



52F055E0051 2.8303 ROWAN LAKE

010

GEOPHYSICAL REPORT

on the

MONTE-CRISTO PROPERTY, KENORA MINING DIVISION

for

NUINSCO RESOURCES LTD

By: **Rayan Exploration Ltd**
North Bay, Ontario
May 11, 1984

R.J. Meikle

*Final
2.3860*

RECEIVED
JUL 25 1985
MINING LANDS SECTION

TABLE C



52F055E0051 2.8303 ROWAN LAKE

010C

		<u>Page</u>
1.	Introduction	1
2.	Location and Access	2
3.	Personnel	3
4.	Geology	4
5.	Induced Polarization Survey	5-6
6.	Data Presentation	7
7.	Results	8-10
8.	Recommendations	11-12
	Certificate	13

LIST OF MAPS

- | | |
|-----------|-------------------------------|
| Map No. 1 | I.P. Chargeability N=4 |
| Map No. 2 | I.P. Apparent Resistivity N=4 |
| Map No. 3 | I.P. Compilation Map |

LIST OF FIGURES

- | | |
|-----------|-----------------------|
| Fig No. 1 | Location Map |
| Fig No. 2 | Property Location Map |

1. INTRODUCTION

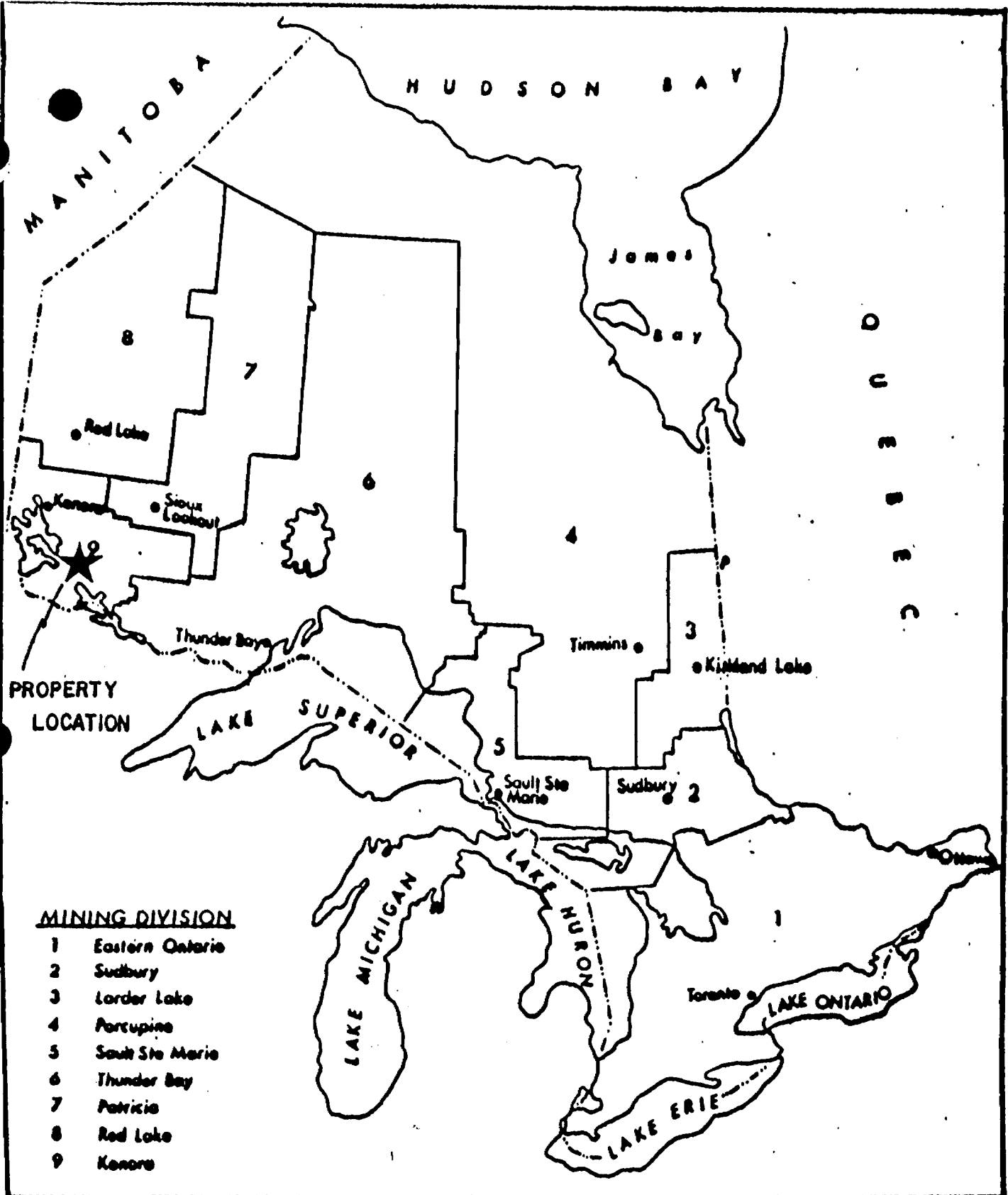
An Induced Polarization survey was conducted on the Monte - Cristo property for Nuinsco Resources between March 8 and April 7, 1984. The work was performed by Rayan Exploration on a contract basis.

The purpose of the survey was to extend the previous I.P. coverage to the east and west, in hope of tracing the main shear zone under the water.

2. LOCATION AND ACCESS

The property is located approximately 25 air miles NE of Nestor Falls, Kenora Mining Division, Ontario. The property consists of a group of contiguous claims with Sullivan Bay running through the centre. Claim location, status etc. is dealt with in the separate report by J. Goodwin.

Access to the property is via float, ski plane from Nestor Falls or by winter road across Kukagi Camaeron Lake if plowed.

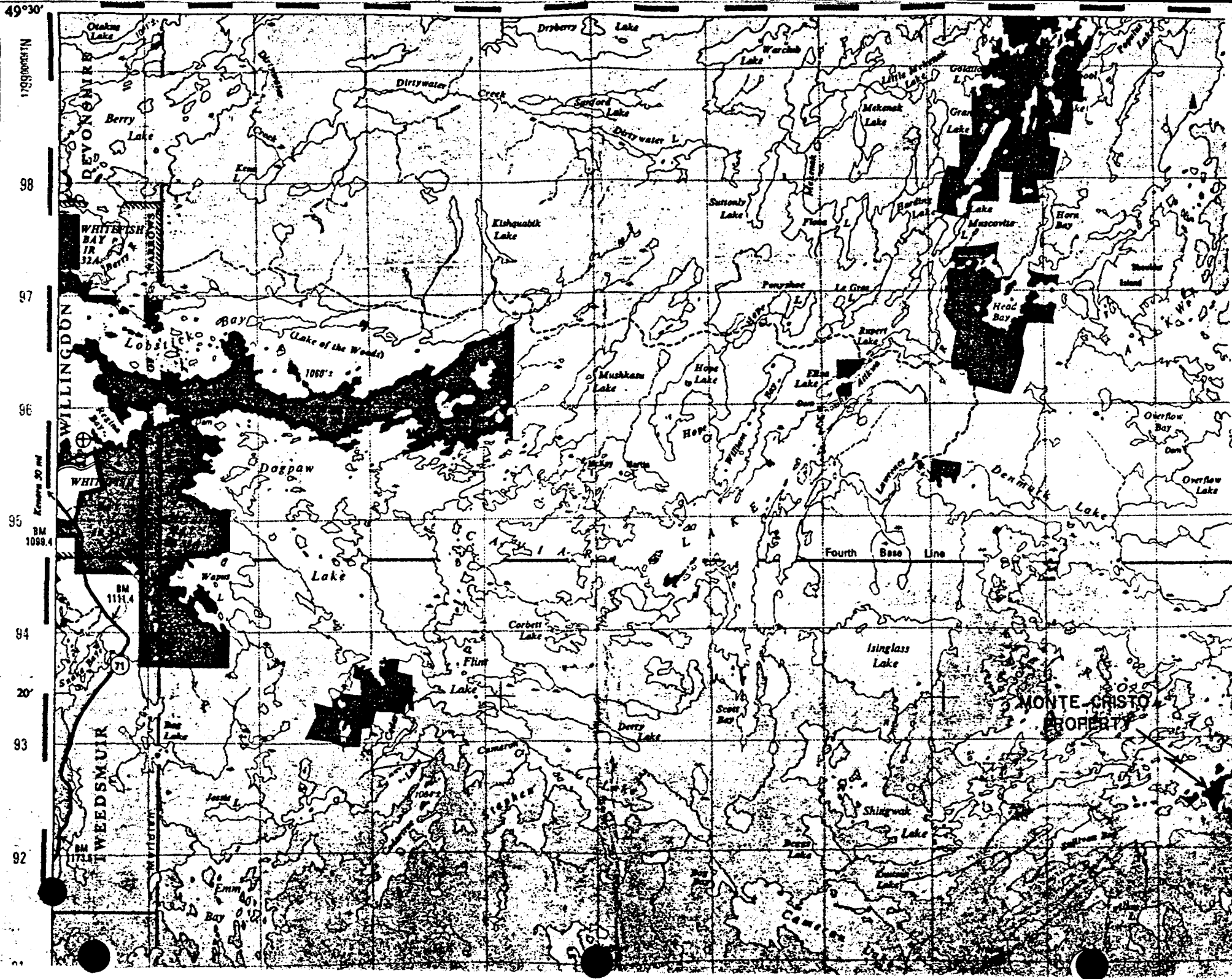


MINING DIVISION

- 1 Eastern Ontario
- 2 Sudbury
- 3 Larder Lake
- 4 Porcupine
- 5 Sault Ste Marie
- 6 Thunder Bay
- 7 Patricia
- 8 Red Lake
- 9 Kenora

FIGURE NO: 1

FIGURE 2



3. PERSONNEL

The following personnel were involved with the project:

B.P. Belanger North Bay, Ontario

R.J. Meikle North Bay, Ontario

G. Dubroy North Bay, Ontario

B. Marvin Cobalt, Ontario

R. Lavoy North Bay, Ontario

C. Davidson North Bay, Ontario

K. Dickson North Bay, Ontario

Monte-Cristo I.P. Time Sheet

<u>Crew # 1</u>	B. Marvin	Cobalt, Ontario
	R. Lavoy	North Bay, Ontario
	Ken Dickson	North Bay, Ontario
	C. Davidson	Crystal Falls, Ontario

March 9-16 (inclusive)
March 20-April 4 (inclusive)

<u>Crew # 2</u>	S. Anderson	Crystal Falls, Ontario
	Kevin Dickson	North Bay, Ontario
	Al Dickson	North Bay, Ontario
	Marc Sigouin	North Bay, Ontario

March 27-April 2 (inclusive)

120 MAN DAYS IN TOTAL

4. GEOLOGY

The property is underlain by mafic volcanics with numerous Gabbro intrusives and the southern edge of the property borders a large granite batholith to the south. (source ODM preliminary maps P 831, P 387, P 731, P 388). The geology is dealt with in more detail in a separate report by J. Goodwin.

5. INDUCED POLARIZATION SURVEY

Approximately 14.6 miles were surveyed by Induced Polarization. The Induced Polarization Method is fast becoming one of the most useful techniques in the search for economic gold deposits in Canada. Basically, the method involves applying current to the ground and measuring different parameters of the resulting voltages. The method is capable of detecting minor amounts of metallic mineral (sulphides) which would not be massive enough or conductive enough to respond to Electromagnetic Methods. A prime example would be a silicious or more resistive environment with disseminated sulphides.

The following is a summation of the technique and equipment used:

- 1/ Mode - Time Domain
 - 950 millisecond delay time, 450 ms integration time
 - Rx-Tx timing, 2 sec. on, 2 sec. off.
- 2/ Array - Pole-Dipole
 - Dipole-Dipole (L 34W)
- 3/ Electrode Spacing (a) - 100 ft
- 4/ Parameters Read - n=1, n=2, n=3, n=4, n=5
 - Chargeability (milliseconds) Map No. 1
 - Apparent Resistivity (ohm-meters) Map No. 2
- 5/ Instruments - Receiver - Crone N-IV "Newmont Type"
 - Transmitter - Phoenix IPT-1 2500 watts
 - Current Electrodes - Stainless steel rods
 - Potential Electrodes - Stainless steel rods

The I.P. survey necessitated some experimentation with different electrode arrays, spacings etc. because of the highly conductive lake bottom sediments underlying 100 feet of water. A Pole-Dipole electrode array was used to get maximum current penetration. The electrodes were lowered to the bottom at each station which slowed production but should have given better results.

6. DATA PRESENTATION

The N=4 values for chargeability and resistivity are plotted in plan form and contoured on Maps No. 1,2 respectively. This provides a general anomalous trend but should not be used to spot drill holes because I.P. anomalies do not relate to one specific 'N' reading and the axis location must be taken from the sections. The axis location and descriptions are plotted on Map No. 3.

7. RESULTS

The Induced Polarization survey outlined numerous anomalies of differing characteristics. The shear zone is quite wide (up to 600 ft) where it has been exposed. However there are changes within this structure such as mineralized sections, carbonate and quartz rich sections. This makes for a very complex I.P. - Resistivity response when using an 'a' spacing of 100 ft. However a shallower 'a' spacing would not have saw bedrock in the water covered portion which has a thick conductive layer of lake bottom sediments.

Because of the extremely difficult geophysical target the shear zone presents, a compilation map no. 3 was made. All pertinent information from the psuedo-sections is plotted so that even the vaguest response might be correlated with the drilling results. Those features which correlate line to line are numbered on map no. 3 and discussed below.

1 - Is a resistivity low with good line to line correlation. The axis of the low is vague on some profiles but the overall trend is coincident. This feature could be a response from the Monte Cristo shear zone.

2, # 3 - Is a Resistivity high which runs parallel to and 300' south of # 1. One explanation of anomalies # 2, 3 would be the gabbro intrusive which has been observed flanking the shear zone on the south footwall side further east. # 3 has a weak chargeability which

could be the south contact of the unit which could be altered and or weakly mineralized. This anomaly correlates with the magnetic results of a previous survey.

- # 4 - Is most likely a continuation of anomaly # 3.
- # 5 - Is a three line anomaly or an island, with the best response on L 62W where it is quite chargeable with a coincident resistivity low.
- # 6 - Is a resistivity low which is similar in appearance to # 1.
- # 7 - Is a resistivity high which is weakly chargeable running parallel to and 400 ft south of # 6.
- # 8 - Appears to be a deep weakly chargeable zone with a coincident resistivity low.
- # 9 - Is a zone of higher chargeability within a broad zone of higher chargeability.
- # 10 - Is similar to # 9
- # 11 - Is a zone of high chargeability with a coincident resistivity low.
- # 12 - Is a resistivity low which correlates with an exposure of sheared rocks on the shoreline observed by the author.

- # 13 - Is a zone of low resistivity with a very weak chargeability correlation on L 22, 24E.
- # 14 - Is a zone of low resistivity which could be a continuation of # 12 and hence, possibly a shear zone.
- # 15 - Is a zone of high resistivity running parallel to and 300 ft south of # 14 which is a similar situation to # 1, 2.
- # 16 - Is a chargeable zone with a resistivity low. This anomaly is distinct and has a sulphide type signature.

8. RECOMMENDATIONS

The results of the I.P. survey should be correlated with the drill results as well as the geology. The compilation map should be used as an overview only and any drill holes should be spotted using the psuedo-sections and all other relevant information. It is early to tell how effective the I.P. method is in this area. However, the following are a list of priorities as they exist now. Geological mapping may change this.

Priority # 1: Anomaly # 1 appears to be a resistivity low response to the Monte-Cristo shear zone and should be given priority. Due to the width of the zone, conductive lake bottom, and 'a' spacing used, care should be taken to ensure that any drilling allow considerable flexibility in the anomaly location. As mentioned, anomaly # 1 has a flanky gabbro type response to the south # 2, # 3 which is found south of the shear zone in previous drill results. This type of signature is also found on L 0 - 4N where a resistivity low is observed with a high to the south. The present survey did not cover the middle portion of the grid but anomaly # 12, # 14 has a similar appearance with # 15 flanking to the south. There is an exposure of sheared rocks on the shoreline coincident with # 12.

Priority # 2: Anomaly # 5 should be prospected and if not explained it should be drilled.

The remaining anomalies can only be rated after correlating with information not available to the author such as magnetometer survey, EM survey and geological survey as well as drill results. The land portion of the grid should be re-surveyed by I.P. with a smaller 'a' spacing of 50 ft and a Dipole-Dipole electrode array for better resolution.

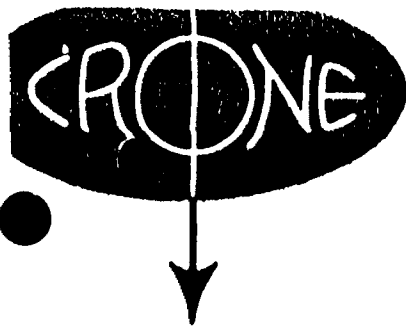
CERTIFICATE

I, Raymond Meikle of North Bay, Ontario hereby certify that:

- 1) I hold a 3 yr Technologist Diploma from the Haileybury School of Mines, Haileybury, Ontario.
- 2) I have based conclusions and recommendations contained in this report on knowledge of the area, my previous experience, and on the results of the field work conducted on the property during March and April 1984 which was carried out under my overall supervision.
- 3) I hold no interest, directly or indirectly in this property other than professional fees, nor do I expect to receive any interest in the property or in Nuinsco Resources Ltd or any of it's subsidiary comapnies.

North Bay, Ontario, Canada

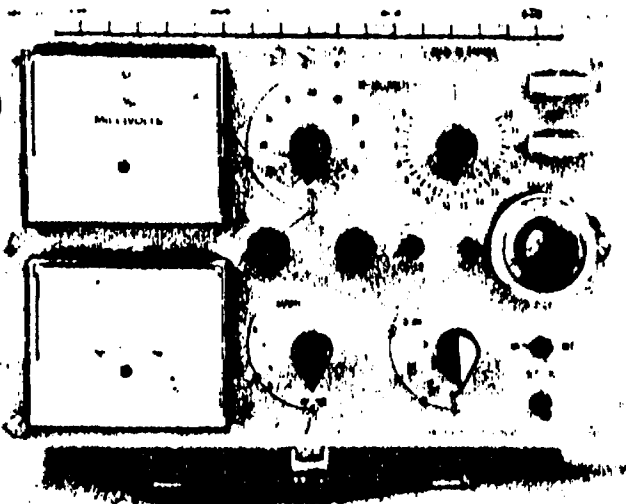

R.J. Meikle C.E.T.



CRONE GEOPHYSICS LIMITED INDUCED POLARIZATION RECEIVER



A Newmont designed pulse type N-IV, designed for simplicity of operation and reliability in the field.

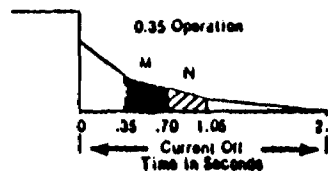
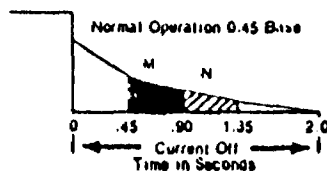


- Instrument Sales, Rental and Repair Services
- Contract Survey Services
- Consulting Services
- Computer Plotting and Processing Services

HEAD OFFICE: 3607 Wolfedale Rd.
MISSISSAUGA, Ontario
CANADA L5C 1V8
PHONE: (416) 270-0096
TELEX: 06-961260

SPECIFICATIONS*

- DIMENSIONS:** 28cm x 18cm x 27cm (11" x 7" x 10½")
- SHIPPING DIMENSIONS:** 37cm x 27cm x 35cm (14½" x 10" x 14")
- WEIGHT:** 4 kg (9 lbs)
- SHIPPING WEIGHT:** 11.5 kg (25 lbs)
- BATTERY POWER SUPPLY:** Standard Throw Away Batteries
—5 of "C" cells, 1.5 volt each, 60MA drain Eveready types E93 or 1035
—1 of 9 volt transistor battery for S.P. buckout, #216
Battery life—3 to 6 months
- PRIMARY VOLTAGE:** "Vp": .0005 to 60 volts, accuracy ±5%
- CURRENT CYCLE:** 2.0 seconds on—2.0 seconds off current cycle. Off period must be greater than 1.8 seconds
- CHARGEABILITY:** M and N readings directly in milliseconds

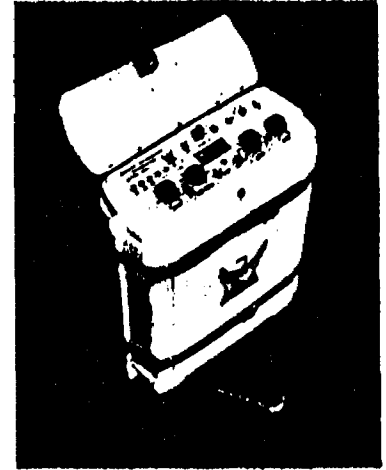


- BOTH M AND N READINGS ARE AUTOMATICALLY CORRECTED TO the Newmont 33M1 Standard. M and N readings should be the same with a normal polarization decay. Unequal readings indicate the presence of inductive coupling and then the N reading should be used.
 - Both M and N readings are taken for 3 current cycles (6 samples) then they are automatically averaged and stored for direct read out.
 - Self Potential: Automatic buckout effective when SP less than .6 Vp Manual buckout—0 to 1.0 volts calibrated (>1.0 volts uncalibrated) Fine SP buckout for low signal levels.
 - Pot resistance Check: Check of potential contacts on millisecond meter; Green—good contact, Orange—marginal contact (M-N readings are accurate, Vp and resistivity readings have error), Red - nil or unacceptable contact.
 - Input Impedance: 300,000 Ohms
 - Noise Filters: 30 DB at 50 or 60 Hz (factory set)
30 DB/Octave above 8 Hz
6 DB/Octave above 35 Hz
 - Automatic Time Lock to ground signal
 - Amplifier drift correction by one control
 - Temperature Range: -40°C to 50°C (-40°F to 120°F)
- *Specifications subject to change without notice

