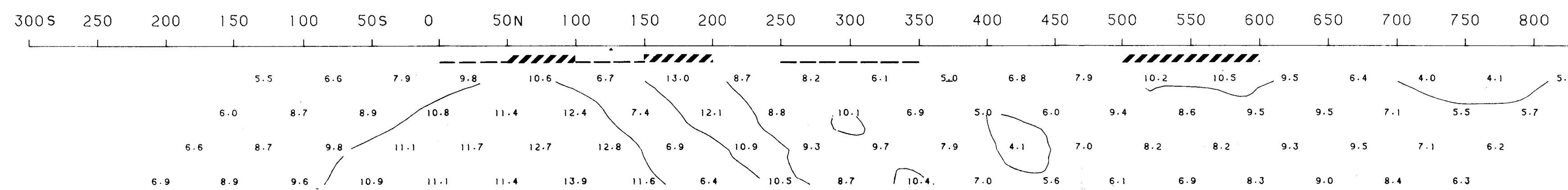


LINE 400 W

Apparent Resistivity ohm metres

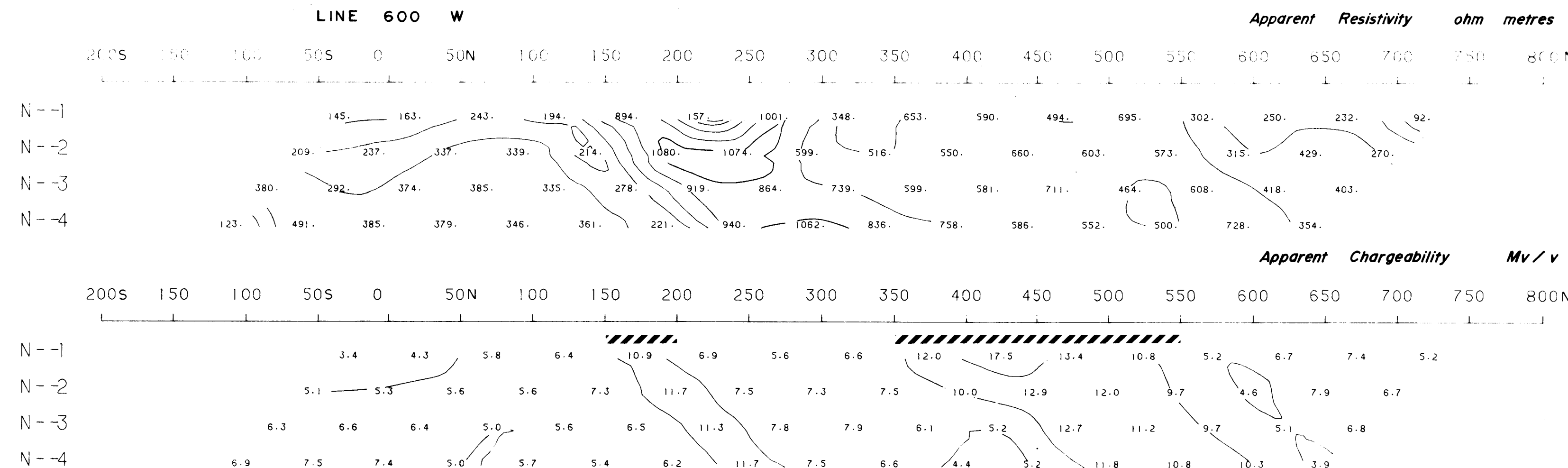


Apparent Chargeability Mv/v

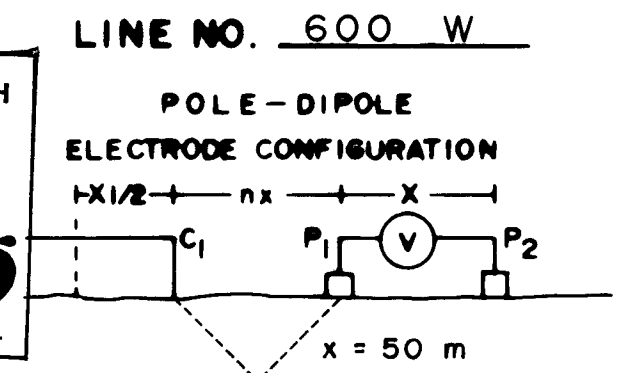


LINE 400 W
LINE 500 W

COMINCO LTD. AJAX-MONTE CARLO PTY. KAMLOOPS M.D., B.C.