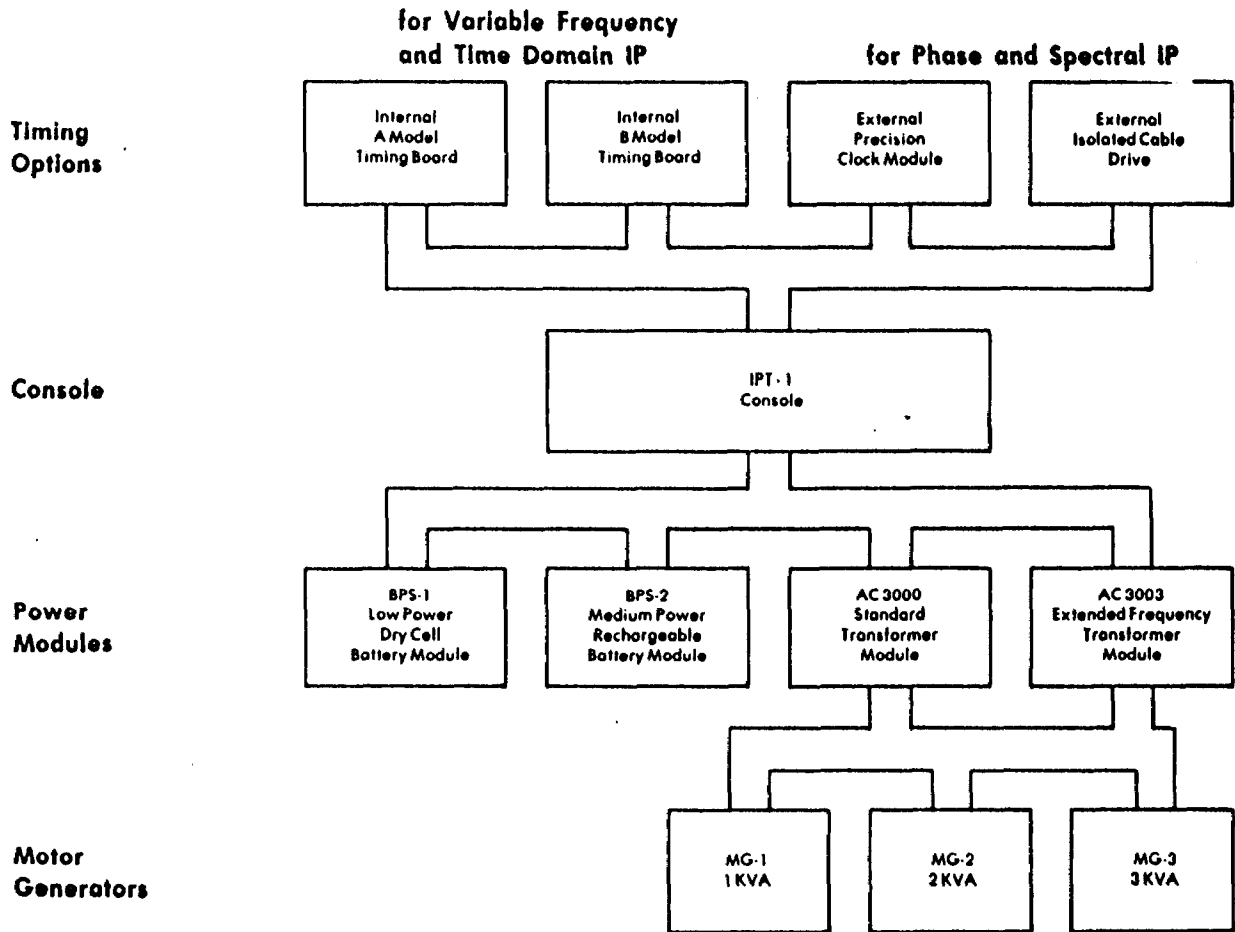
IPT-1

Variable Frequency, Time Domain and Phase IP Transmitter

- **Reliable:** Backed by twenty years experience in the design and worldwide operation of induced polarization and resistivity equipment
- **Versatile:** Can be used for resistivity, variable frequency IP, time domain IP or phase angle IP measurements
- **Stable:** Excellent current regulation
- **Lightweight, portable**
- **Wide selection of power sources**
- **Low cost**



Transmitter Configurations



PHOENIX GEOPHYSICS LIMITED

Geophysical Consulting and Contracting, Instrument Manufacture, Sale and Lease.

- Head Office: 200 Yorkland Blvd., Willowdale, Ontario, Canada M2J 1R5
Tel.: (416) 493-6350 Telex: 06-986856 Cable: PHEXCO TORONTO
- Vancouver Office: 214 - 744 West Hastings Street, Vancouver, B.C., Canada V6C 1A8
Tel.: (604) 669-1070
- Denver Office: 4891 Independence St., Suite 270, Wheat Ridge, Colorado, 80033, U.S.A.
Tel.: (303) 425-9393 Telex: 450690

Timing Options

INTERNAL TIMING BOARD

There are three available internal timing boards. Both have the same internally mounted crystal oscillator with a stability of 50 PPM over the temperature range -40°C to +60°C.

- | | | |
|------------------|--|--|
| Model A : | STANDARD FREQUENCY SERIES
Frequency domain mode
±DC, .062, .125, .25, 1, 2 and 4 Hz.
Time domain mode
2 sec +, 2 sec off, 2 sec -, 2 sec off.
Simultaneous transmission mode
.25 and 4.0 Hz standard, other pairs available. | OPTIONAL FREQUENCY SERIES (change link on board)
Frequency domain mode
±DC, .078, .156, .313, 1.25, 2.5, and 5.0 Hz.
Time domain mode
1.6 sec +, 1.6 sec off, 1.6 sec -, 1.6 sec off.
Simultaneous transmission mode
.313 and 5.0 Hz standard, other pairs available. |
| Model B : | The main difference between this timing board and the model A board is that the duty cycle is variable. Frequency domain operation is obtained by setting the duty cycle to 100% and selecting any of nine binary frequencies from 1/64 Hz to 4 Hz. Various time domain waveforms may be obtained by choosing any of the nine frequencies and a duty cycle of 25%, 50% or 75%. The standard 2 sec +, 2 sec off, 2 sec -, 2 sec off time domain waveform is chosen by selecting a duty cycle of 50% and a frequency of .125 Hz. | |
| Model C : | Time domain: 1, 2, 4, 8 second cycle. Frequency domain: 0.1, 0.3, 1.0, 3.0 Hz. | |

EXTERNAL HIGH PRECISION CRYSTAL CLOCKS

The IPT-1 may be driven by external high precision crystal clock modules such as the CL-1 and transmitter driver or CL-2 and transmitter driver. These clock modules were designed for use as a time reference between the IPT-1 or IPT-2 transmitters and the Phoenix IPV-2 phase IP receiver. The aging rate of the CL-1 clock module is 5×10^{-10} /day (0.11 mrad/hr at 1 Hz) and the stability of the CL-2 clock module is 10^{-7} /day (2.26 mrad/hr at 1 Hz). These clock modules weigh 7.5 kg., however space is provided for as much as 5 kg of additional internal batteries for operating the CL-1 oven heated clocks all day at -40°C. Clock modules produced by other manufacturers of induced polarization receivers are also compatible with the IPT-1.

EXTERNAL ISOLATED CABLE DRIVE

The isolated cable drive option allows the IPT-1 to be driven by the timing circuitry of the IPV-3 spectral IP receiver. The maximum distance allowed between transmitter and receiver is 500m. For efficient spectral IP field surveying, the distance between the transmitter and receiver is always maintained at one electrode interval. Thus the maximum convenient electrode interval, using the isolated cable drive option, is 500m. The IPV-3 measures the current plus six voltage dipoles ($n=1,6$) simultaneously.

Console

- | | | |
|---------------------------|---|--|
| Ammeter Ranges | : | 30 mA, 100 mA, 300 mA, 1A, 3A and 10A full scale. |
| Meter Display | : | A meter function switch selects the display of current level, regulation status, input frequency, output voltage, control voltage and line voltage. An optional digital display presents all of the above, plus external circuit resistance. |
| Current Regulation | : | The change in output current is less than 0.2% for a 10% change in input voltage or electrode impedance. |
| Protection | : | The current is turned off automatically if it exceeds 150% full scale or if it is less than 5% full scale. |



Internal Power Modules

BPS-1 DRY CELL BATTERY POWER MODULE

- Output Voltage** : 90V, 180V and 360V.
- Output Current** : 1 mA to 1A maximum.
- Output Power** : Recommended maximum output power is 30 watts. Absolute maximum output power is 100 watts.
- Power Supply** : 8x45V dry cell batteries (Eveready 482, Mallory 202 or equivalent). Normal field operation, with low output power, results in an average battery life expectancy of one month. Operation with the absolute maximum output power results in much shorter battery life.
- Control Supply** : 4 x 6V lantern batteries (Eveready 409, Mallory 908 or equivalent) connected in series/parallel are used to provide the 40 to 70 mA at 12V required for the control circuitry. Average battery life expectancy is six months.
- Operating Temperature** : 0°C to +60°C.

BPS-2 RECHARGEABLE BATTERY POWER MODULE

- Output Voltage** : 50V, 106V, 212V, 425V, and 850V.
- Output Current** : 3 mA to 3A.
- Output Power** : Maximum output power is 300 watts. Above this output power a protective cut-out is engaged to prevent battery and circuit damage.
- Batteries** : 4 x 12V rechargeable gell cell batteries connected in series/parallel have a capacity of 9 A-hr. External batteries (such as car or motorcycle batteries) may also be used. A special cord and plug are provided for this mode of operation. An adaptor cord connects the 12V batteries in parallel with the 12V charging unit.
- Operating Temperature** : -40°C to +60°C. Below 0°C the capacity of the batteries is significantly reduced (by 70% at -40°C).

AC 3000 TRANSFORMER POWER MODULE

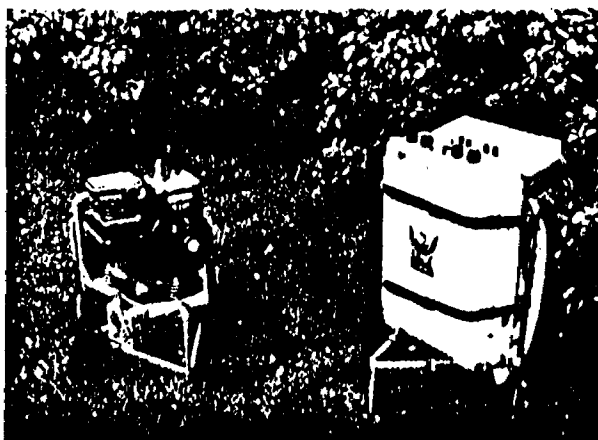
- Output Voltage** : 75V, 150V, 300V, 600V and 1200V.
- Output Current** : 3 mA to 10A.
- Output Power** : Maximum continuous output power is 3KW with MG-3 motor generator, 2KW with MG-2 motor generator and 1KW with MG-1 motor generator.
- Input Power** : Three phase, 400 Hz (350 to 1000 Hz), 60V (50V to 80V) is standard. Three phase, 400 Hz (350 to 1000 Hz), 120V (100V to 160V) is optional.
- Current Regulation** : Achieved by feedback to the alternator of the motor generator unit.
- Operating Temperature** : -40°C to +60°C.
- Thermal Protection** : Thermostat turns off at 65°C and turns back on at 55°C internal temperature.

AC 3003 TRANSFORMER POWER MODULE

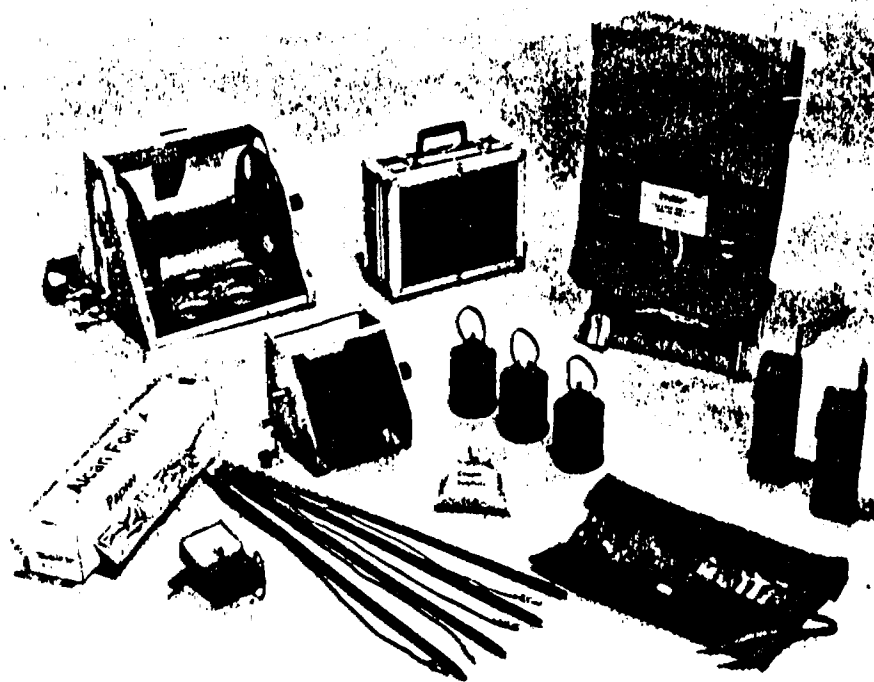
- Same as AC 3000 except for:
- Output Voltage** : 44V, 87V, 175V, 350V and 700V.
- Frequency Range** : DC to 3000 Hz under external drive (all other power modules have a maximum frequency of 5 Hz).
- (Note: AC 3003 is not intended for extended time domain operation)

General

- Dimensions** : 20 x 40 x 55 cm (9 x 16 x 22 in).
- Weight** : 13 kg (29 lb) with BPS-1.
13 kg (29 lb) with BPS-2.
17 kg (37 lb) with AC-3000.
18 kg (40 lb) with AC-3003.
- Standard Accessories** : Pack frame, manual. At least one of the four possible power modules is required. The transformer power modules in turn require one of the three external 1KVA, 2KVA, 3KVA, motor generators and a connecting cable.



Survey Accessories



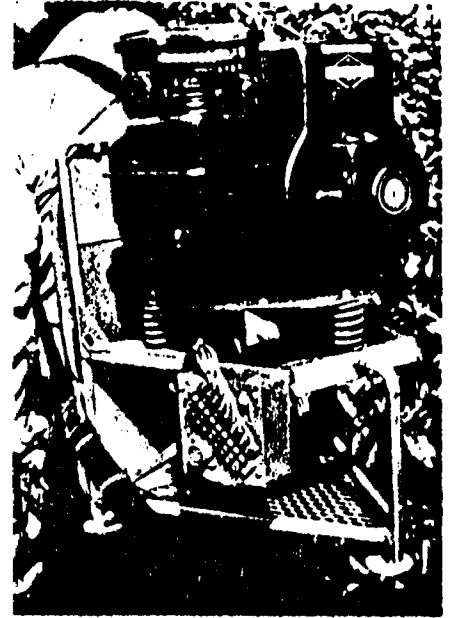
Accessory Packsack	:	Trapper Nelson #3 packboard with packsack.
Receiver Transport Case	:	Aluminum, foam lined, 13 x 32 x 44 cm.
Stake Electrodes	:	Mild steel rods with hard tapered end, 1.6 cm diameter, 75 cm or 120 cm long.
Foil Electrode Material	:	Heavy duty industrial aluminum foil, 0.0025 cm x 46 cm x 137 m.
Field Wire	:	Black, low friction, polyethylene plus nylon jacket. Four copper plus three steel strands. Tensile strength 40 kg. Total resistance 76 ohm/km. External diameter 0.213 cm.
Geo Reel	:	Two speed aluminum winder with packstraps, 35 x 40 x 50 cm.
Geo Reel Spool	:	Capacity for 3000m of field wire.
Speedwinder	:	Aluminum winder, 20 x 25 x 30 cm.
Speedwinder Spool	:	Capacity for 600m of field wire.
Porous Pots	:	Plastic with porous asbestos bottom. Coiled copper wire makes contact with saturated copper sulfate solution.
Copper Sulfate	:	450 g.
Multimeter	:	Resistance, voltage and current.
Tool Kit	:	Soldering iron, wrenches, screwdrivers.
Radios	:	Transmitter-receivers.

Motor Generators

There are three motor generators, differing in weight and power, which can be used with the transformer power modules. All three supply three phase, 60 Hz (350 to 600 Hz), 60V (45V to 80V). The voltage is regulated by feedback from the transmitter.

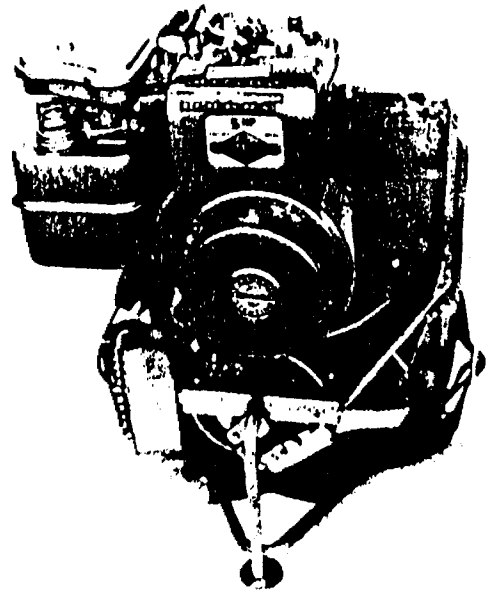
MG-1:

This lightweight unit is designed for easy portability in areas of moderately high resistivity. It is well suited for massive sulfide exploration in Northern Canada, Europe and Asia, as well as general IP and resistivity surveys in rugged, mountainous areas around the world. The motor is a 4-cycle Briggs and Stratton which produces 3 HP at 3600 rpm. The dimensions of the unit, including packframe, are 40 x 45 x 60 (16 x 18 x 24 in). Total weight is 25 kg (55 lb).



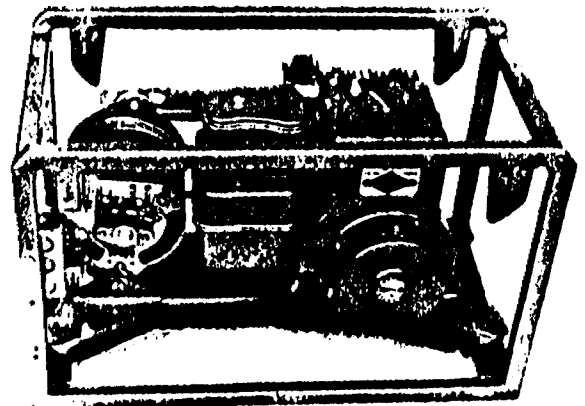
MG-2:

2KVA motor generator. This versatile unit is adequate for the vast majority of IP and resistivity surveys conducted worldwide. It is light enough to be carried by one man, yet powerful enough for most survey requirements. The motor is a 4-cycle Briggs and Stratton which produces 5 HP at 3600 rpm. The dimensions of the unit, including packframe, are 40 x 45 x 60 cm (16 x 18 x 24 in). Total weight is 34 kg (75 lb).



MG-3:

3KVA motor generator. This two-man portable unit is designed for surveys in areas which require additional power. The motor is a 4-cycle Briggs and Stratton which produces 8 HP at 3600 rpm. The unit is mounted in a square frame with dimensions 40 x 48 x 75 cm (16 x 19 x 29 in). Total weight is 55 kg (120 lb).





Report of Work
(Geophysical, Geological,
Geochemical and Expenditures)

RP

#148-85



52F05SE0051 2.8303 ROWAN LAKE

Minin

Type of Survey(s) **GEOPHYSICAL - I.P.** 900
 Claim Holder(s) **NUINSCO RESOURCES LTD** KOWAN LAKE
 Address **SUITE 306, 4198 DUNDAS ST. W. TORONTO MBX 146** Prospector's Licence No. T 909
 Survey Company **RAYAN EXPLORATION** Date of Survey (from & to) Total Miles of line Cut
9 **03** **84** **2** **04** **84** **15**
 Name and Address of Author (of Geo Technical report)
R.S. MEIKLE RR#2, HWY#11 N. NORTH BAY ONT. P1B 8G3

Credits Requested per Each Claim in Columns at right

Mining Claims Traversed (List in numerical sequence)

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
For each additional survey: using the same grid: Enter 20 days (for each)	- Other	
	Geological	
	Geochemical	
Man Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other I.P.	9.29
	Geological	
	Geochemical	
Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	

Mining Claim			Mining Claim		
Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
K	657787		K	690661	
	657788			690662	
	657794			690663	
	657795			690664	
	657796			690665	
	657797			690666	
	657798			690667	
	657799			690668	✓
	657800			690669	
	690647			690670	
	690648			690671	
	690649			690672	
	690650			690673	
	690651			690674	
	690652			690675	
	690653			690676	
	690654			690677	
	690655			690682	
	690656			690683	
	690657			690684	
	690658			690685	
	690659			690686	
	690660			690687	

RECEIVED
 MINING DIV.
 JUL 18 1985
 AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

See Traversed
 Mining
 Claims
 Section

Expenditures (excludes power stripping)
 Type of Work Performed
 Performed on Claim

Calculation of Expenditure Days Credits

Total Expenditures	Total Days Credits
\$ 215985	

Instructions
 Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits are allocated in columns at right.

Date **July 15/85** Recorded Holder or Agent (Signature) *[Signature]*

657787 CONTINUED NEXT PAGE
 Total number of mining claims covered by this report of work **92**

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Record
855	July 18/85	<i>[Signature]</i>
Date Approved as Recorded	Branch Director	

Certification Verifying Report of Work
 I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying
G. F. ARCHIBALD, 339 FOUL BAY RD, VICTORIA BC, V8S 4G6
 Date Certified **July 15/85** Certified by (Signature) *[Signature]*

Instructions: - Please type or print.
- If number of mining claims traversed exceeds space on this form, attach a list.
Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
- Do not use shaded areas below.

Mining Act

Type of Survey(s)	Township or Area ROWAN LAKE
Claim Holder(s) NOVINSKO RESOURCES LTD	Prospector's Licence No. T-909
Address	
Survey Company	Date of Survey (from & to) Day Mo. Yr. Day Mo. Yr.
Total Miles of line Cut	
Name and Address of Author (of Geo Technical report) LIST OF MINING CLAIMS CONTINUED	

Credits Requested per Each Claim in Columns at right

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	
	- Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Man Days Complete reverse side and enter total(s) here	Geophysical	Days per Claim
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Airborne Credits Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	Days per Claim
	Magnetometer	

Mining Claims Traversed (List in numerical sequence)

Mining Claim		Expend. Days Cr.	Mining Claim		Expend. Days Cr.
Prefix	Number		Prefix	Number	
K	690688		K	690723	✓
	690689			690724	✓
	690690			690725	✓
	690691			690733	✓
	690704	✓		690734	✓
	690705	✓		690735	✓
	690706	✓		690736	
	690707	✓		690737	
	690708			690738	
	690709			690739	
	690710			690740	
	690711			690741	
	690712			690742	
	690713			690789	✓
	690714			705964	
	690715			705965	
	690716			705966	
	690717			705967	
	690718			718782	
	690719			718783	
	690720			718784	
	690721			718785	
	690722	✓		718811	

Expenditures (excludes power stripping)

Type of Work Performed: **GRAVIMETRIC DIVING**

Performed on Claim(s): **JUL 18 1985**

Time: **AM 7:8 9 10 11 12 1 2 3 4 5 6 PM**

Calculation of Expenditure Days Credits

Total Expenditures \$ ÷ 15 = Total Days Credits

Instructions: Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Date: Recorded Holder or Agent (Signature):

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
	Date Approved as Recorded	Branch Director

Total number of mining claims covered by this report of work. **92**

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying:

Date Certified: Certified by (Signature):

NUINSCO RESOURCES LIMITED

EXECUTIVE OFFICES
SUITE 306
4198 DUNDAS ST. WEST
TORONTO, ONTARIO M8X 1Y6
(416) 231-5603

RECEIVED	
LAND MANAGEMENT BRANCH	
SEP 13 '85	
PREPARE REPLY	<input type="checkbox"/>
COMMENTS PLEASE	<input type="checkbox"/>
BY	
S. E. YINDT	
I. R. MORTON	
I. C. SMITH	
W. P. BROOK	
M. J. HOGAN	
D. W. SCOTT	
S. KEEN	
Return To: R.6643	

September 13, 1985

Mr. S.E. Yundt
Director
Land Management Branch
Ministry of Natural Resources
Whitney Block Room 6643
Queen's Park
Toronto M7A 1W3


Your File 2.8303

Re: Geophysical (Induced Polarization) Survey submitted
on Mining Claims K 657787 et al in the Area of
Rowan Lake.

Enclosed herewith please find the material requested in your letter
of August 22nd, copy of which is attached.

Should there be any deficiencies, would you be so kind as to
telephone this office.

Yours very truly,


H. Douglas Hume
President

encls.

BY COURIER

August 22, 1985

File: 2.8303

Nuinsco Resources Limited
Suite 306
4198 Dundas Street West
Toronto, Ontario
M8X 1Y6

Dear Sirs:

RE: Geophysical (Induced Polarization) Survey submitted
on Mining Claims K 657787 et al in the Area of
Rowan Lake.

Enclosed are the plans, in duplicate, for the
above-mentioned survey.

In order to complete your submission for assessment,
please provide the following information:

- 1) Pseudo-sections for the $n=1, 2, 3, 5$ values of
the chargeability and Apparent Resistivity
readings.
- 2) Plot all claim lines and claim numbers on the
plans.

Please forward the above information, in duplicate,
to this office quoting File 2.8303.

For further information, please contact Mr. R. Pichette
at 416/965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3

D. Isherwood:sc

cc: Mining Recorder
Kenora, Ontario
#148-85

cc: R.J. Meikle
R.R. #2
Highway #11 N.
North Bay, Ont.
P1B 8G3

Assessment Work Breakdown

Man Days are based on eight (8) hour Technical or Line-cutting days. Technical days include work performed by consultants, draftsmen, etc..

Type of Survey												
Technical Days	X	7	=	Technical Days Credits	+	Line-cutting Days	=	Total Credits	+	No. of Claims	=	Days per Claim
120		7		840		15		855		92		9.29

Type of Survey												
Technical Days	X	7	=	Technical Days Credits	+	Line-cutting Days	=	Total Credits	+	No. of Claims	=	Days per Claim
		7										

Type of Survey												
Technical Days	X	7	=	Technical Days Credits	+	Line-cutting Days	=	Total Credits	+	No. of Claims	=	Days per Claim
		7										

Type of Survey												
Technical Days	X	7	=	Technical Days Credits	+	Line-cutting Days	=	Total Credits	+	No. of Claims	=	Days per Claim
		7										

Mining Lands Section

File No **2.8303**

Control Sheet

TYPE OF SURVEY

- GEOPHYSICAL
- GEOLOGICAL
- GEOCHEMICAL
- EXPENDITURE

MINING LANDS COMMENTS:

*Lgd. L.D.
Raman
L.D.*

Signature of Assessor

Date

1985 10 23

Your File: 148-85
Our File: 2.8303

Mining Recorder
Ministry of Northern Affairs and Mines
808 Robertson Street
Box 5080
Kenora, Ontario
P9N 3X9

Dear Sir:

RE: Notice of Intent dated September 27, 1985
Geophysical (Induced Polarization) Survey
on Mining Claims K 657787, et al, in
Rowan Lake Area

The assessment work credits, as listed with the
above-mentioned Notice of Intent, have been approved
as of the above date.

Please inform the recorded holder of these mining
claims and so indicate on your records.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone:(416)965-4888

DK/mc

cc: Nuinsco Resources Ltd
Toronto, Ontario

G.F. Archibald
Victoria, B.C.

R.J. Meikle
North Bay, Ontario

Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario

Encl.



Ontario

Ministry of Natural Resources

Technical Assessment Work Credits

File

2.8303

Date 1985 09 27

Mining Recorder's Report of Work No. 148-85

Recorded Holder: NUINSCO RESOURCES LTD
Township or Area: ROWAN LAKE AREA

Table with 2 columns: Type of survey and number of Assessment days credit per claim; Mining Claims Assessed. Includes rows for Geophysical, Geological, and Geochemical surveys, and checkboxes for Man days, Airborne, Special provision, and Ground.

Special credits under section 77 (16) for the following mining claims

No credits have been allowed for the following mining claims
[X] not sufficiently covered by the survey
[] Insufficient technical data filed
K 657787 - 88
657794 to 800 inclusive
690647 to 67 inclusive
690669-70
690676-77
690682 to 91 inclusive
690708 to 21 inclusive
690736 to 42 inclusive
cc: 705964 to 67 inclusive
718782 to 85 inclusive
718811



OK 15/85

1985 09 27

Your File: 148-85
Our File: 2.8303

Mining Recorder
Ministry of Natural Resources
808 Robertson Street
Box 5080
Kenora, Ontario
P9N 3X9

Dear Sir:

Enclosed are two copies of a Notice of Intent with statements listing a reduced rate of assessment work credits to be allowed for a technical survey. Please forward one copy to the recorded holder of the claims and retain the other. In approximately fifteen days from the above date, a final letter of approval of these credits will be sent to you. On receipt of the approval letter, you may then change the work entries on the claim record sheets.

For further information, if required, please contact Mr. R.J. Pichette at 416/965-4888.

Yours sincerely,

S. E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3

DK/mc

Encls.

cc: Nuinsco Resources Ltd
Suite 306
4198 Dundas Street West
Toronto, Ontario
M8X 1Y6
cc: G.F. Archibald
339 Foul Bay Road
Victoria, B.C.
V8S 4G6

cc: R.J. Meikle
R.R.#2
Highway 11 North
North Bay, Ontario
P1B 8G3

cc: Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario



Ministry of
Natural
Resources

Notice of Intent
for Technical Reports

1985 09 27

2.8303/148-85

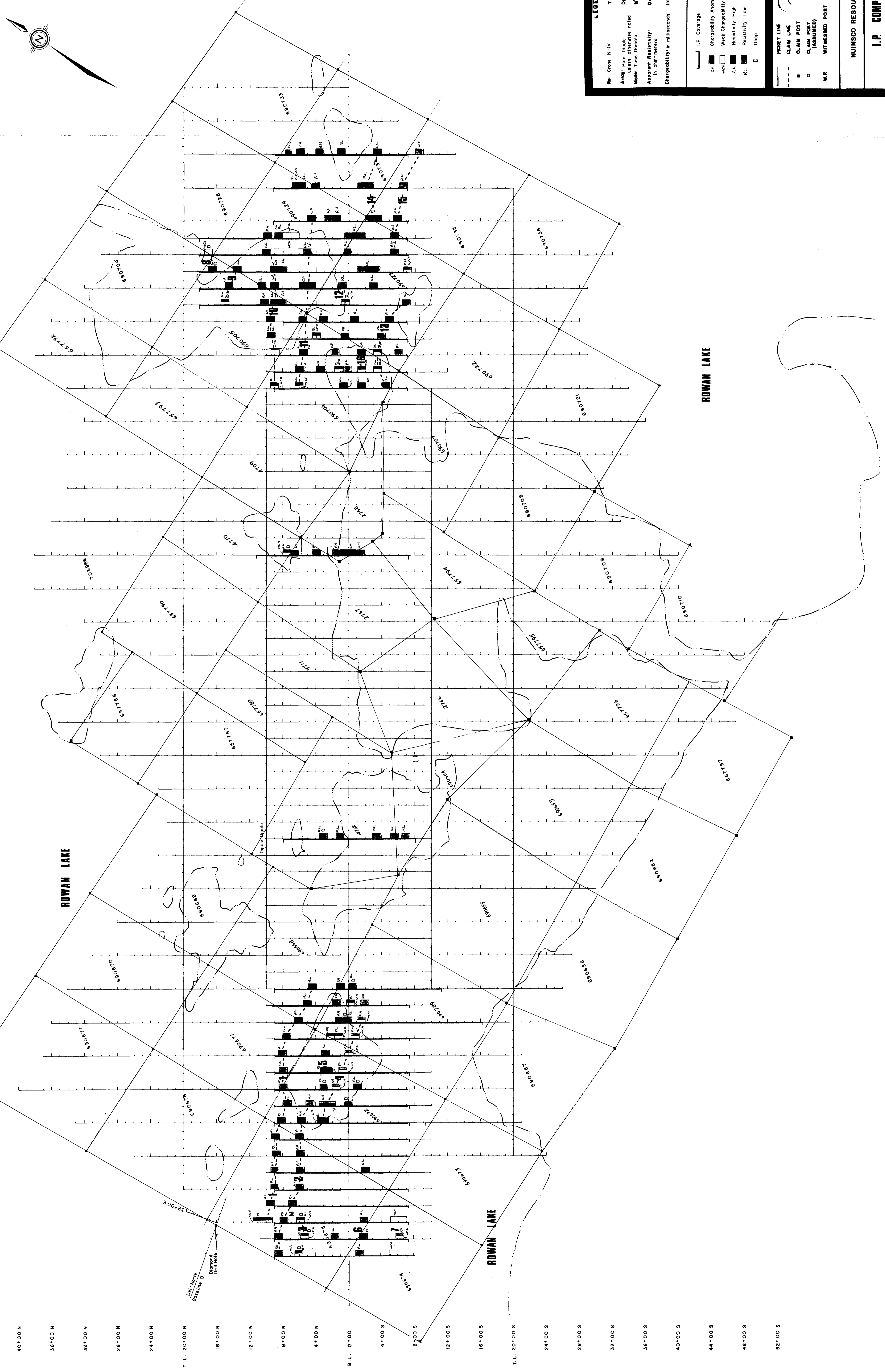
An examination of your survey report indicates that the requirements of The Ontario Mining Act have not been fully met to warrant maximum assessment work credits. This notice is merely a warning that you will not be allowed the number of assessment work days credits that you expected and also that in approximately 15 days from the above date, the mining recorder will be authorized to change the entries on his record sheets to agree with the enclosed statement. Please note that until such time as the recorder actually changes the entry on the record sheet, the status of the claim remains unchanged.

If you are of the opinion that these changes by the mining recorder will jeopardize your claims, you may during the next fifteen days apply to the Mining and Lands Commissioner for an extension of time. Abstracts should be sent with your application.

If the reduced rate of credits does not jeopardize the status of the claims then you need not seek relief from the Mining and Lands Commissioner and this Notice of Intent may be disregarded.

If your survey was submitted and assessed under the "Special Provision-Performance and Coverage" method and you are of the opinion that a re-appraisal under the "Man-days" method would result in the approval of a greater number of days credit per claim, you may, within the said fifteen day period, submit assessment work breakdowns listing the employees names, addresses and the dates and hours they worked. The new work breakdowns should be submitted direct to the Land Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.

84° 00' W 80° 00' W 76° 00' W 72° 00' W 68° 00' W 64° 00' W 60° 00' W 56° 00' W 52° 00' W 48° 00' W 44° 00' W 40° 00' W 36° 00' W 32° 00' W 28° 00' W 24° 00' W 20° 00' W 16° 00' W 12° 00' W 8° 00' W 4° 00' W 0° 00' W 4° 00' S 8° 00' S 12° 00' S 16° 00' S 20° 00' S 24° 00' S 28° 00' S 32° 00' S 36° 00' S 40° 00' S 44° 00' S 48° 00' S 52° 00' S



LEGEND

R.C. Crown N-1-V
 T.C. Phoenix I PT1
 Army Pole-Dipole
 Mode Time Domain
 Apparent Resistivity:
 in Ohm-meters
 Chargeability in milliseconds
 Integration Time 450 ms.

Dipole Spacing 100'
 W's Res: 1'5
 Delay Time: 800 ms.

I.R. Coverage
 CA Chargeability Anomaly
 WCA Weak Chargeability Anomaly
 RA Resistivity High
 AL Resistivity Low
 D Deep

POCKET LINE
 CLAIM LINE
 CLAIM POST
 CLAIM POST (ASSUMED)
 W.P. WITNESSED POST

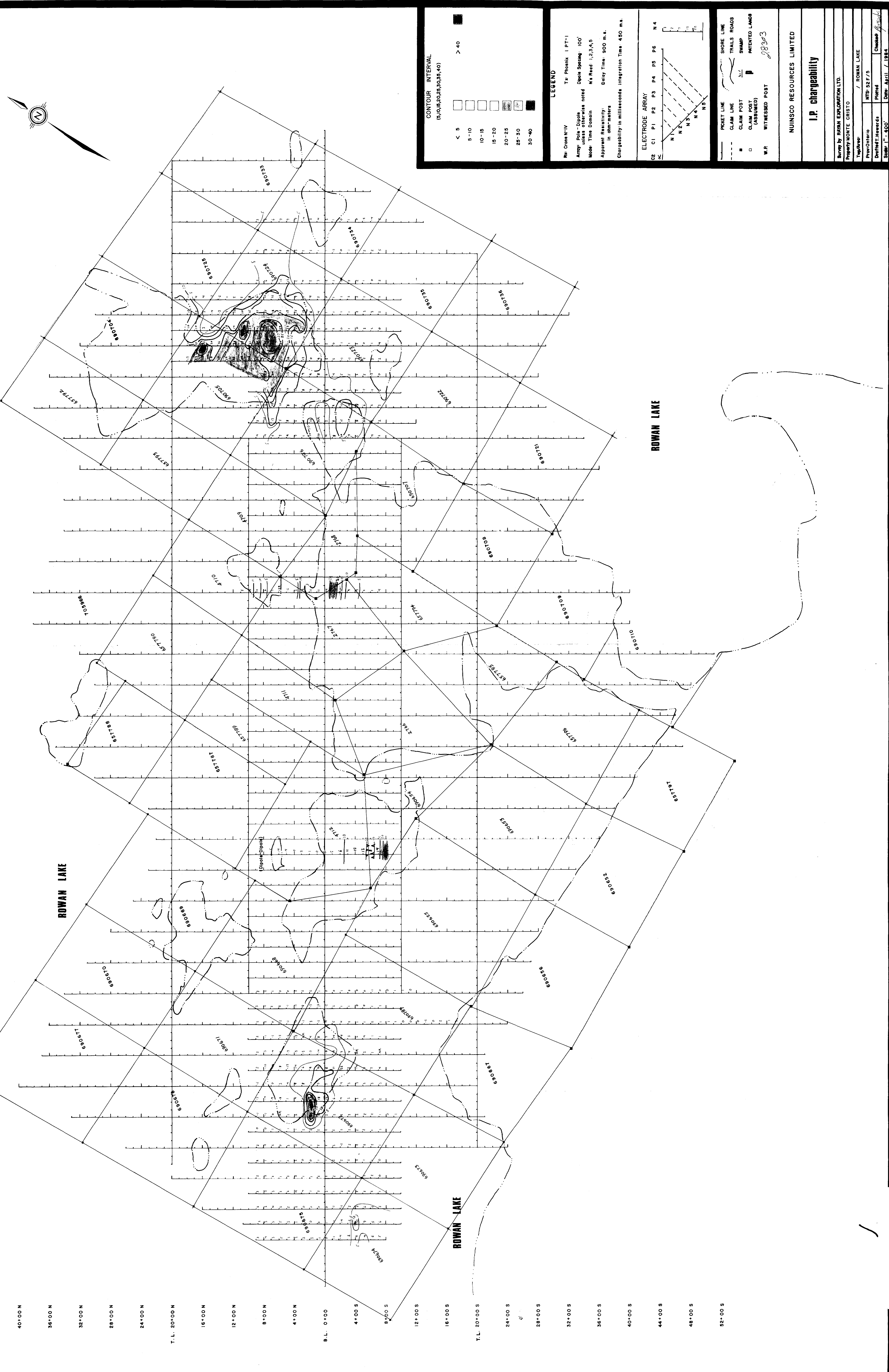
SHORE LINE
 TRAILS ROAD
 SWAMP
 PATENTED LAND

NIUNSCO RESOURCES LIMITED
I.P. COMPIATION

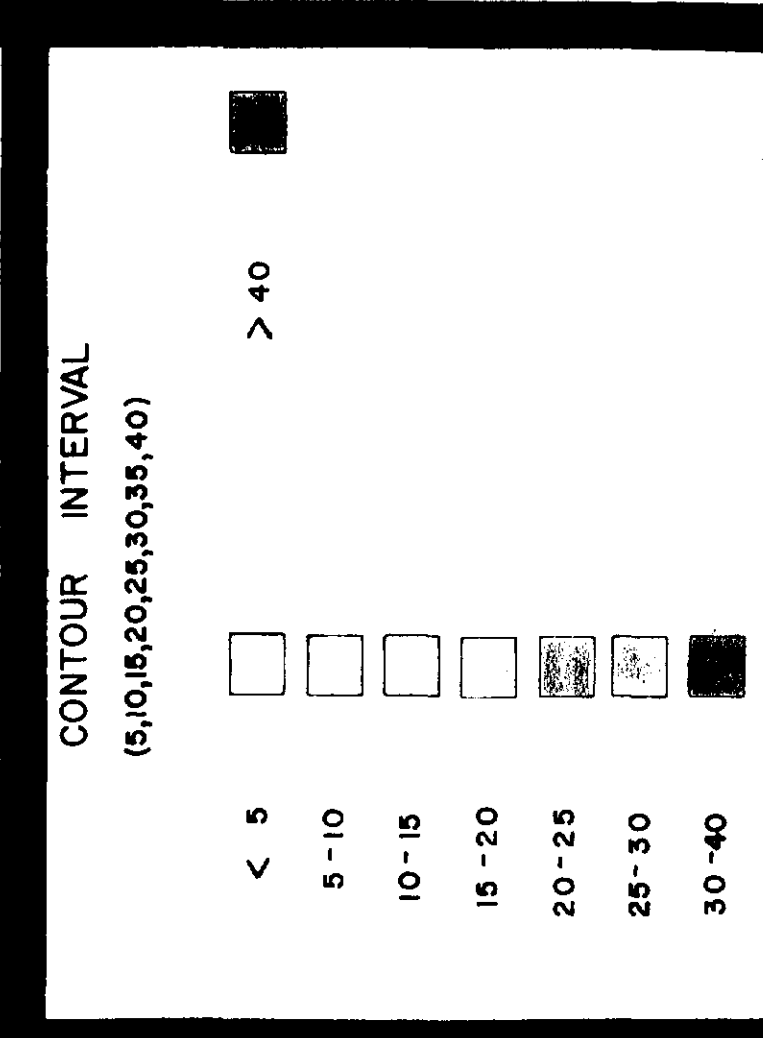
Survey by NIUNSCO EXPLORATION LTD.
 PROPERTY MONTÉ CARLO
 / ROWAN LAKE
 Project No. NTP 52775
 Drawn: Hebert
 Scale: 1" = 500'
 Date: April / 1984
 Checked:

2833

84°00' W 80°00' W 76°00' W 72°00' W 68°00' W 64°00' W 60°00' W 56°00' W 52°00' W 48°00' W 44°00' W 40°00' W 36°00' W 32°00' W 28°00' W 24°00' W 20°00' W 16°00' W 12°00' W 8°00' W 4°00' W 0°00' 4°00' E 8°00' E 12°00' E 16°00' E 20°00' E 24°00' E 28°00' E 32°00' E 36°00' E 40°00' E 44°00' E 48°00' E 52°00' E 56°00' E

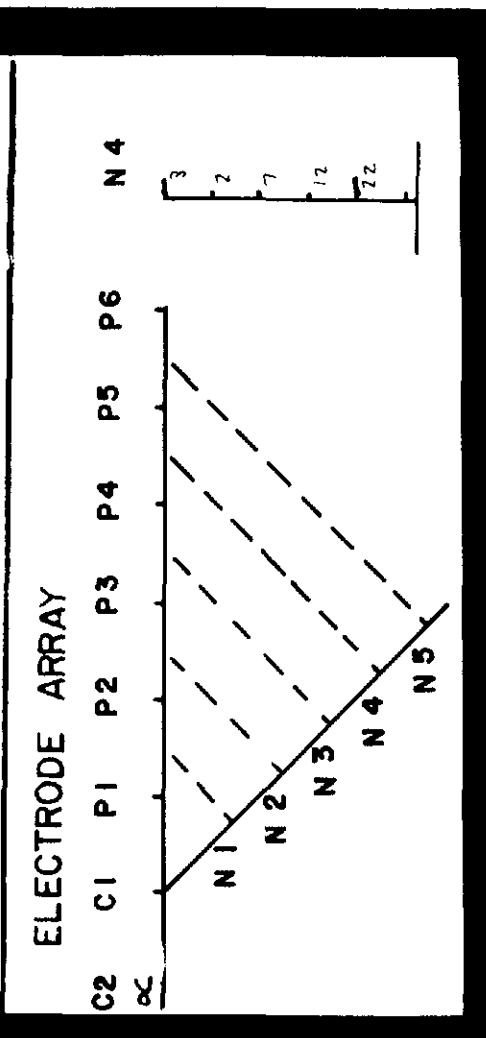


40°00' N 36°00' N 32°00' N 28°00' N 24°00' N T.L. 20°00' N 16°00' N 12°00' N 8°00' N 4°00' N B.L. 0°00' 4°00' S 8°00' S 12°00' S 16°00' S T.L. 20°00' S 24°00' S 28°00' S 32°00' S 36°00' S 40°00' S 44°00' S 48°00' S 52°00' S



LEGEND

No. Code N1-V
T₁ Phreatic 1 PT-1
Army Pole-Dipole
Magnetic Dipole
M₁ Read 1,2,3,4,5
Apparent Resistivity
in ohm-meters
Chargeability in milliseconds
Integration Time 450 m.s.