MINI-METER
9166



PLOTTING POINT
n = 1, 2, 3, 4

CURRENT ELECTRODE NORTH OF POTENTIAL DIPOLE

DATE SURVEYED JUNE 23, 1980

CONTOUR INTERVALS:
 APP RES. — 1, 1.5, 2, 3, 5, 7.5, 10 ohm metres APPROVED _____
 APP CHARG. — 5.0 Mv/v

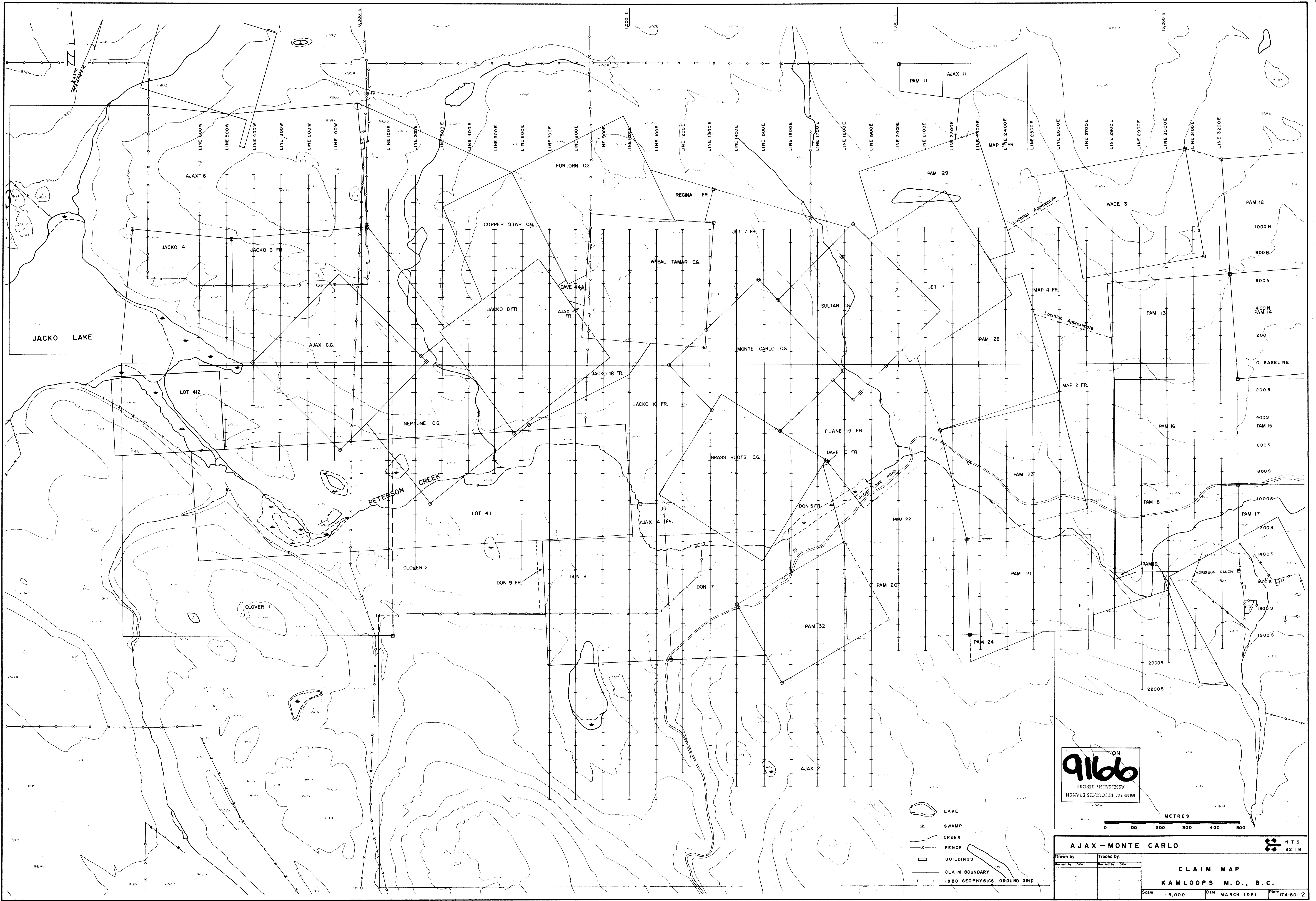
DATE _____


TRANSMITTER — HUNTEC 7.5 Kw
 RECEIVER — SCINTREX IPR 8

CHARGEABILITY
 STRONG
 MODERATE
 WEAK



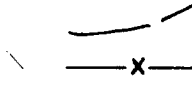
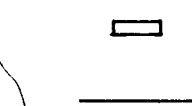
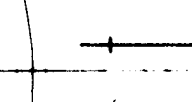

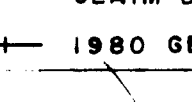
INDUCED POLARIZATION AND RESISTIVITY SURVEY
 SURVEYED BY COMINCO LTD., EXPLORATION DIVISION