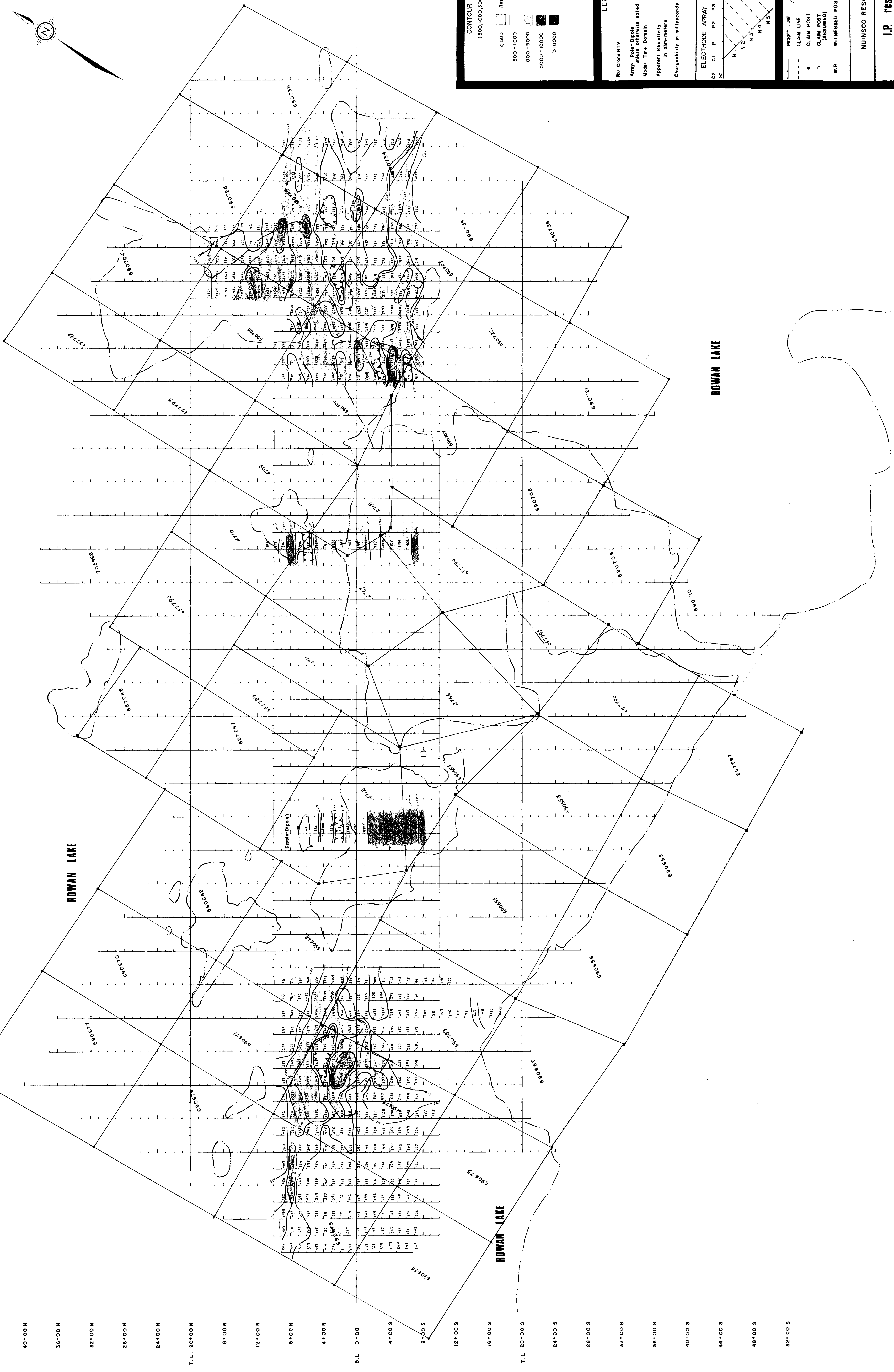
POCKET LINE SHORE LINE
CLAIM LINE TRAILS ROADS
CLAIM POST SWAMP
CLAIM POST (ASSUMED) PATENTED LANDS
W.P. WITNESSED POST

8833

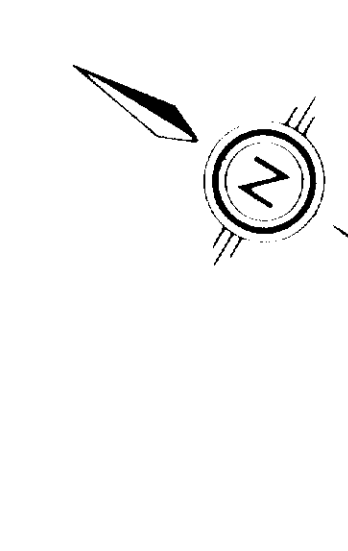
NUINSCO RESOURCES LIMITED
I.P. Chargeability

Survey by RAWAN EXPLORATION LTD.
Property MONTE CRISTO
Rowan Lake
MTS 52 F/S
Checked
Scale 1:400 Date APRIL / 1984

84°00'W 80°00'W 76°00'W 72°00'W 68°00'W 64°00'W 60°00'W 56°00'W 52°00'W 48°00'W 44°00'W 40°00'W 36°00'W 32°00'W 28°00'W 24°00'W 20°00'W 16°00'W 12°00'W 8°00'W 4°00'W 0°00'W 4°00'E 8°00'E 12°00'E 16°00'E 20°00'E 24°00'E 28°00'E 32°00'E 36°00'E 40°00'E 44°00'E 48°00'E 52°00'E 56°00'E



40°00'N 36°00'N 32°00'N 28°00'N 24°00'N T.L. 20°00'N 16°00'N 12°00'N 8°00'N 4°00'N B.L. 0°00' 4°00'S 8°00'S 12°00'S 16°00'S 20°00'S T.L. 20°00'S 24°00'S 28°00'S 32°00'S 36°00'S 40°00'S 44°00'S 48°00'S 52°00'S



CONTOUR INTERVAL
(500,1000,5000,10000)

Relativity Low

< 500
500 - 1000
1000 - 5000
5000 - 10000
> 10000

LEGEND

Re Cross-NHY
Tx Phoenix I PT-1
Army Reconn. Signal
unless otherwise noted
Mode: Time Domain
Apparent Resistivity
in ohm-meters
Chargeability in milliseconds
Integration Time: 450 ms.

Open Spacing 100'
N4 Read 1,2,3,4,5
Delay Time 900 ms.

ELECTRODE ARRAY

C2 C1 P1 P2 P3 P4 P5 P6 N4
N2 N3 N5

POCKET LINE
CLAIM LINE
TRAILS
ROADS
CLAIM POST
SWAMP
CLAIM POST (ASSUMED)
PRIORITIZED LANDS
W.P. WITNESSED POST

28303

NUINSCO RESOURCES LIMITED

I.P. Resistivity

Survey by: RIVAN EXPLORATION LTD.
Property: MONTIC CRESTO / ROWAN LAKE
Type/Area: /
Drawn/Checked: MTS-5877/S
Printed: /
Scale: 1" = 450'
Date: April, 1984

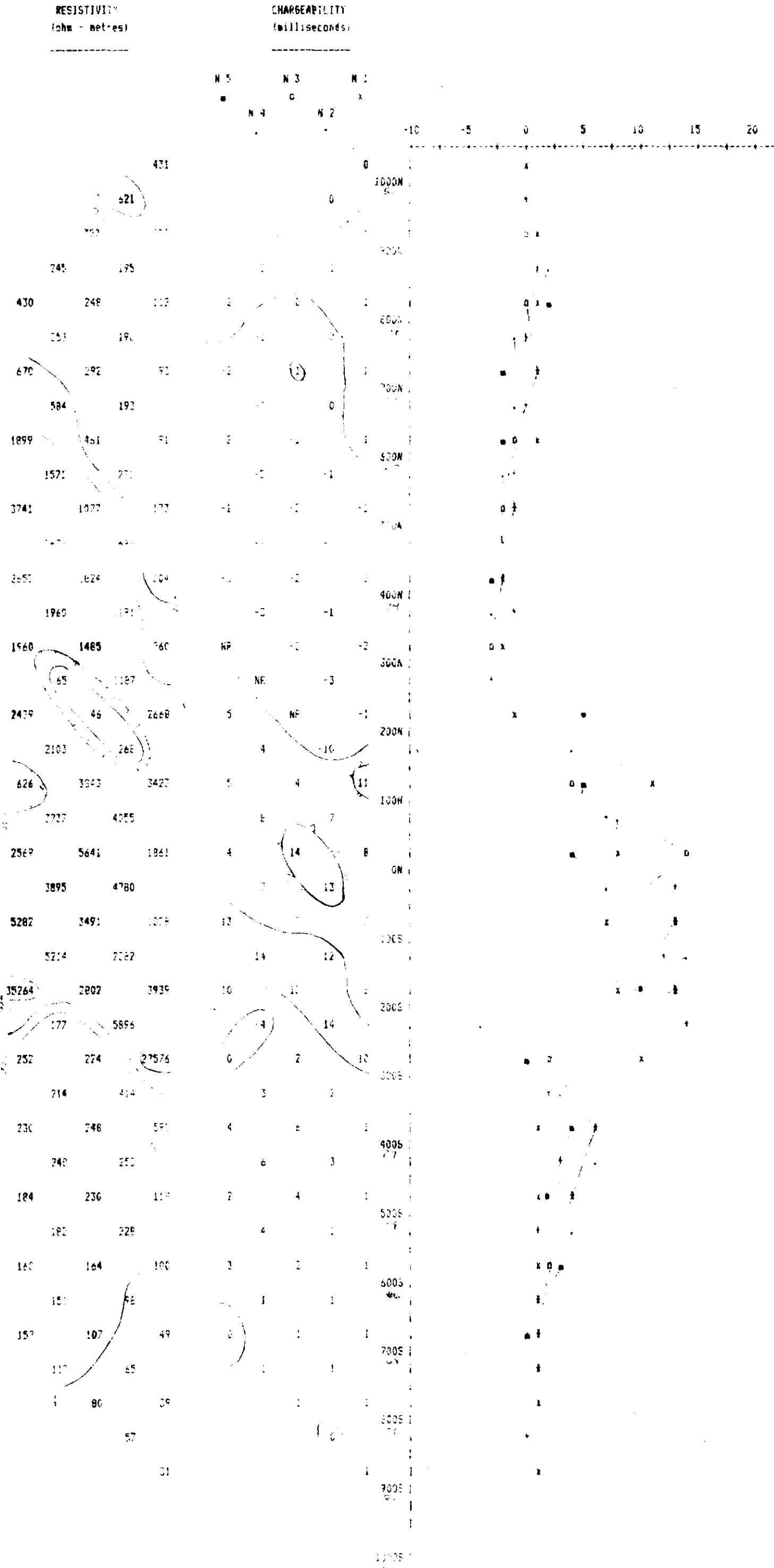


 RAYAN EXPLORATION

LINE 58 W

Property : MONTE-CRISTO
 Client : HUIB100

Date of Survey : 3/1/84
 Operator : RAM
 A Spacing : 100 F
 N Spacings Read : 1 TO 5
 Electrode Array : Pole - Dipole
 Mode : Time Domain
 Pulse Time : 2 Sec on 2 Sec off
 Delay Time : 500 ms
 Integration Time : 450 ms

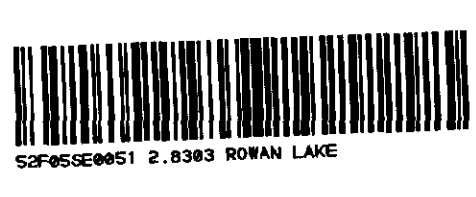
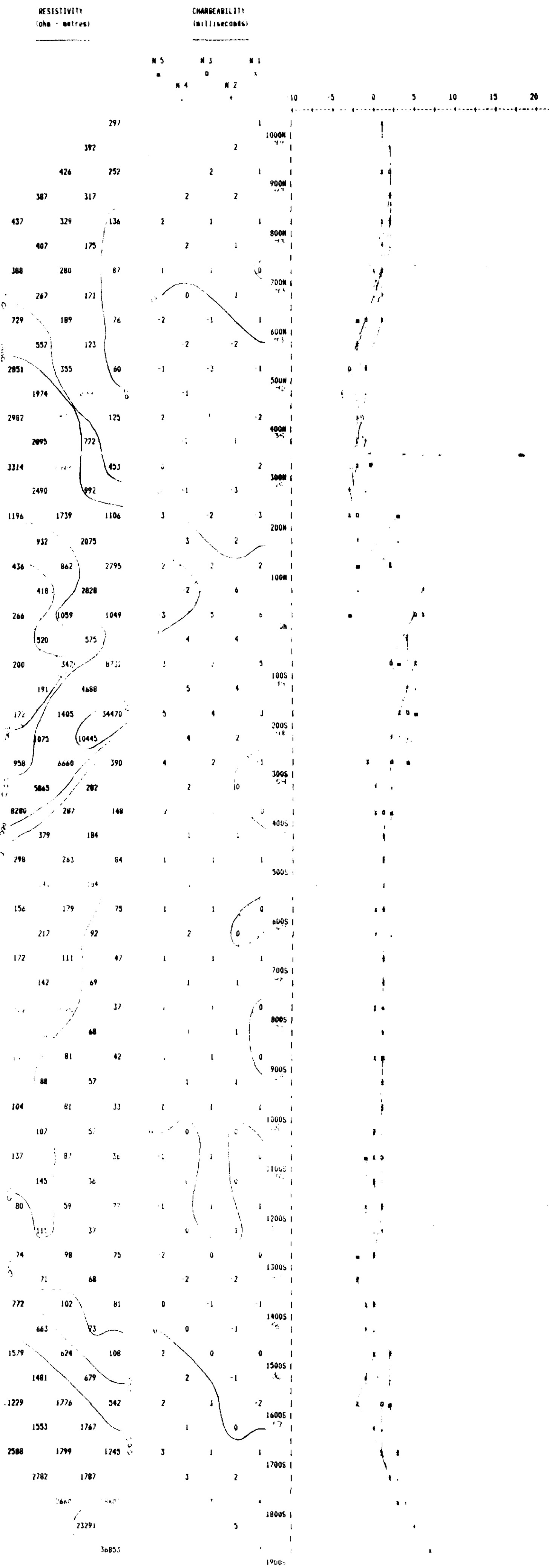


 RAYAN EXPLORATION

LINE 56 W

Property : MONTE-CRISTO
 Client : NUTNECO

Date of Survey : 3/1/84
 Operator : RAM
 A Spacing : 100 F
 N Spacings Read : 1 TO 5
 Electrode Array : Pole - Dipole
 Mode : Time Domain
 Pulse Time : 2 Sec on 2 Sec off
 Delay Time : 900 ms
 Integration Time : 450 ms

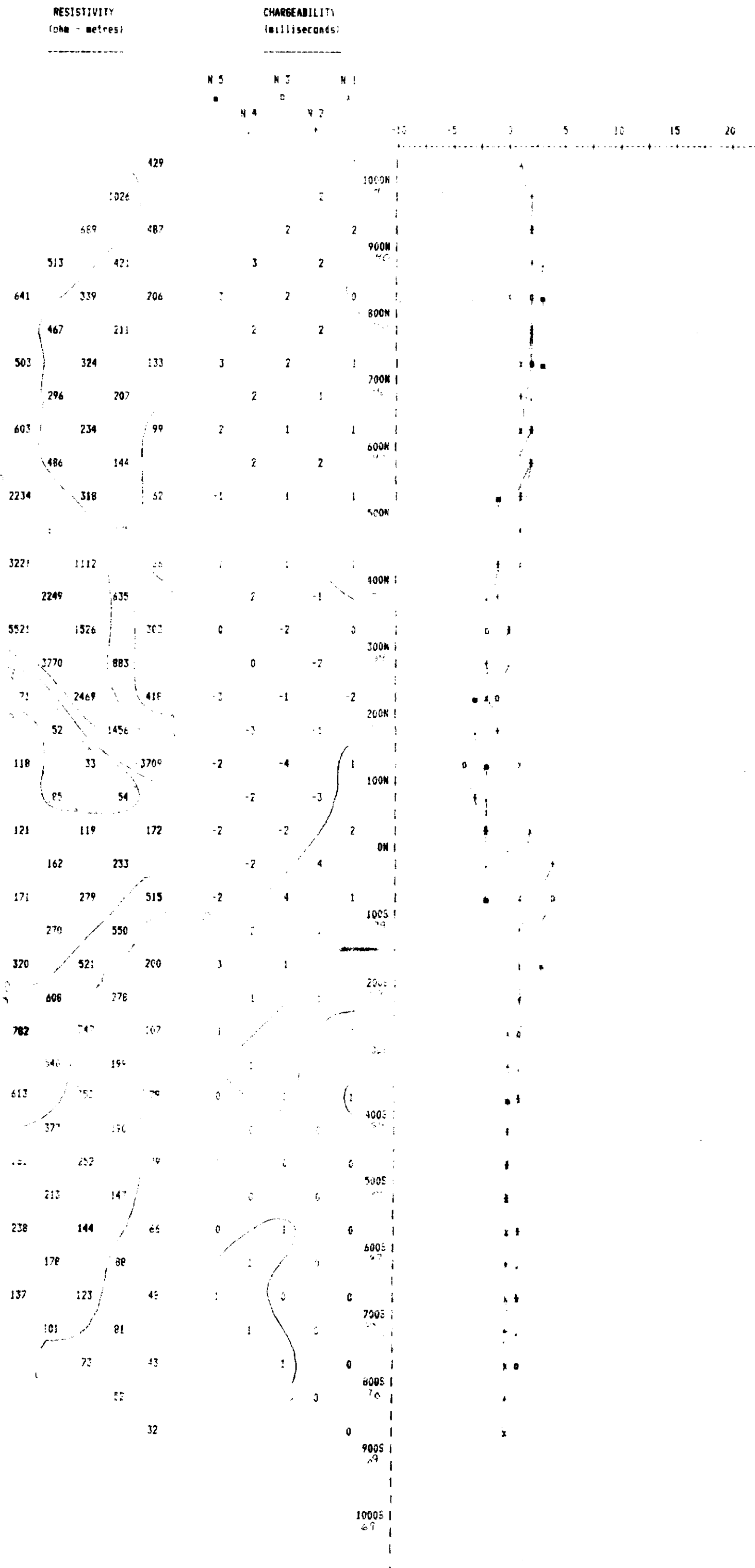


 RAYAN EXPLORATION

LINE 54 W

Project : MONTE-CRISTO
 Client : NUNIM Co

Date of Survey : 11/2/54
 Operator : SAM
 A Spacing : 100 ft
 N Spacing Lead : 1 TO 5
 Electrode Array : Pole - Dipole
 Mode : Time Domain
 Pulse Time : 2 Sec on 2 Sec off
 Delay Time : 900 ms
 Integration Time : 450 ms

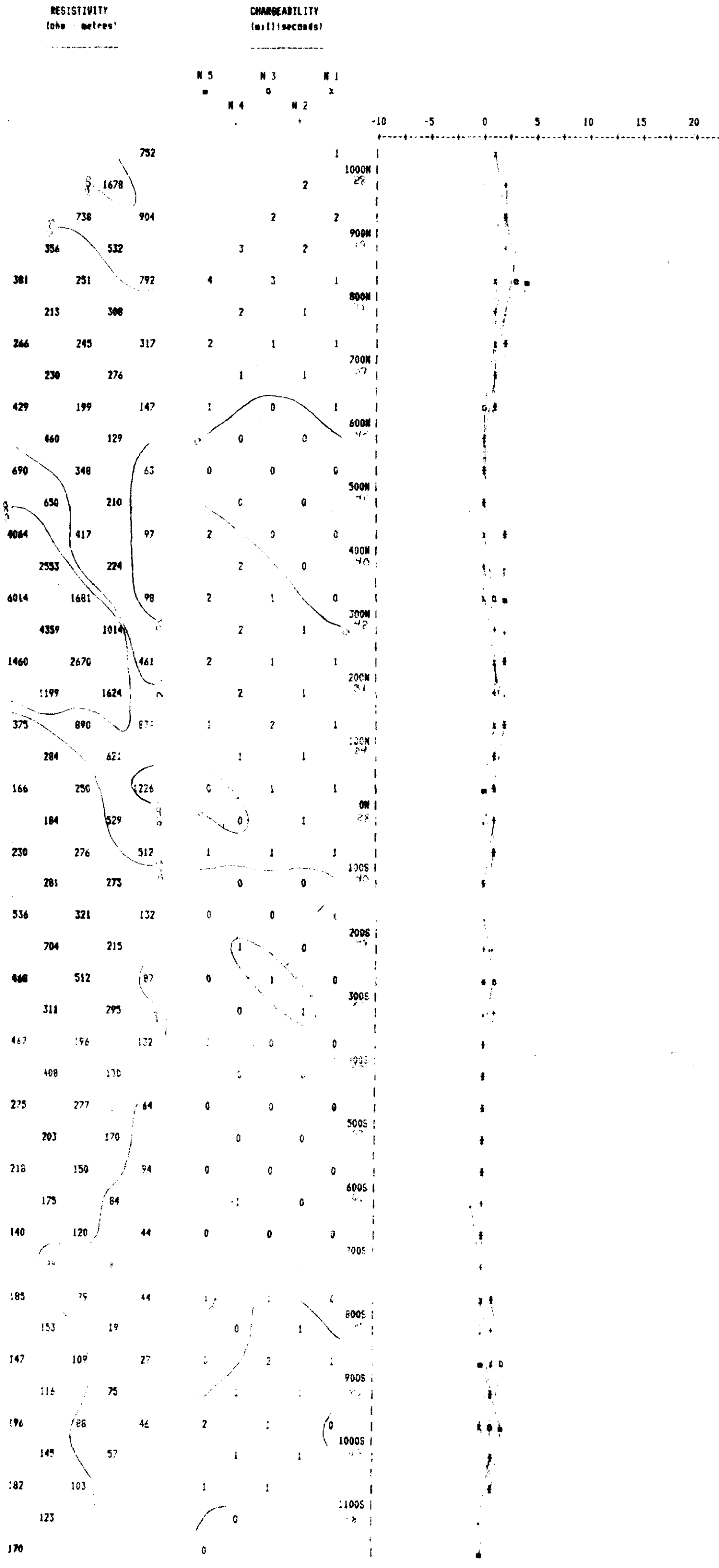


 RAYAN EXPLORATION

LINE 02 3

Property : MONTE-CRISTO
 Client : NUINSCO

Date of Survey : 3/1/84
 Operator : RAM
 A Spacing : 100 F
 N Spacings Read : 1 TO 5
 Electrode Array : Pole - Dipole
 Mode : Time Domain
 Pulse Time : 2 Sec on 2 Sec off
 Delay Time : 900 ms
 Integration Time : 450 ms

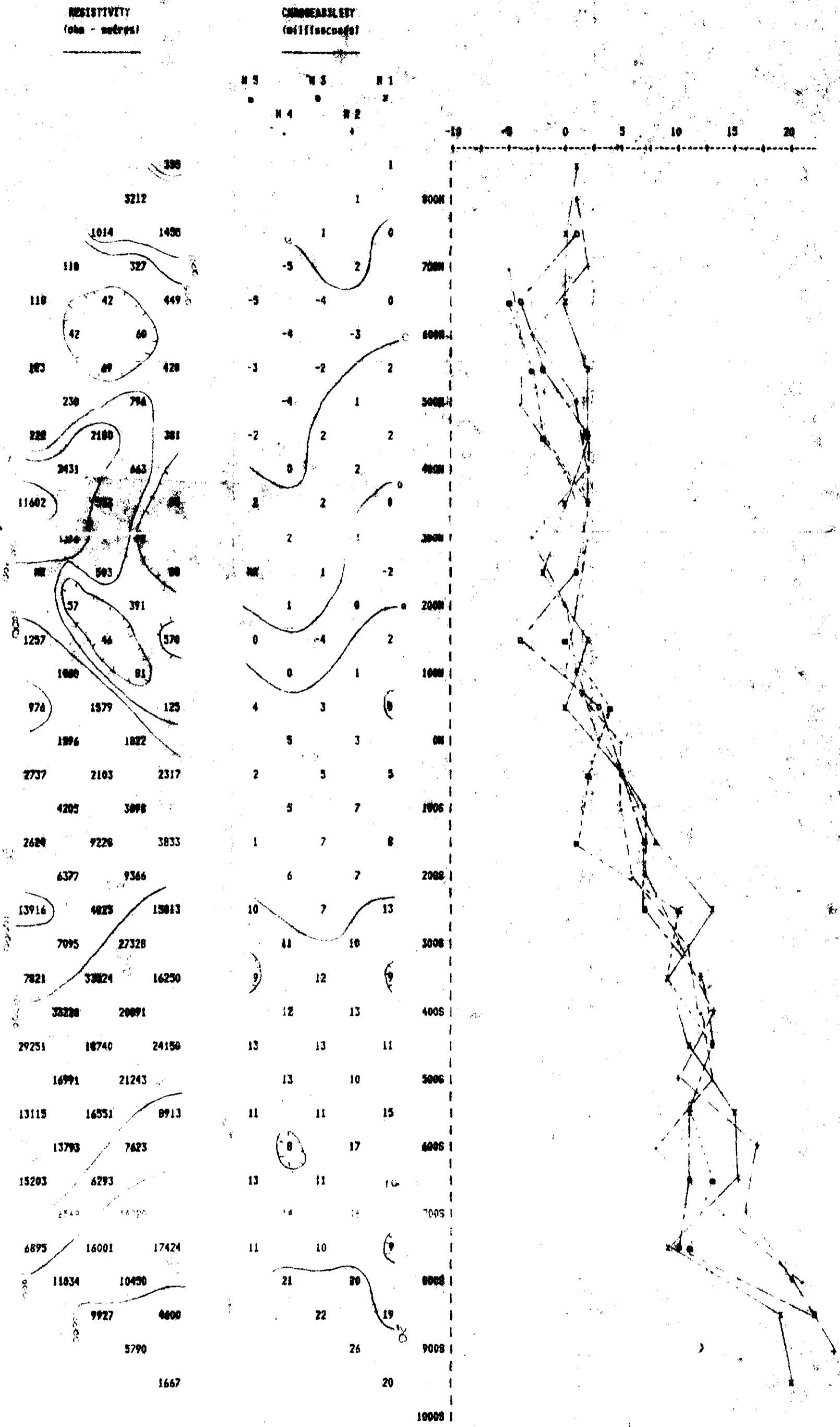


 RAYAN EXPLORATION

LINE 34 W

Property : MONTE-CRISTO
 Client : NUINSCO

Date of Survey : 4/4/89
 Operator : RAM
 A Spacing : 100 F
 N. Spacings Read : 1 TO 5
 Electrode Array : Dipole - Dipole
 Mode : Time Domain
 Pulse Time : 2 Sec on 2 Sec off
 Delay Time : 200 ms
 Integration Time : 450 ms



 RAYAN EXPLORATION

LINE NO 8

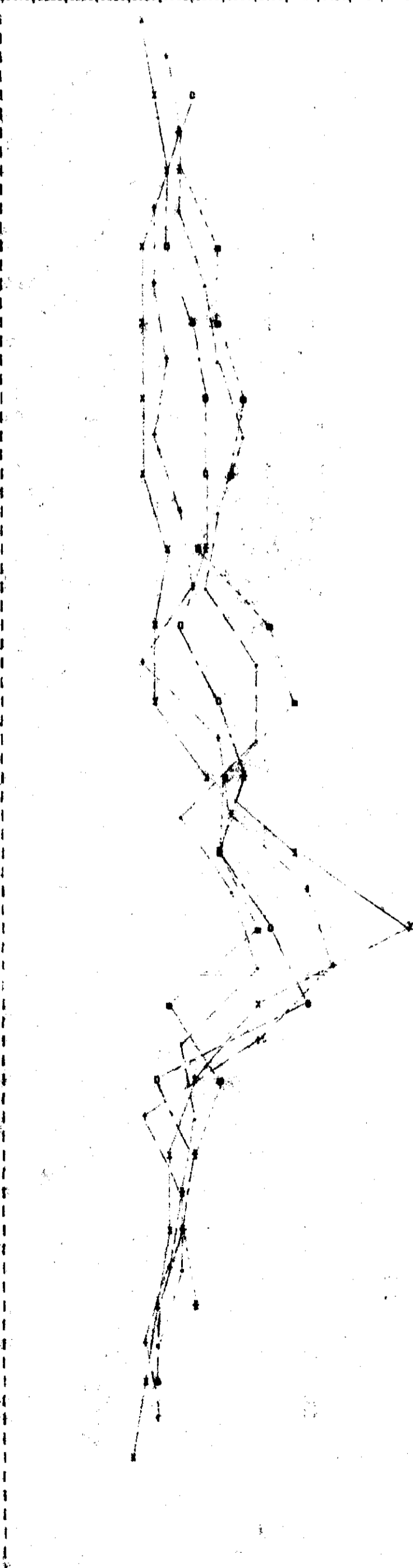
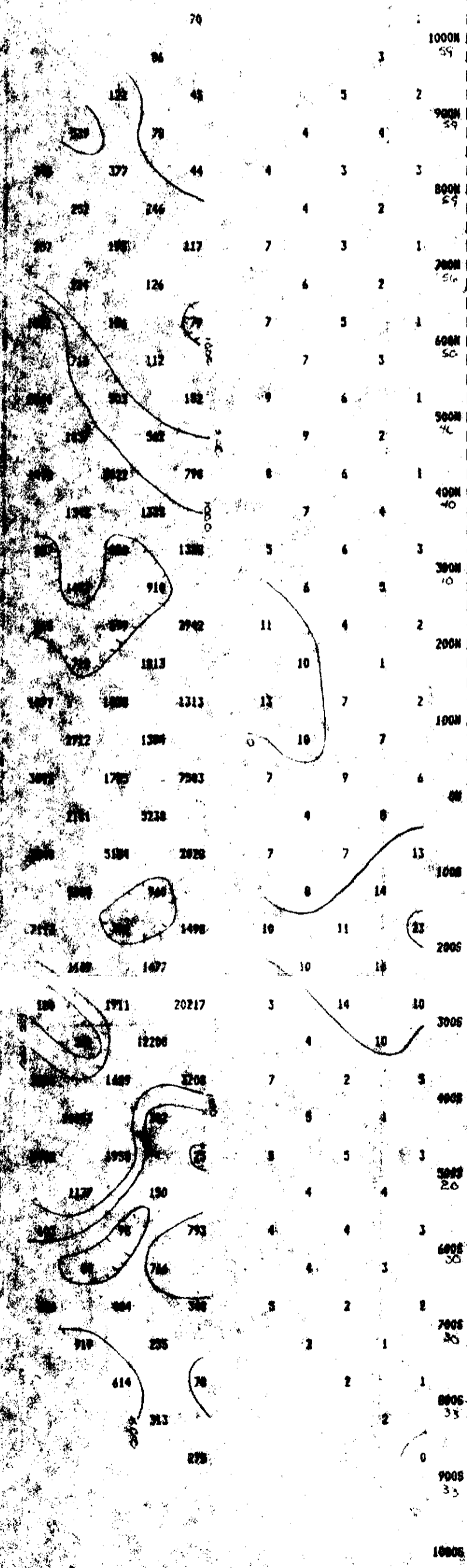
Property : MONTE-CRISTO
 Locality : NUINSOO
 Date of Survey : 1/3/29/84
 Recorder : RAM
 Frequency : 100 F
 Spacing : 1 TO 5
 Electrode Array : Pole - Dipole
 Mode : Time Domain
 Pulse Width : 2 Sec on 2 Set off
 Pulse Rate : 900 ms
 Integration Time : 450 ms

RESISTIVITY
 (ohm-meters)

CHARACTERISTICS
 (milliseconds)

N 3 N 3 N 1
 N 4 N 2 X

-10 -5 0 5 10 15 20

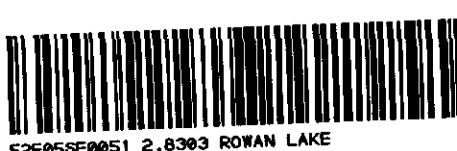
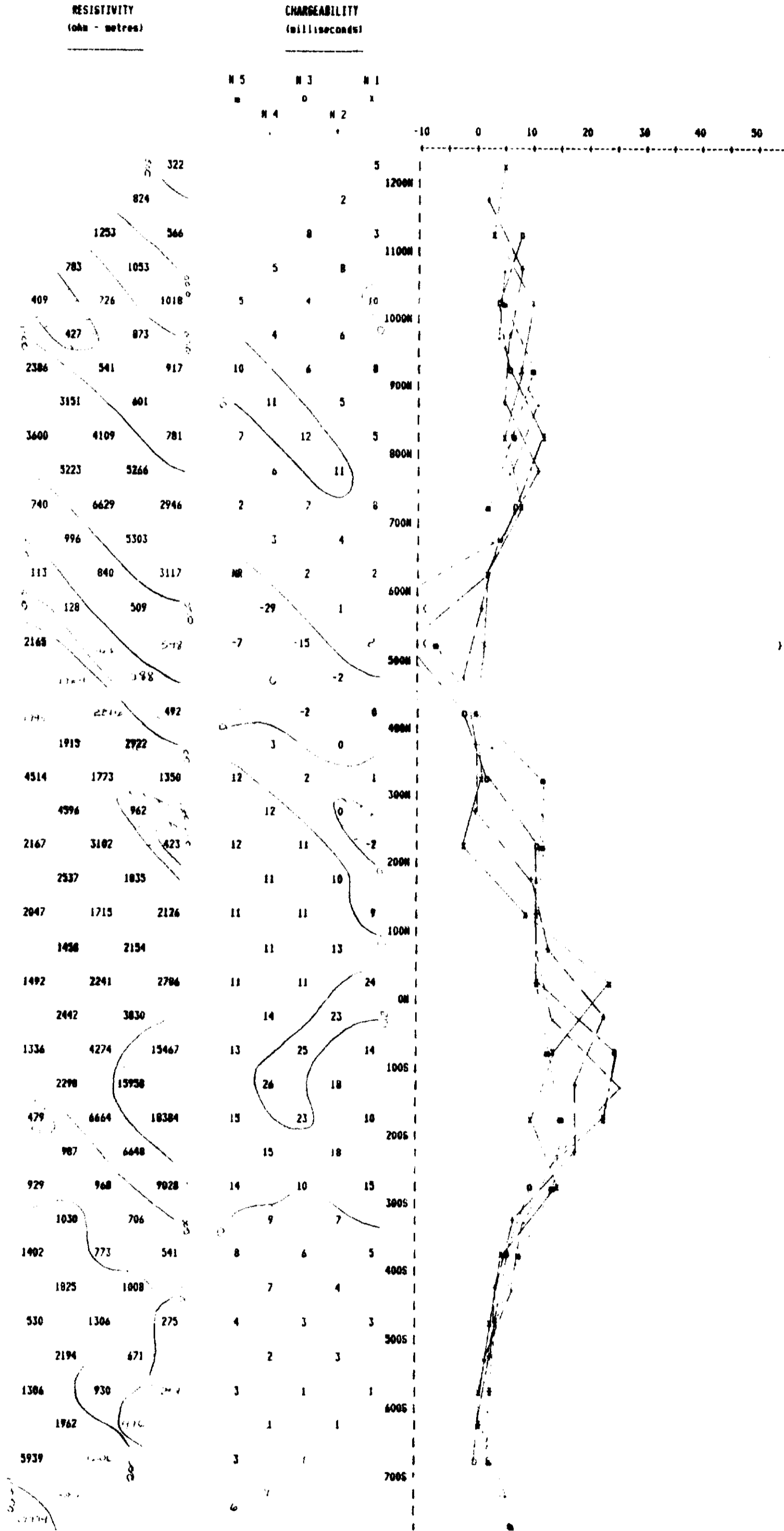


 RAYAN EXPLORATION

LINE 02

Property : MONTE-CRISTO
 Client : NUINSCO

Date of Survey : 3/30/84
 Operator : RAM
 A Spacing : 100 F
 N Spacings Read : 1 TO 5
 Electrode Array : Pole - Dipole
 Mode : Time Domain
 Pulse Time : 2 Sec on 2 Sec off
 Delay Time : 900 ms
 Integration Time : 450 ms

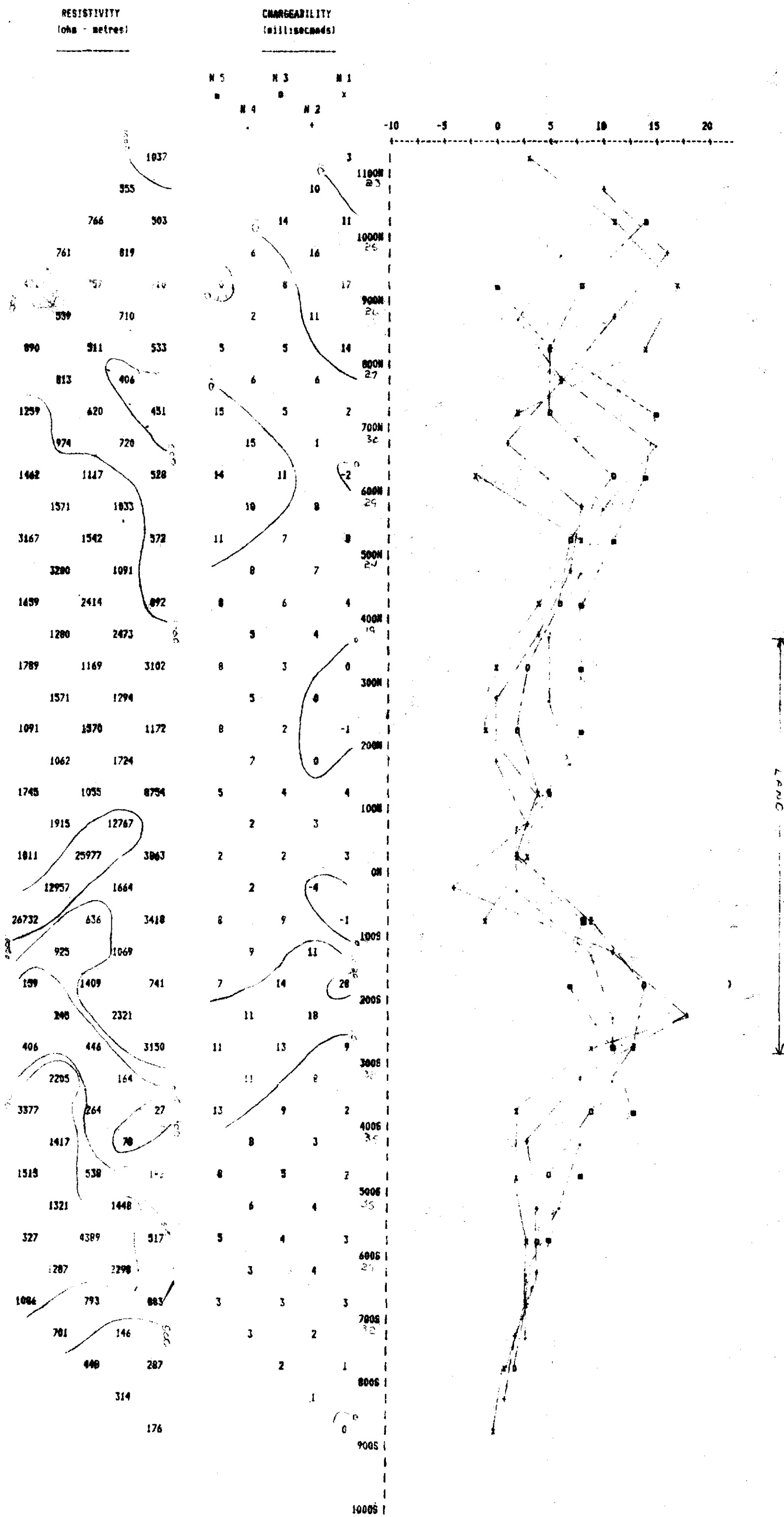


 RAYAN EXPLORATION

LINE 24 E

Property : MONTE-CRISTO
 Client : NUNISCO

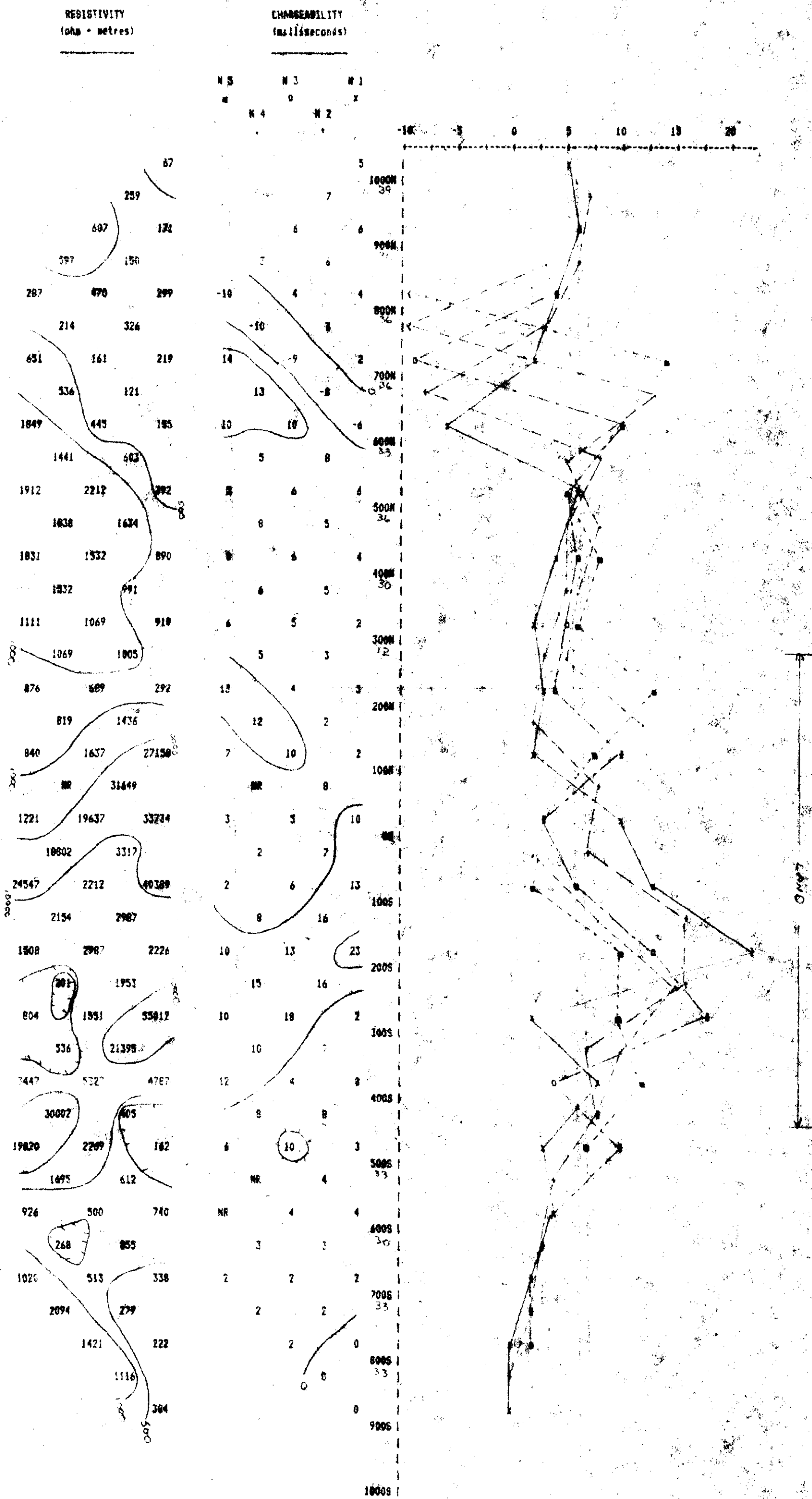
Date of Survey : 3/30/84
 Operator : RAM
 A Spacing : 100 F
 N Spacings Read : 1 TO 5
 Electrode Array : Pole - Dipole
 Mode : Time Domain
 Pulse Time : 2 Sec on 2 Sec off
 Delay Time : 900 ms
 Integration Time : 450 ms



RAYAN EXPLORATION

LINE NN E

Property : MONTE-CRISTO
 Client : NUINSCO
 Date of Survey : 3/29/84
 Operator : RAM
 A Spacing : 100 F
 N Spacings Read : 1 TO 5
 Electrode Array : Pole - Dipole
 Mode : Time Domain
 Pulse Time : 2 Sec on 2 Sec off
 Delay Time : 900 ms
 Integration Time : 450 ms