LINE 600 W

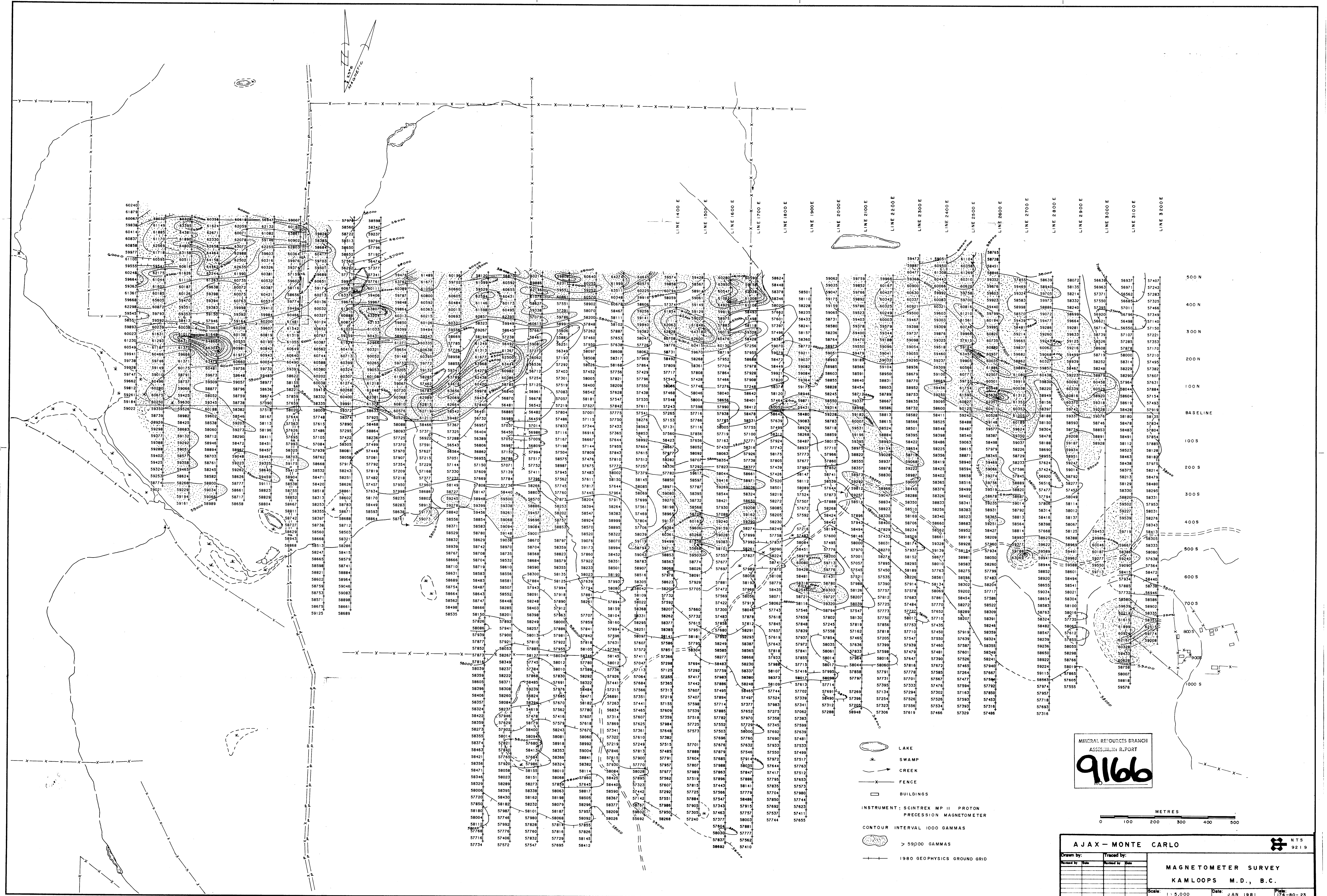



 MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT



-  LAKE
-  SWAMP
-  CREEK
-  FENCE
-  BUILDINGS
-  CLAIM BOUNDARY
-  1980 GEOPHYSICS GROUND GRID

AJAX - MONTE CARLO		N T S 9219	
Drawn by:	Traced by:	CLAIM MAP	
Revised by:	Revised by:	KAMLOOPS M. D., B. C.	
Scale 1:5,000	Date MARCH 1981	Plate 174-80-2	



- LAKE
- SWAMP
- CREEK
- FENCE
- BUILDINGS
- INSTRUMENT: SCINTREX MP II PROTON PRECESSION MAGNETOMETER
- CONTOUR INTERVAL 1000 GAMMAS
- > 59000 GAMMAS
- 1980 GEOPHYSICS GROUND GRID