RAYAN EXPLORATION

LINE 24

Project : MONTECRISTO
 Sheet : BUENCO

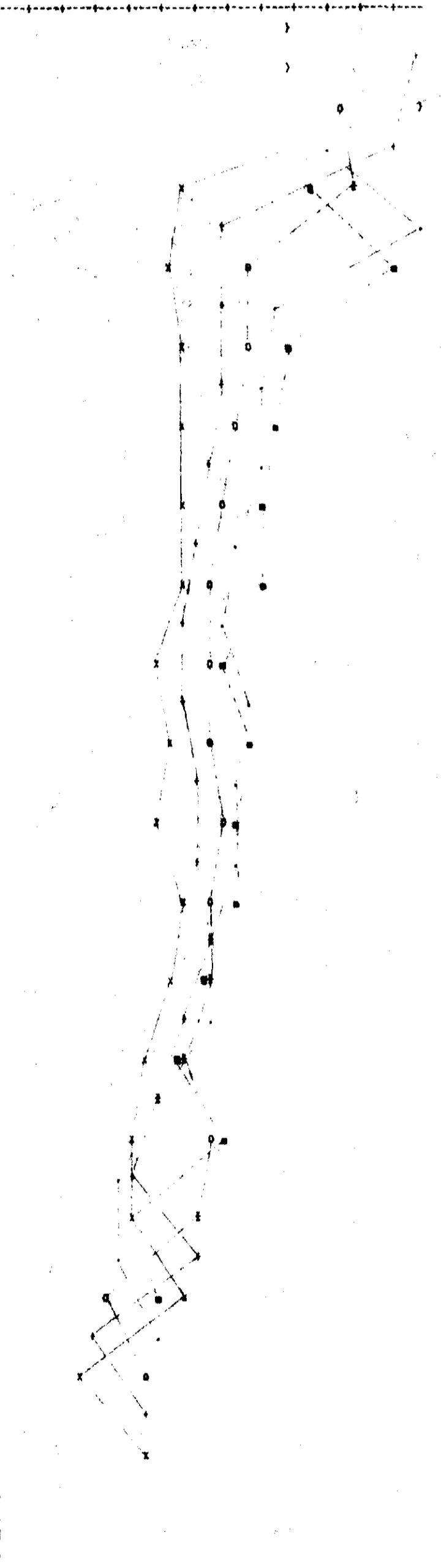
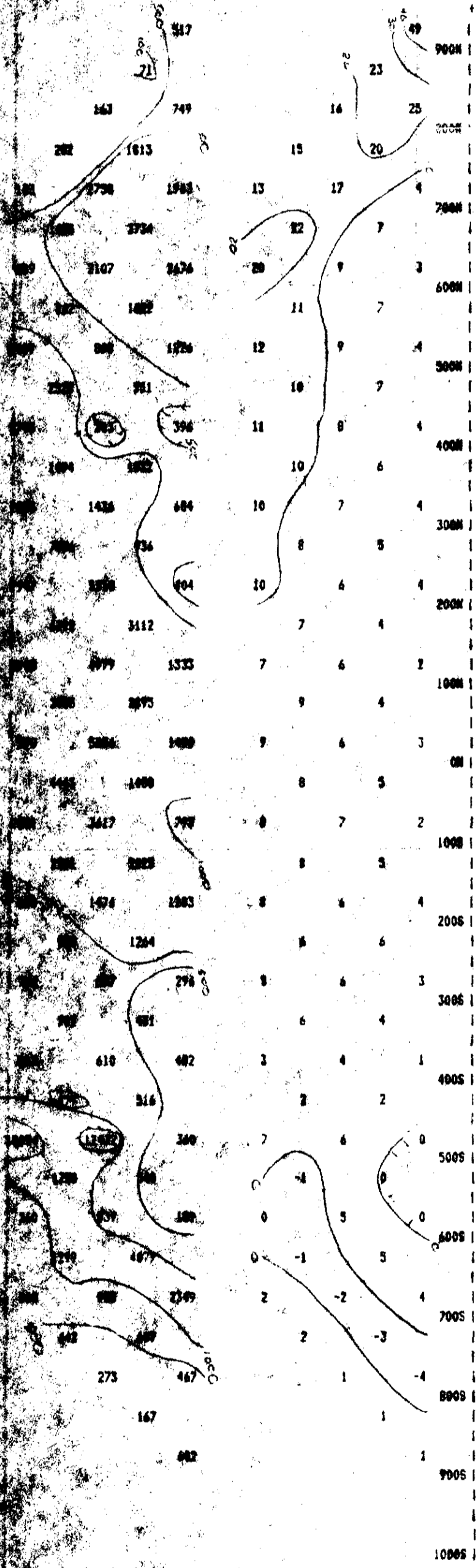
Survey : 3/29/84
 Method : RAM
 Spacing : 100 F
 Read : 1 TO 5
 Array : Pole - Dipole
 Time : 1.5 Sec on 2 Sec off
 Pulse : 900 mA
 Integration Time : 450 ms

RESISTIVITY
 (ohm - metres)

CHARGEABILITY
 (milliseconds)

N 5 N 5 N 1
 N 4 N 2 X

-10 -5 0 5 10 15 20

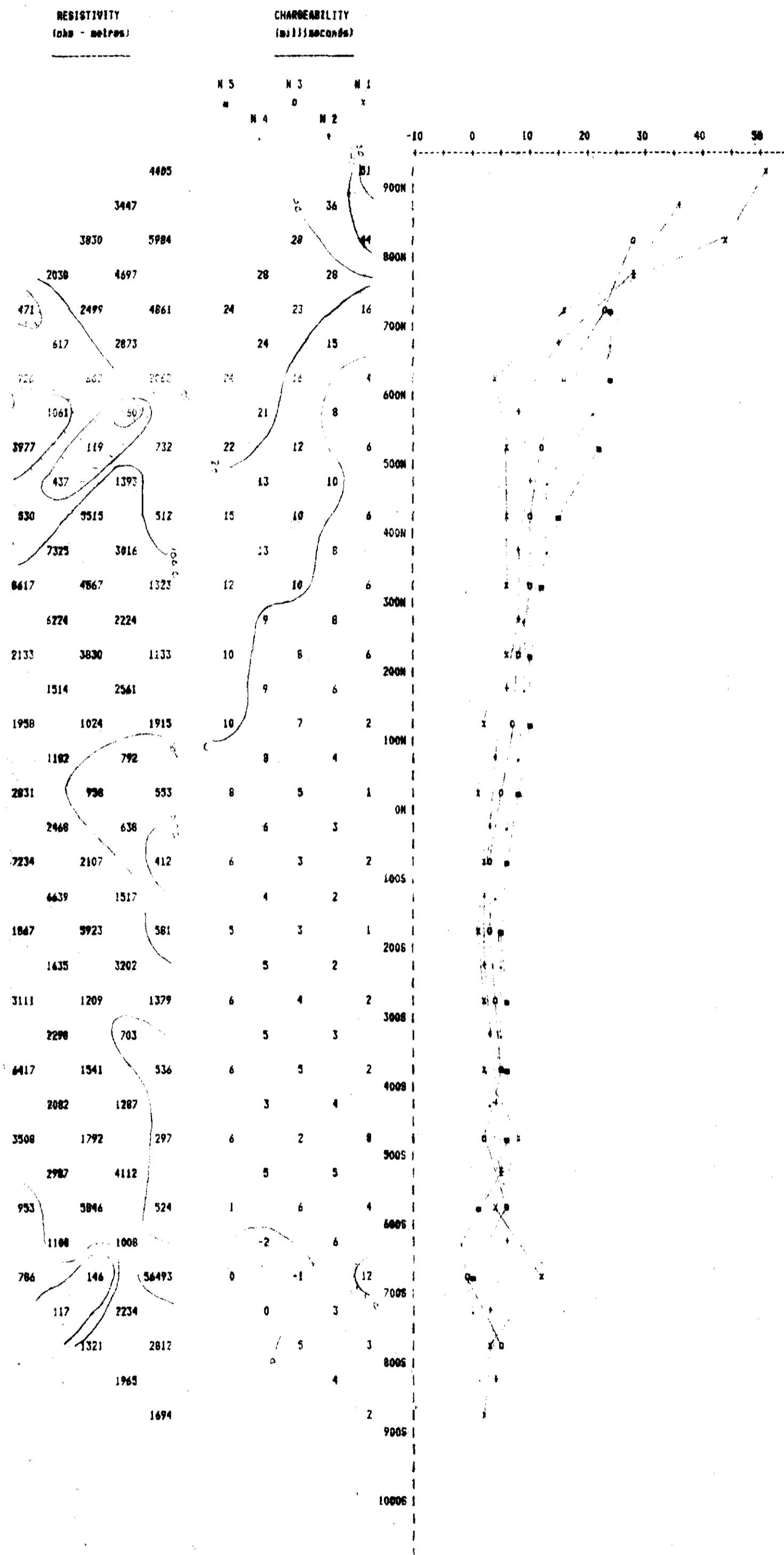


 RAYAN EXPLORATION

LINE NO 1

Property : MONTE-CRISTO
 Client : NUINSCO

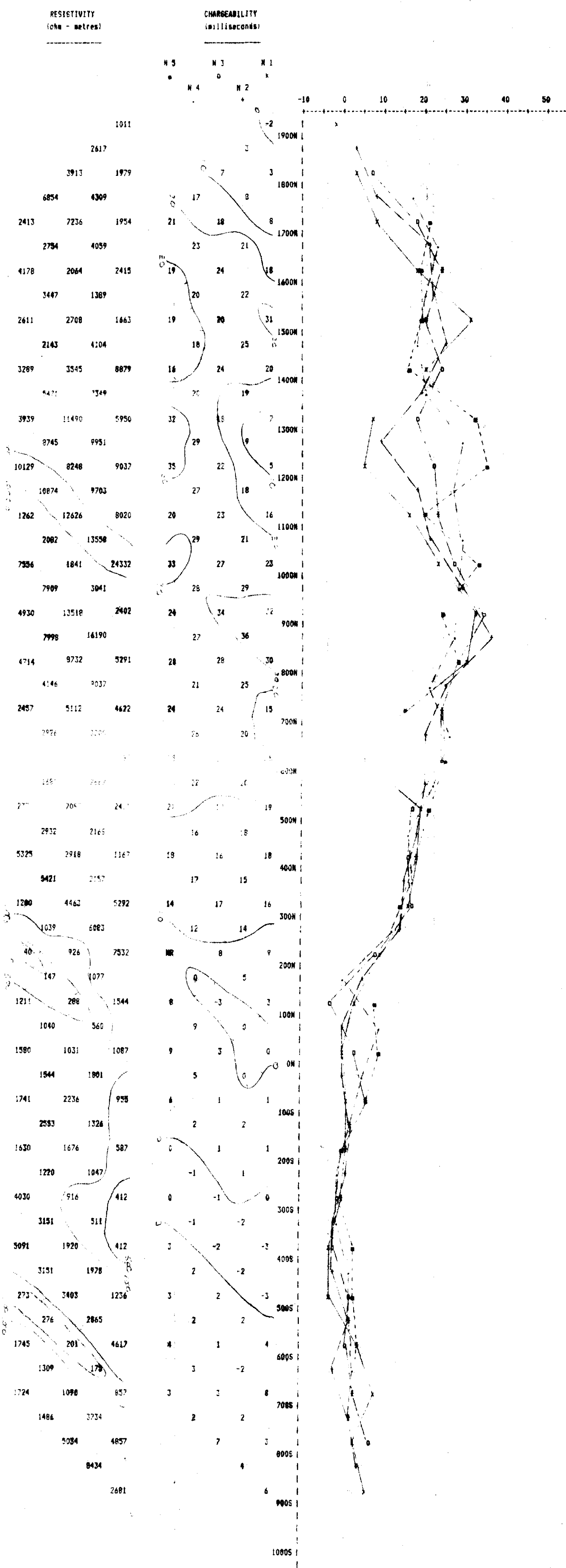
Date of Survey : 3/20/84
 Operator : RAM
 A Spacing : 100 F
 N Spacings Read : 1 TO 5
 Electrode Array : Pole - Dipole
 Mode : Time Domain
 Pulse Time : 2 Sec on 2 Sec off
 Delay Time : 900 ms
 Integration Time : 450 ms



 RAYAN EXPLORATION

LINE 30 E

Property : MONTE-CRISTO
 Client : NUINSCO
 Date of Survey : 4/4/84
 Operator : RAM
 A Spacing : 100 F
 N Spacings Read : 1 TO 5
 Electrode Array : Pole - Dipole
 Mode : Time Domain
 Pulse Time : 2 Sec on 2 Sec off
 Delay Time : 900 ms
 Integration Time : 450 ms

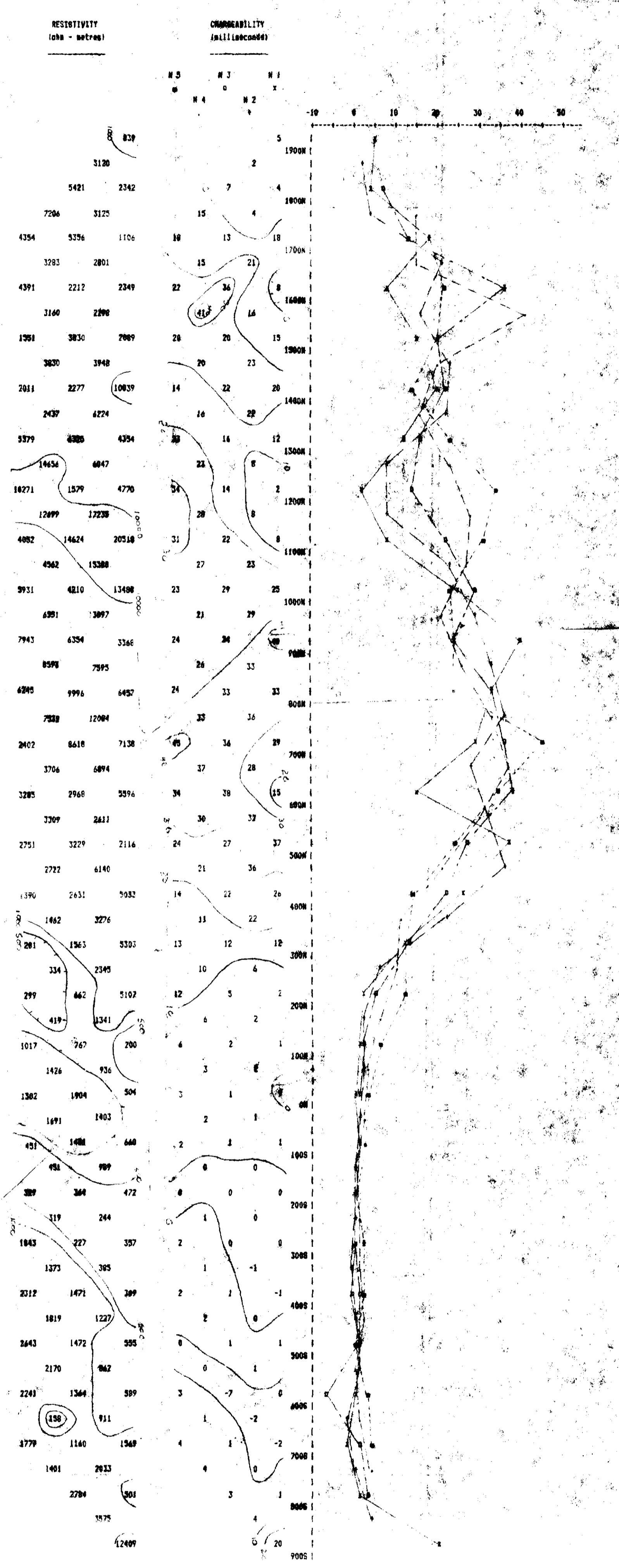


 RAYAN EXPLORATION

LINE 32 E

Property : MONTE-CRISTO
 Client : NUINSCO

Date of Survey : 4/3/84
 Operator : RAM
 A Spacing : 100 F
 N Spacings Read : 1 TO 5
 Electrode Array : Pole - Dipole
 Mode : Time Domain
 Pulse Time : 2 Sec on 2 Sec off
 Delay Time : 900 ms
 Integration Time : 450 ms

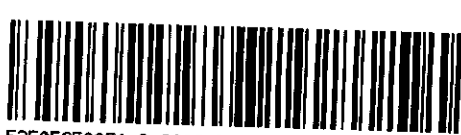
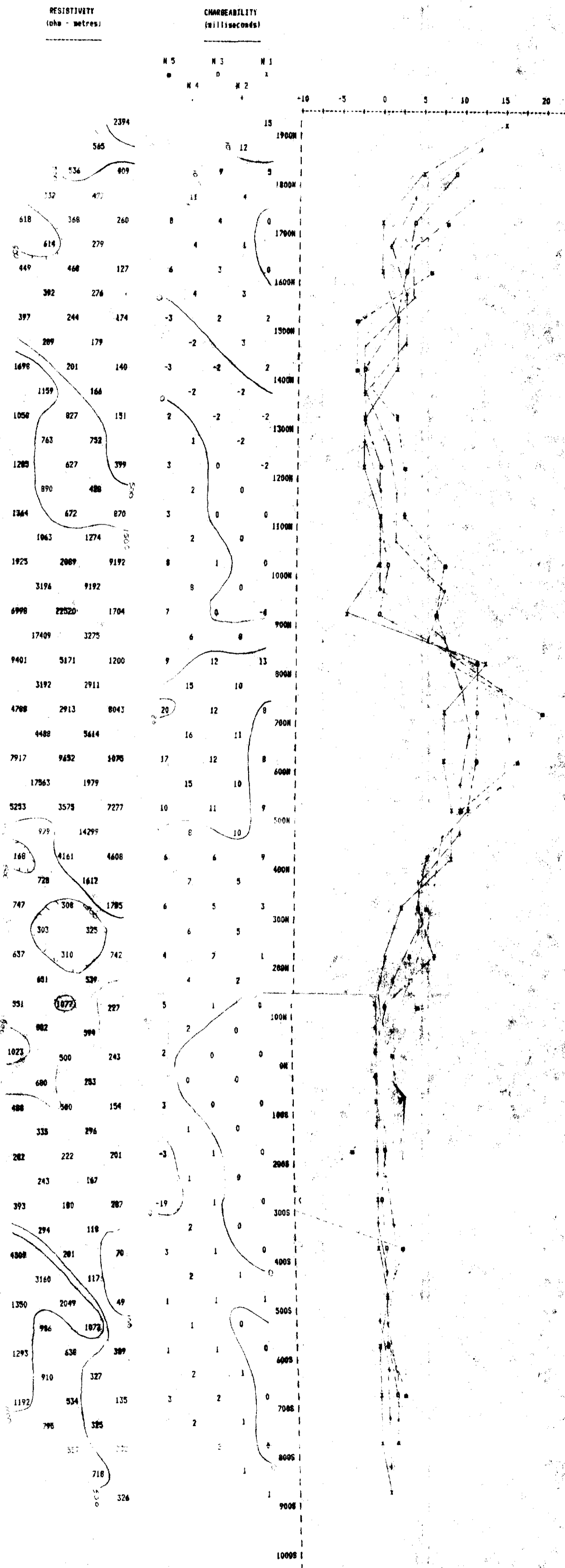


 RAYAN EXPLORATION

LINE 30

Property : MONTE-CRISTO
 Client : NUINSCO

Date of Survey : 4/1/84
 Operator : RAM
 A Spacing : 100 F
 N Spacings Read : 1 TO 5
 Electrode Array : Pole - Dipole
 Mode : Time Domain
 Pulse Time : 2 Sec on 2 Sec off
 Delay Time : 900 ms
 Integration Time : 450 ms

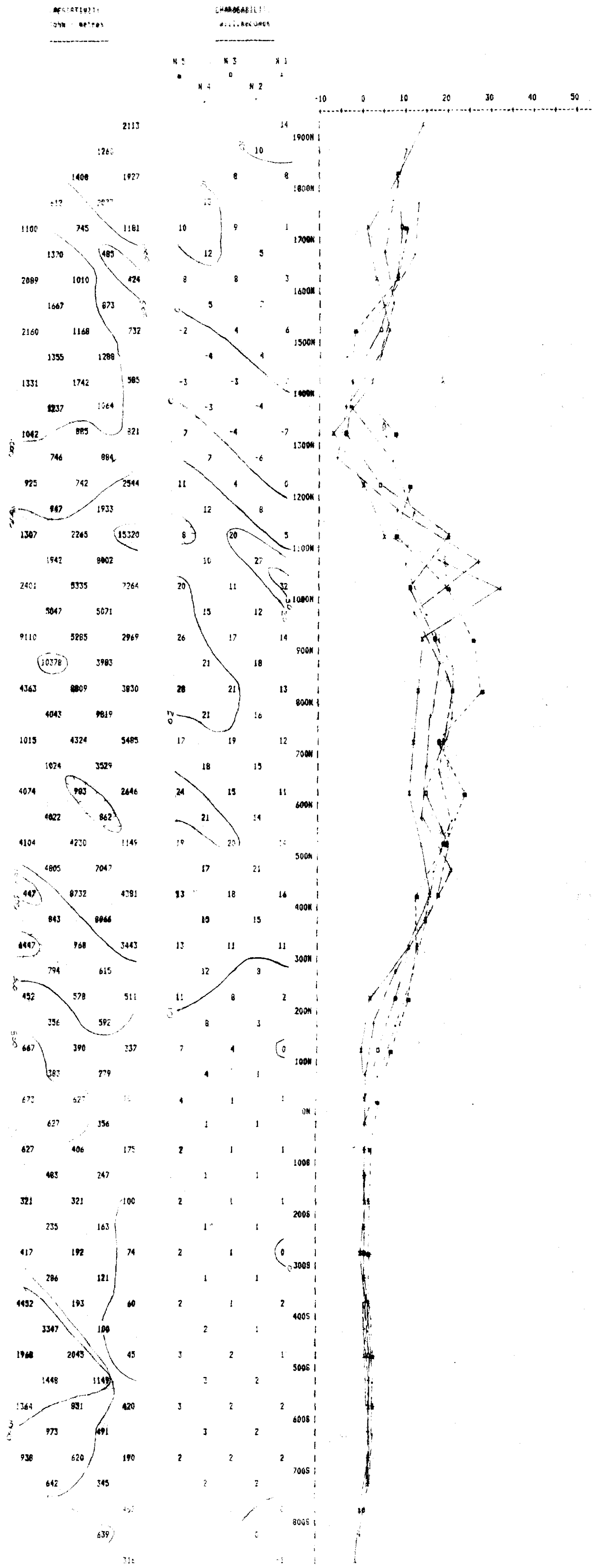


 RAYAN EXPLORATION

LINE 36 E

Property : MONTE-CRISTO
 Client : NUINCO

Date of Survey : 4/1/84
 Operator : PAM
 A Spacing : 100 F
 N Spacings Read : 1 TO 5
 Electrode Array : Pole - Dipole
 Mode : Time Domain
 Pulse Time : 1 Sec on 2 Sec off
 Delay Time : 900 ms
 Integration Time : 450 ms