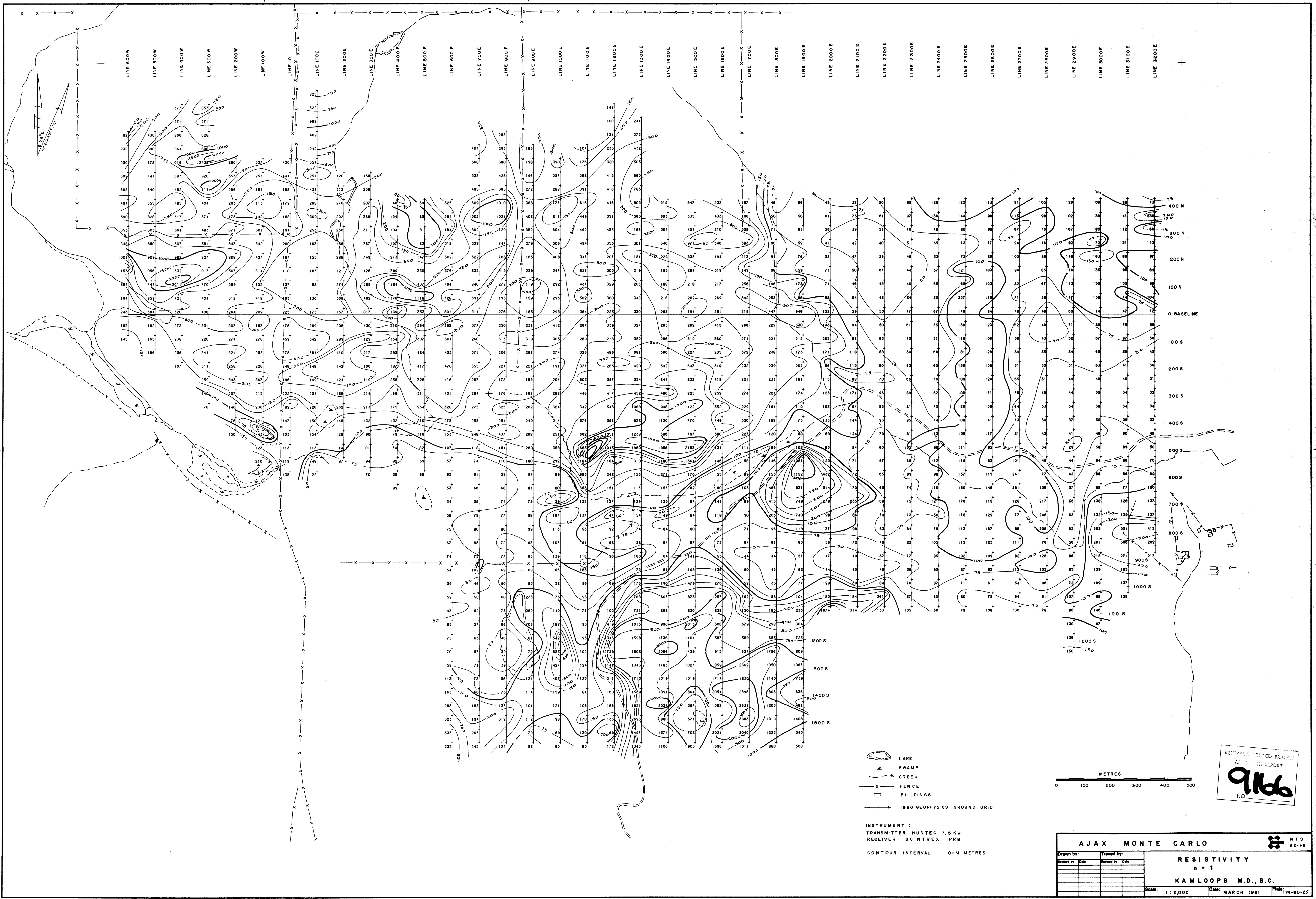
MINERAL RESOURCES BRANCH
ASSESSMENT REPORT

9166

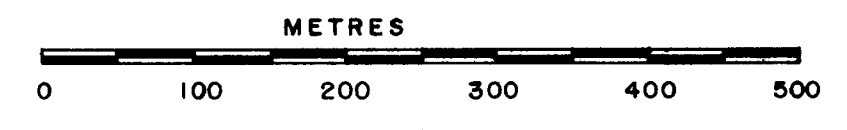
AJAX - MONTE CARLO

MAGNETOMETER SURVEY
KAMLOOPS M.D., B.C.

Scale: 1:5,000 Date: JAN 1981



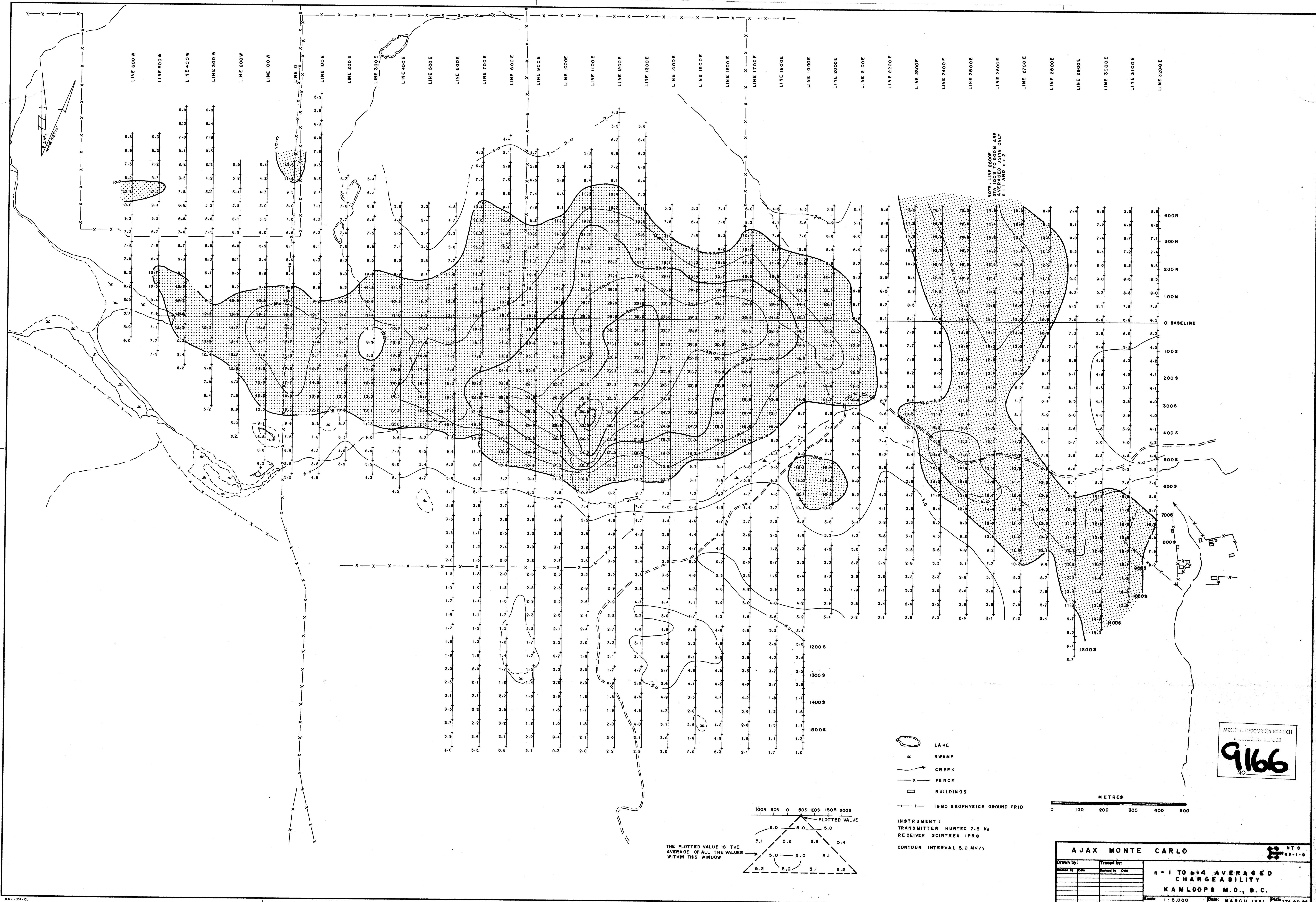
- LAKE
- SWAMP
- CREEK
- FENCE
- BUILDINGS
- 1980 GEOPHYSICS GROUND GRID



INSTRUMENT :
 TRANSMITTER HUNTEC 7.5 KW
 RECEIVER SCINTRIX IPRB
 CONTOUR INTERVAL OHM METRES

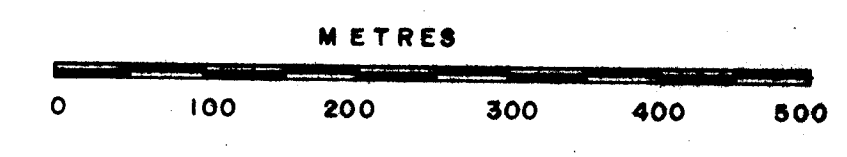
AJAX MONTE CARLO		NTS 92-19					
Drawn by:	Traced by:	RESISTIVITY n = 1					
Checked by:	Checked by:						
KAMLOOPS M.D., B.C.		Scale: 1 : 5,000 Date: MARCH 1981 Plate: 174-80-25					
<table border="1"> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>							

MINERAL RESOURCES BRANCH