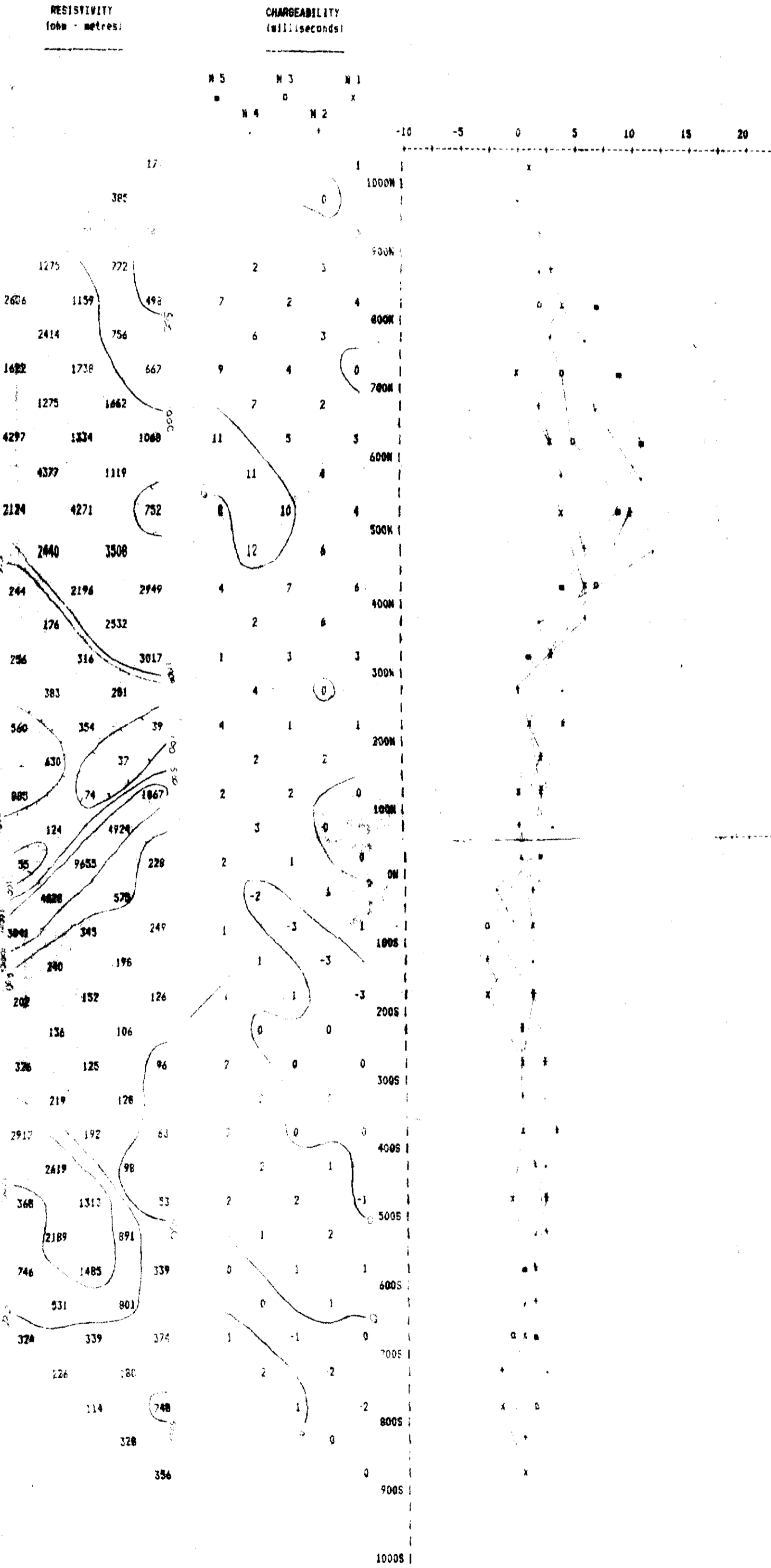


 RAYAN EXPLORATION

LINE 40 E

Property : MONTE-CRISTO
 Client : NUINSCO

Date of Survey : 4/2/84
 Operator : RAM
 A Spacing : 100 F
 N Spacings Read : 1 TO 5
 Electrode Array : Pole - Dipole
 Mode : Time Domain
 Pulse Time : 2 Sec on 2 Sec off
 Delay Time : 900 ms
 Integration Time : 450 ms

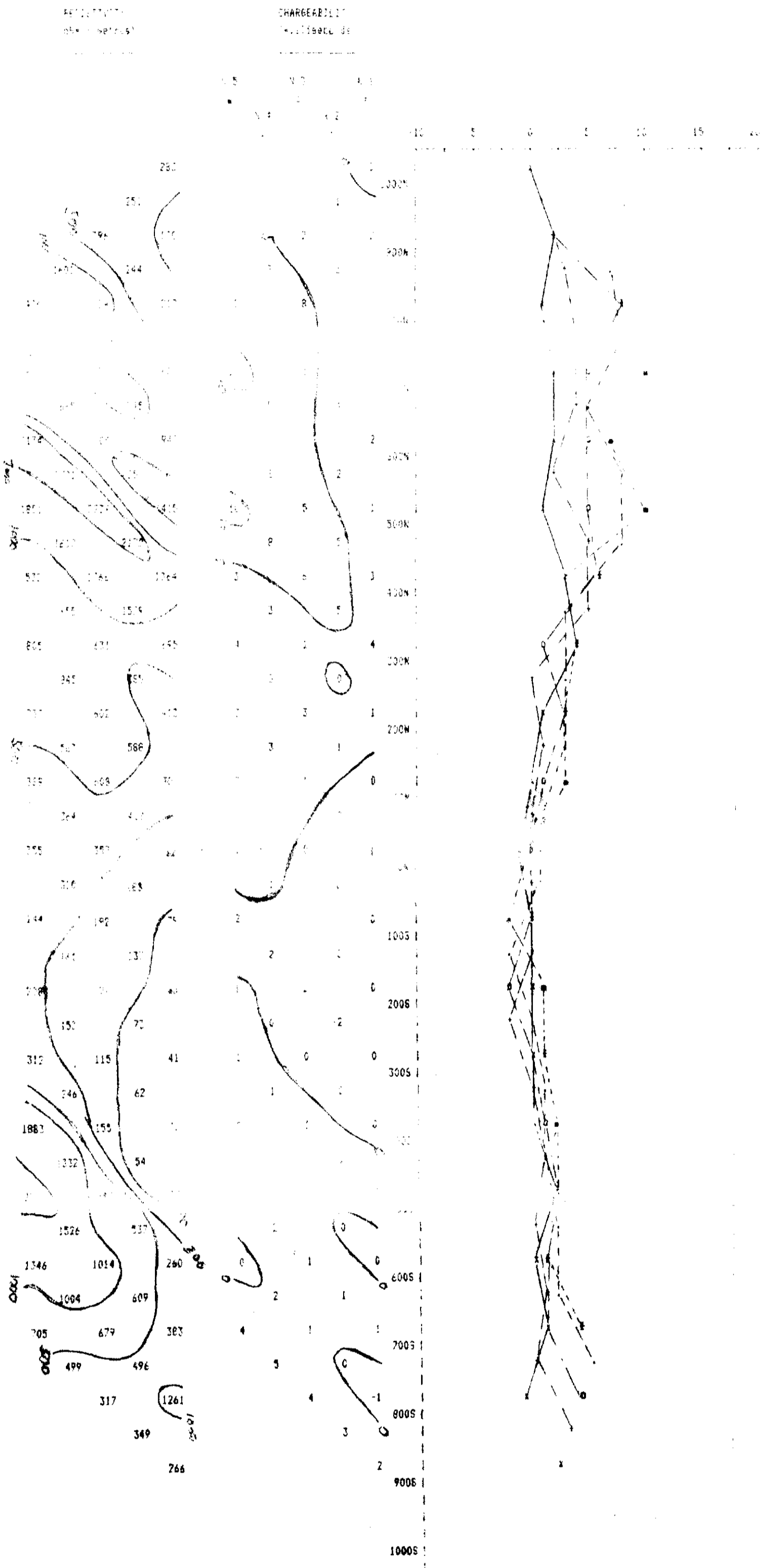


 ROYAN EXPLORATION

LINE 44 E

Project: MONTE-CRISTO
 Client: IMPINCO

Date of Survey: 1/2/94
 Operator: RAM
 C. Time: 100 f
 N. Frequency: 1: 1: 10 5
 Filter Array: Pole Dipole
 Main Time Domain
 Charge Time: 2 Sec on 2 Sec off
 Delay Time: 900 ms
 Integration Time: 450 ms

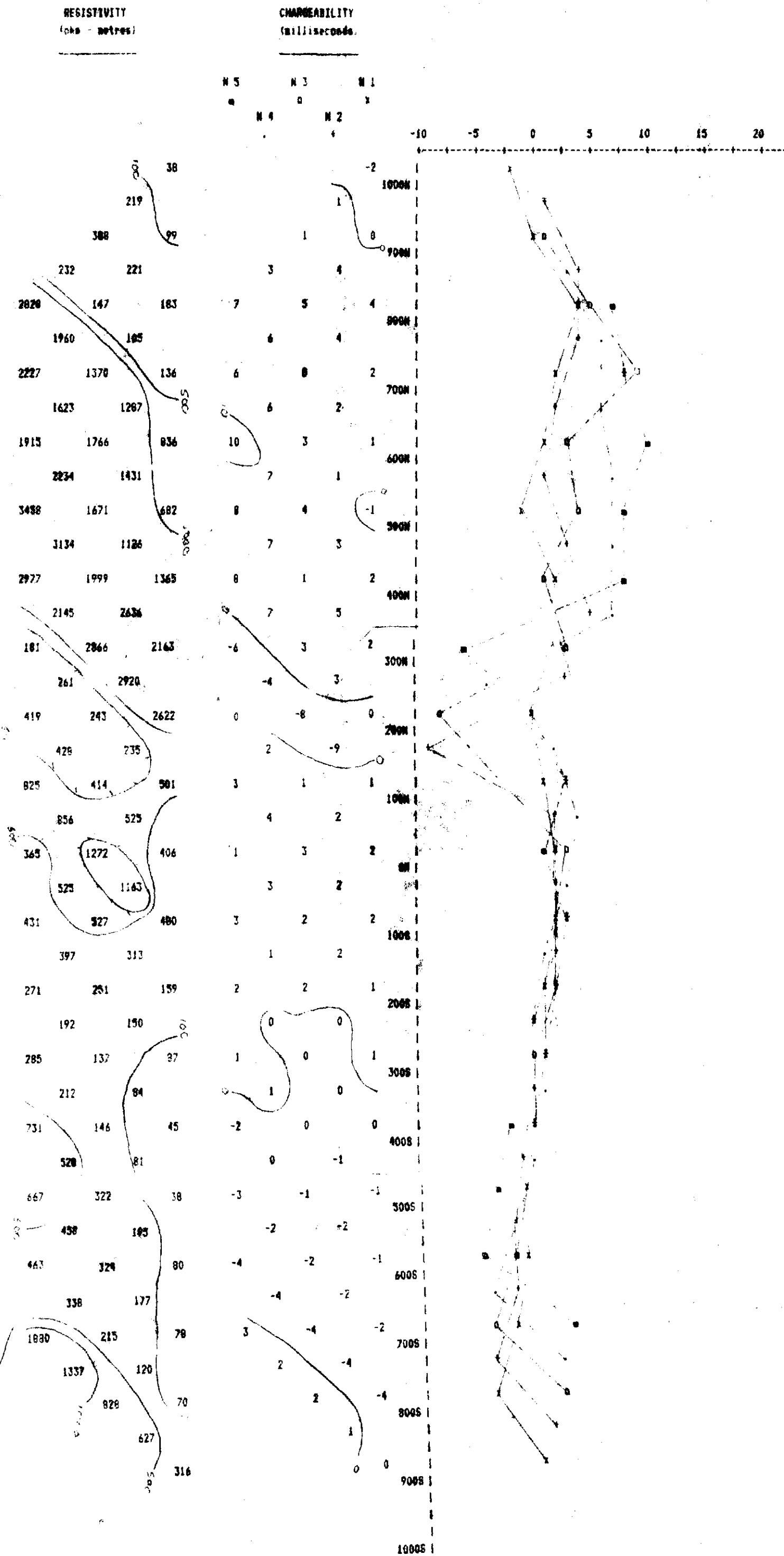


 RAYAN EXPLORATION

LINE 40 E

Property : MONTE-CRISTO
 Client : NUINSCO

Date of Survey : 4/2/84
 Operator : RAM
 A Spacing : 100 F
 N Spacings Read : 1 TO 5
 Electrode Array : Pole - Dipole
 Mode : Time Domain
 Pulse Time : 2 Sec on 2 Sec off
 Delay Time : 900 ms
 Integration Time : 450 ms

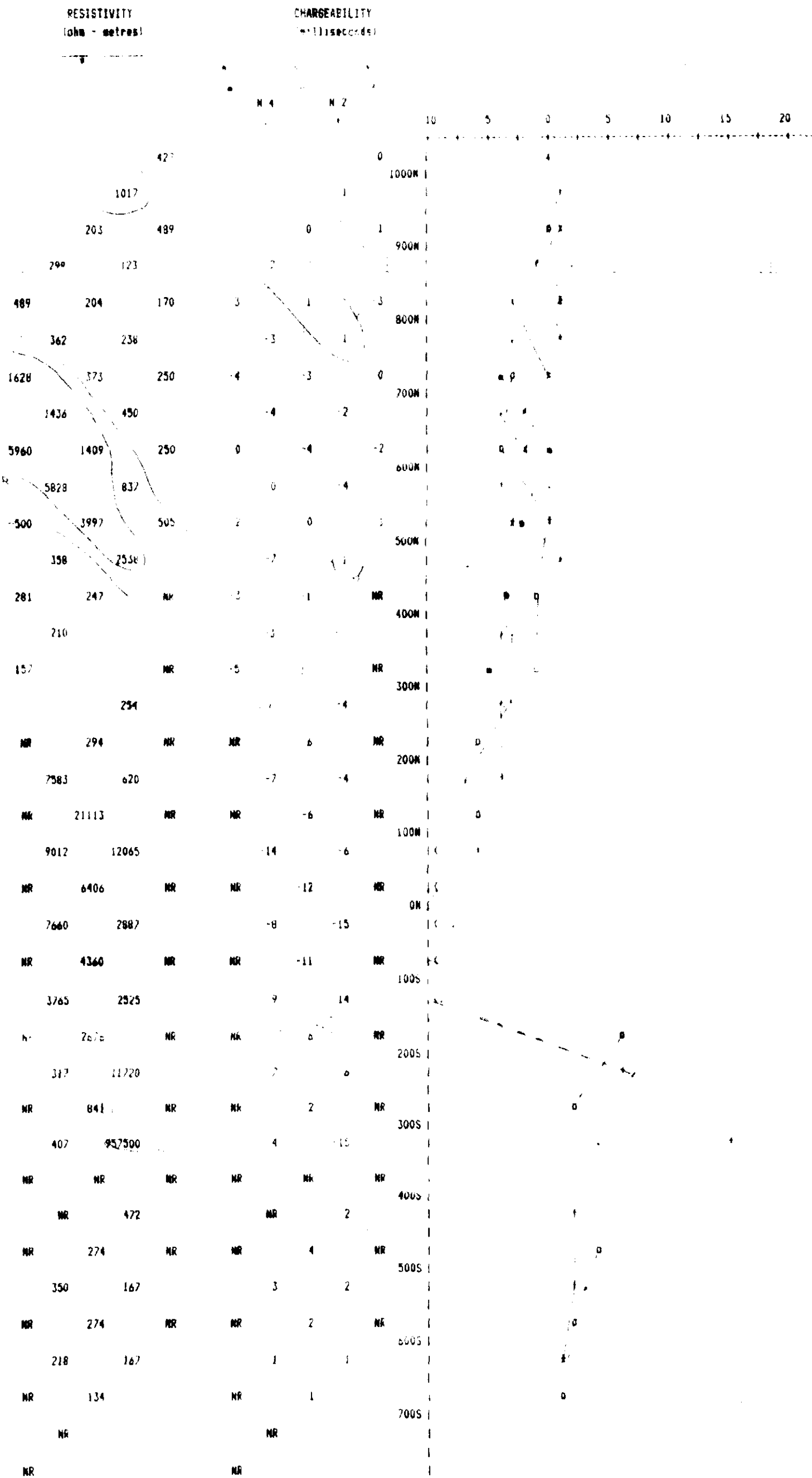


 RAYAN EXPLORATION

LINE 60 W

Property : MONTE-CRISTO
 Client : NUINSCO

Date of Survey : 3/1/84
 Operator : RAM
 A Spacing : 100 F
 N Spacings Read : 1 TO 5
 Electrode Array : Pole - Dipole
 Mode : Time Domain
 Pulse Time : 2 Sec on 2 Sec off
 Delta Time : 200 ms
 Integration Time : 45 ms



 RAYAN EXPLORATION

LINE 6N 2

Property : MONTE-CRISTO
 Client : NUINSCO

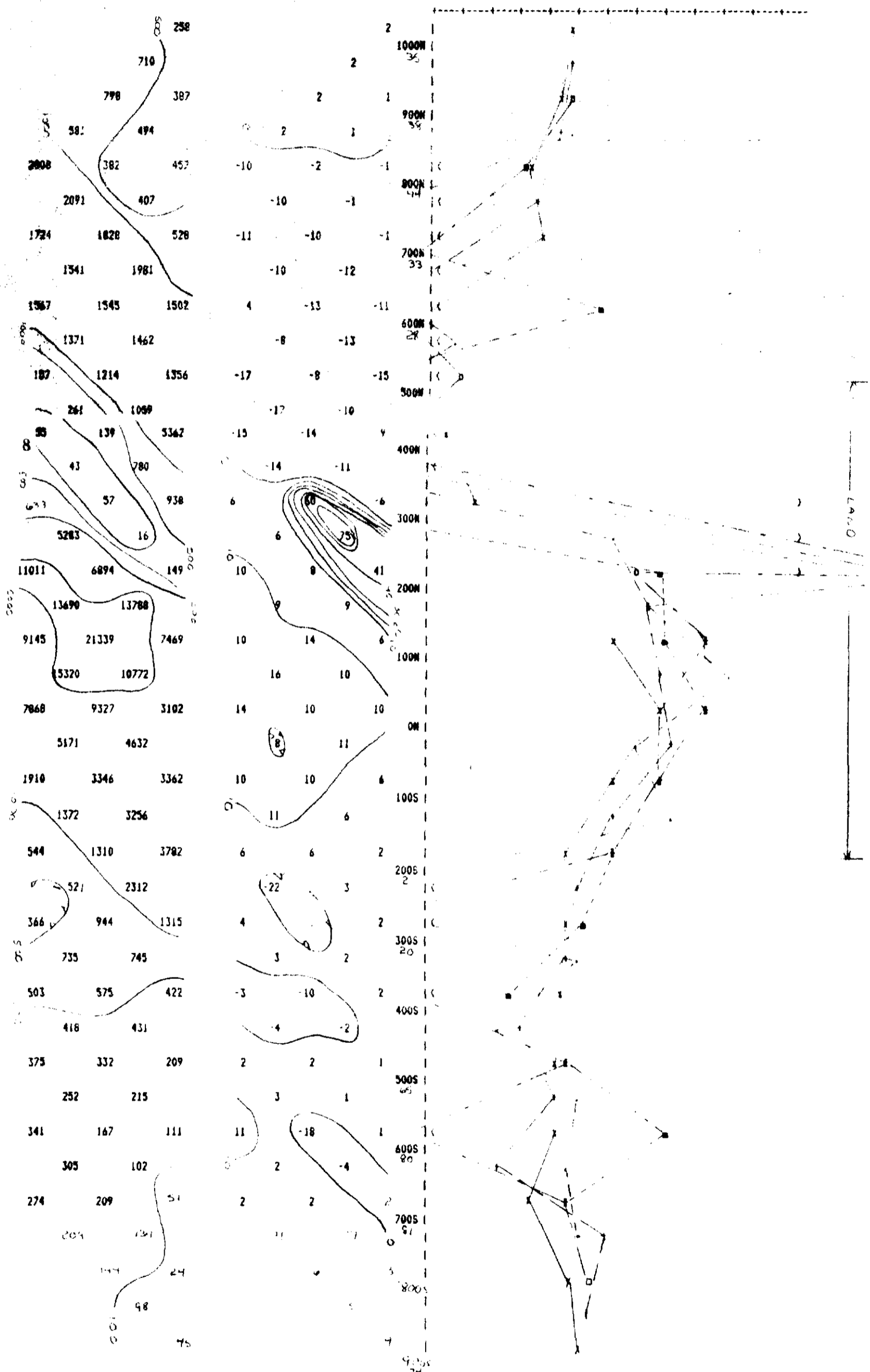
Date of Survey : 3/1/84
 Operator : RAM
 A Spacing : 100 F
 N Spacings Read : 1 TO 5
 Electrode Array : Pole - Dipole
 Mode : Time Domain
 Pulse Time : 2 Sec on 2 Sec off
 Delay Time : 900 ms
 Integration Time : 450 ms

RESISTIVITY
 (ohm - metres)

CHARGEABILITY
 (milliseconds)

N 5 N 3 N 1
 N 4 0 N 2 X

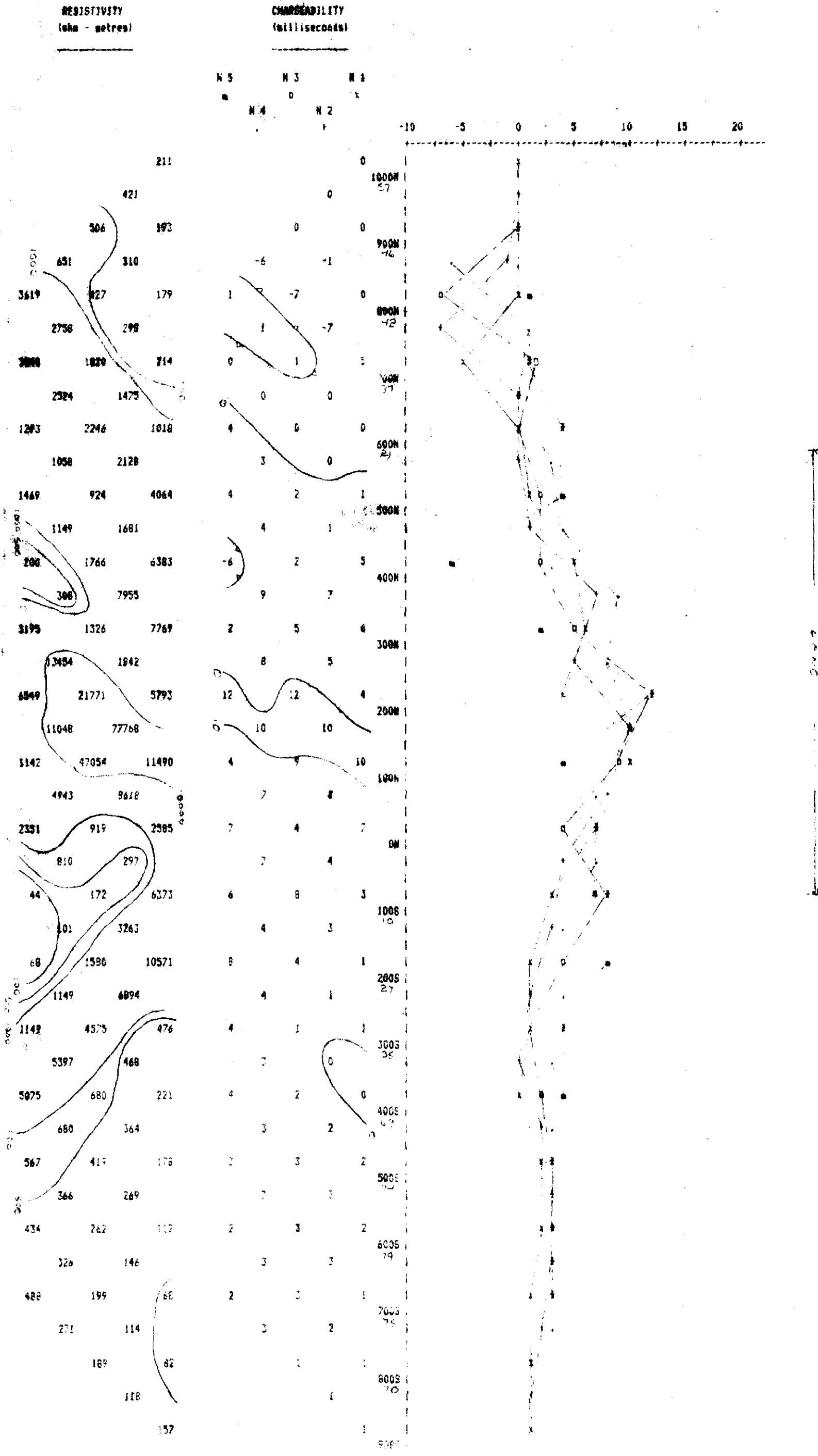
-10 -5 0 5 10 15 20



 ADYAN EXPLORATION

LINE 045

Property : MONTE-CRISTO
 Client : NIUNCO
 Date of Survey : 3/1/84
 Operator : RAM
 A Spacing : 100 F
 N Spacings Read : 1 TO 5
 Electrode Array : Pole - Dipole
 Mode : Time Domain
 Pulse Time : 2 Sec on 2 Sec off
 Delay Time : 900 ms
 Integration Time : 450 ms