 RESISTIVITY REPORT
9166
 NO.



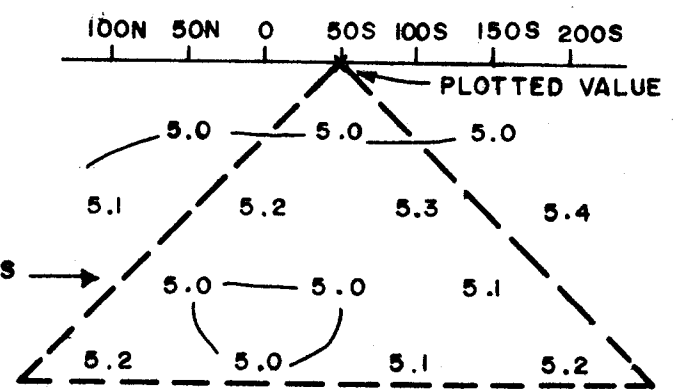
NOTE: LINE 2600E AREA AVERAGED USING ONLY n=1 AND n=2

- LAKE
- SWAMP
- CREEK
- FENCE
- BUILDINGS
- 1980 GEOPHYSICS GROUND GRID



INSTRUMENT:
TRANSMITTER HUNTEC 7.5 Kw
RECEIVER SCINTREX IPR8
CONTOUR INTERVAL 5.0 MV/V

THE PLOTTED VALUE IS THE AVERAGE OF ALL THE VALUES WITHIN THIS WINDOW



MINERAL DISCOVERIES BRANCH
9166
NO.

AJAX MONTE CARLO		NT 3 92-1-9
Drawn by:	Traced by:	
Checked by:	Reviewed by:	
n = 1 TO n = 4 AVERAGED CHARGEABILITY		
KAMLOOPS M.D., B.C.		
Scale: 1:5,000	Date: MARCH 1981	Plate: 174-80-28