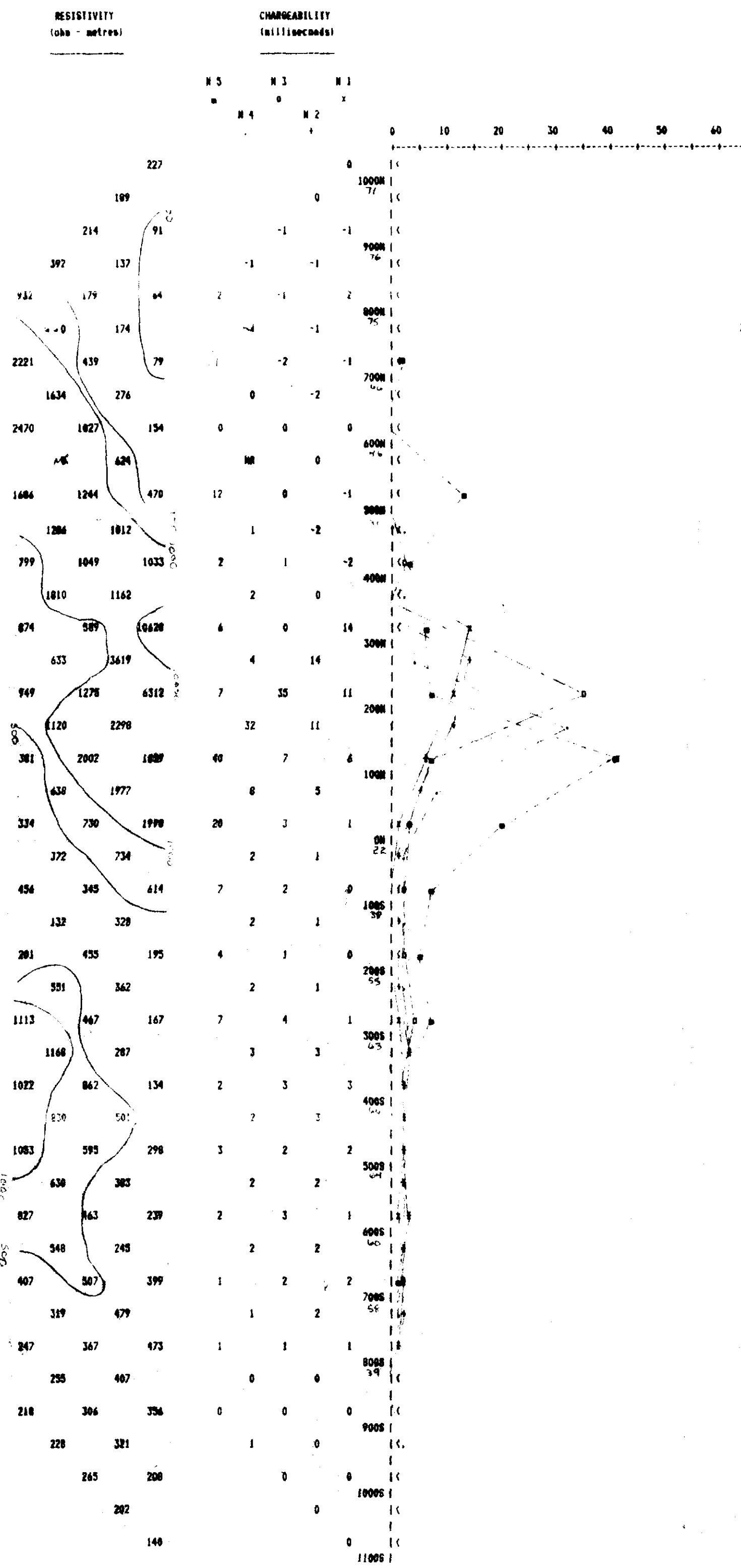


 RAYAN EXPLORATION

LINE 48 W

Property : MONTE-CRISTO
 Client : NUINSCO

Date of Survey : 3/1/84
 Operator : RAM
 A Spacing : 100 F
 N Spacings Read : 1 TO 5
 Electrode Array : Pole - Dipole
 Mode : Time Domain
 Pulse Time : 2 Sec on 2 Sec off
 Delay Time : 900 ms
 Integration Time : 450 ms

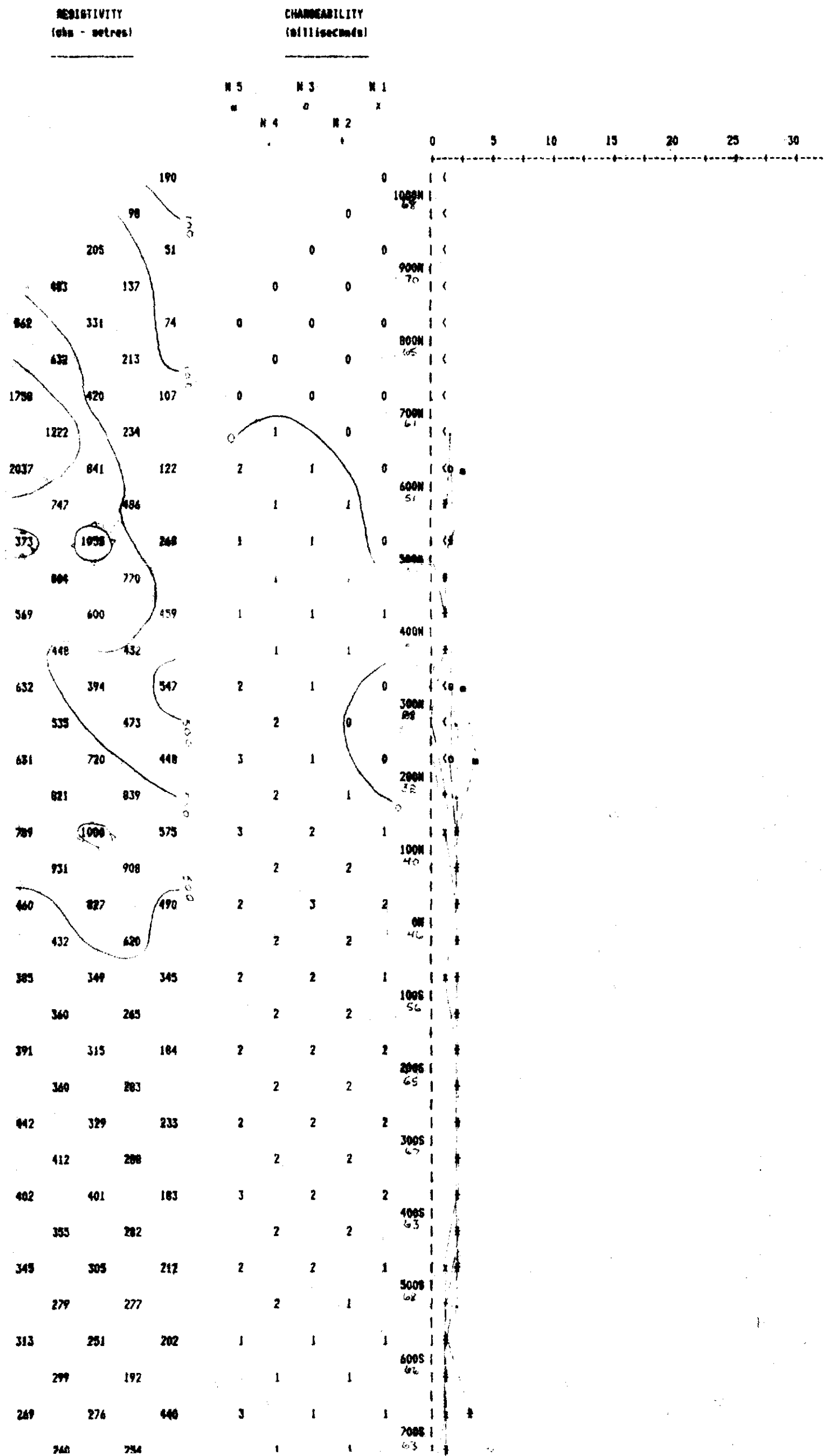


 RAYAN EXPLORATION

LINE 70 S

Property : MONTE-CRISTO
 Client : KUINSO

Date of Survey : 3/1/84
 Operator : RAM
 Spacing : 100 F
 Spacings Read : 1 TO 5
 Electrode Array : Pole - Dipole
 Mode : Time Domain
 Pulse Time : 2 Sec on 2 Sec off
 Delay Time : 900 ms
 Integration Time : 450 ms

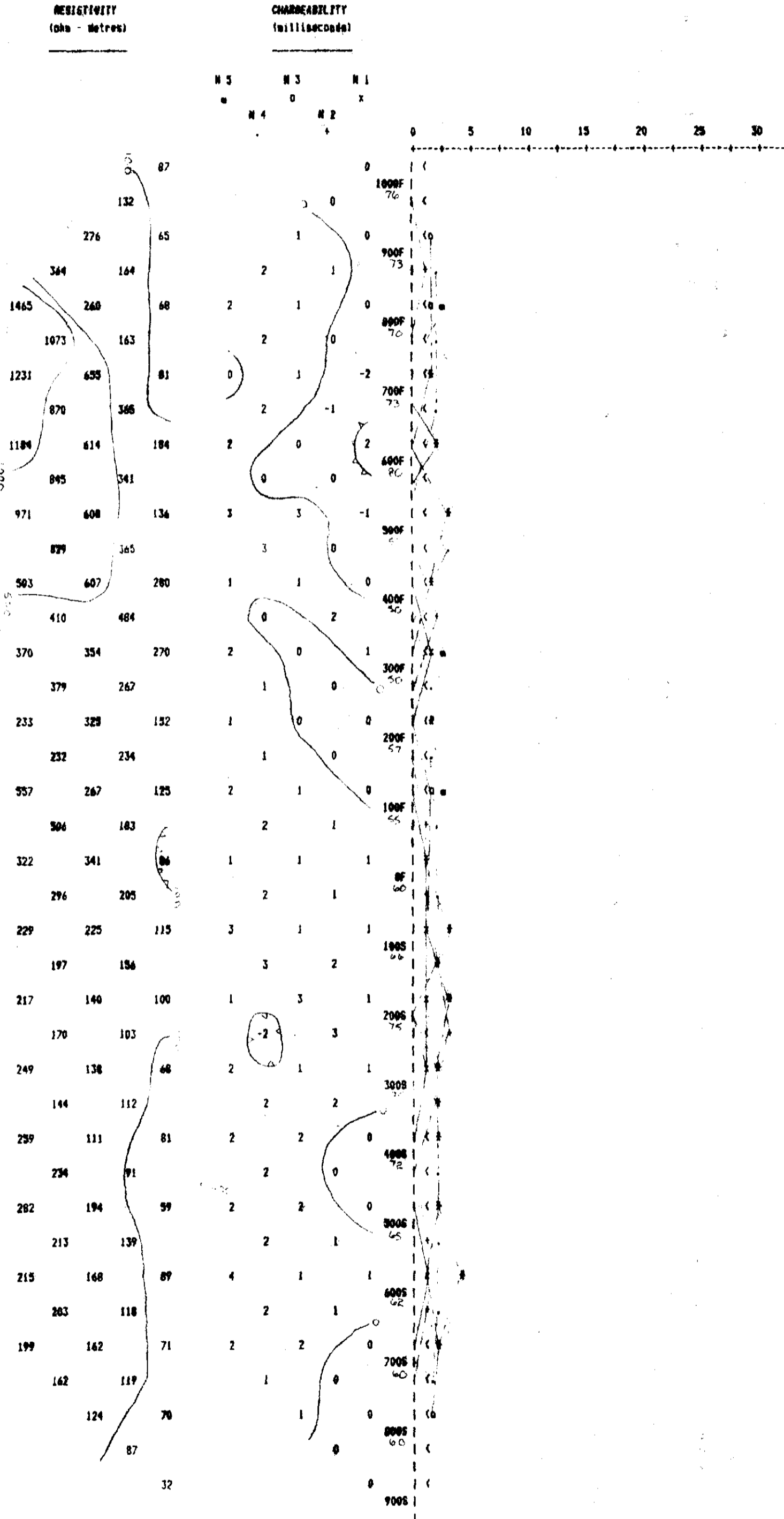


RAYAN EXPLORATION

LINE 72 W

Property : MONTE-CRISTO
 Client : NUINSCO

Date of Survey : 3/1/84
 Operator : RAM
 A Spacing : 100 F
 N Spacings Read : 1 TO 5
 Electrode Array : Pole - Dipole
 Mode : Time Domain
 Pulse Time : 2 Sec on 2 Sec off
 Delay Time : 900 ms
 Integration Time : 450 ms

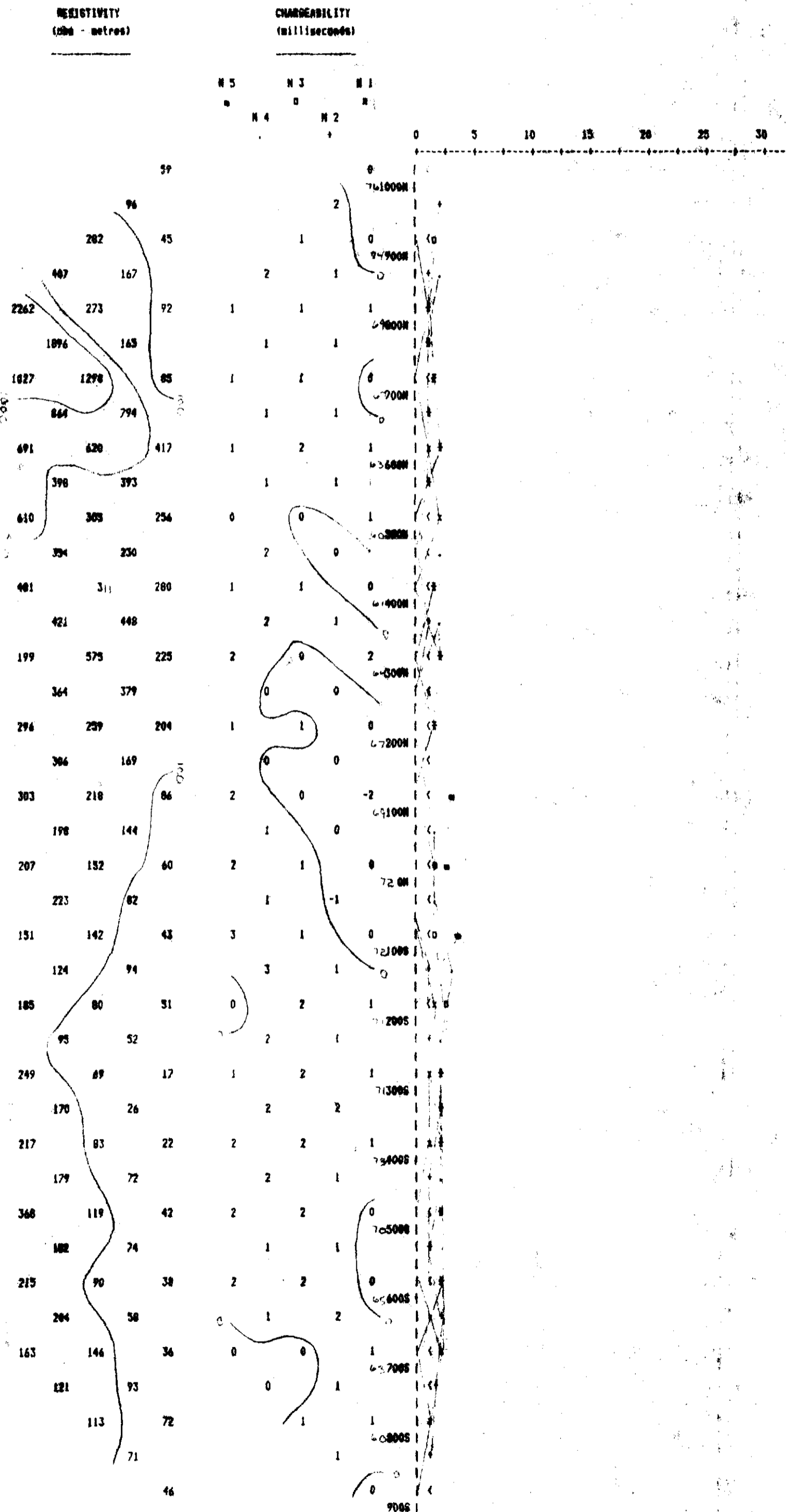


 RAYAN EXPLORATION

LINE 74 W

Property : MONTE-CRISTO
 Client : NUIINSCO

Date of Survey : 3/1/84
 Operator : RAM
 A Spacing : 100 F
 N Spacing Read : 1 TO 5
 Electrode Array : Pole - Dipole
 Mode : Time Domain
 Pulse Time : 2 Sec on 2 Sec off
 Delay Time : 900 ms
 Integration Time : 450 ms



 RAYAN EXPLORATION

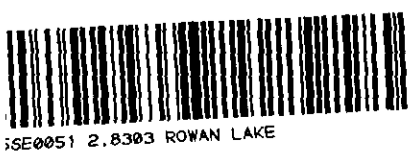
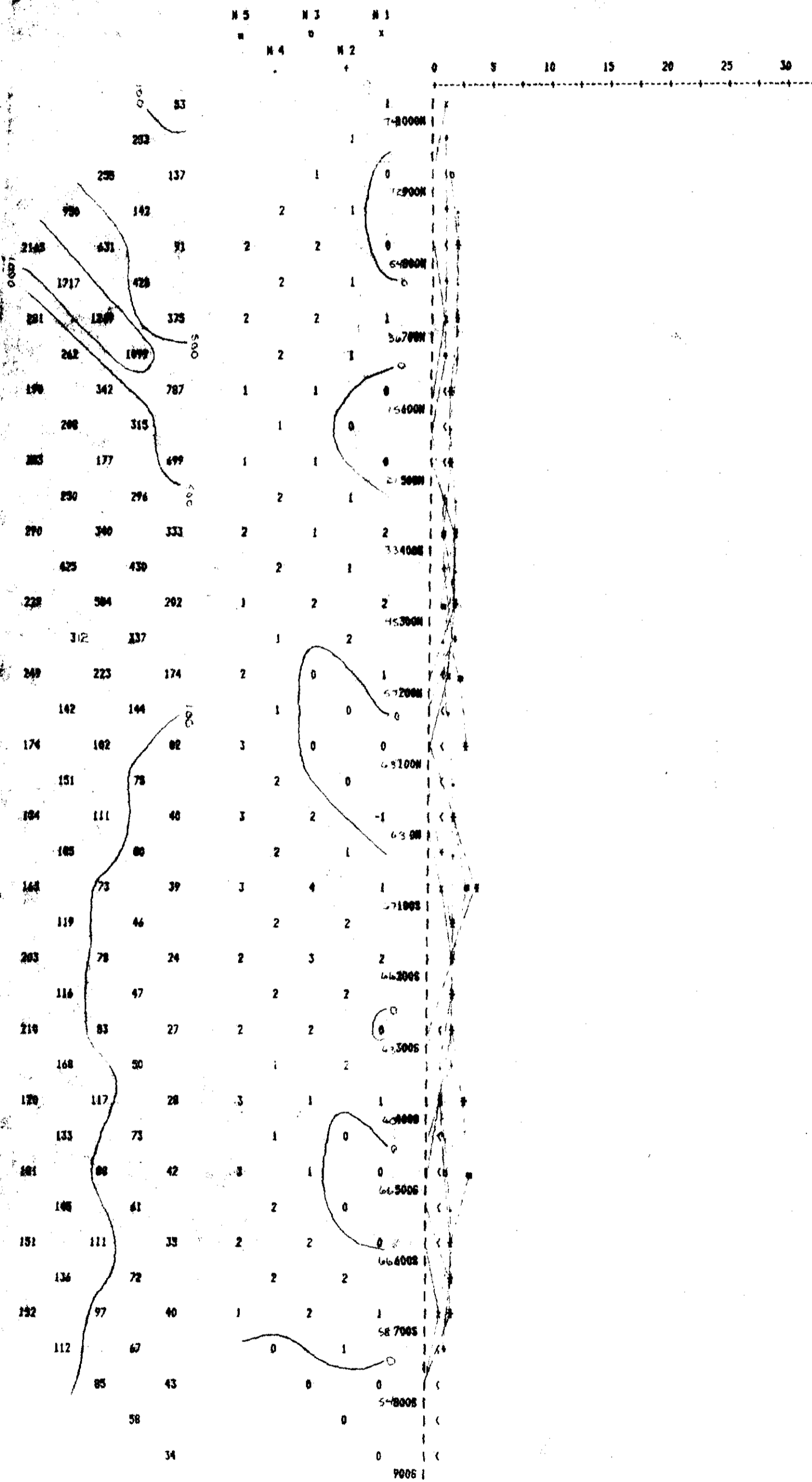
LINE 74 W

Property : MONTE-CRISTO
 Client : NUINSCO

Date of Survey : 3/1/84
 Operator : RAM
 A Spacing : 100 F
 M Spacing Read : 1 TO 5
 Electrode Array : Pole - Dipole
 Mode : Time Domain
 Pulse Time : 2 Sec on 2 Sec off
 Delay Time : 900 ms
 Integration Time : 450 ms

RESISTIVITY
 (ohm - meter)

CONDUCTIVITY
 (millimhos)

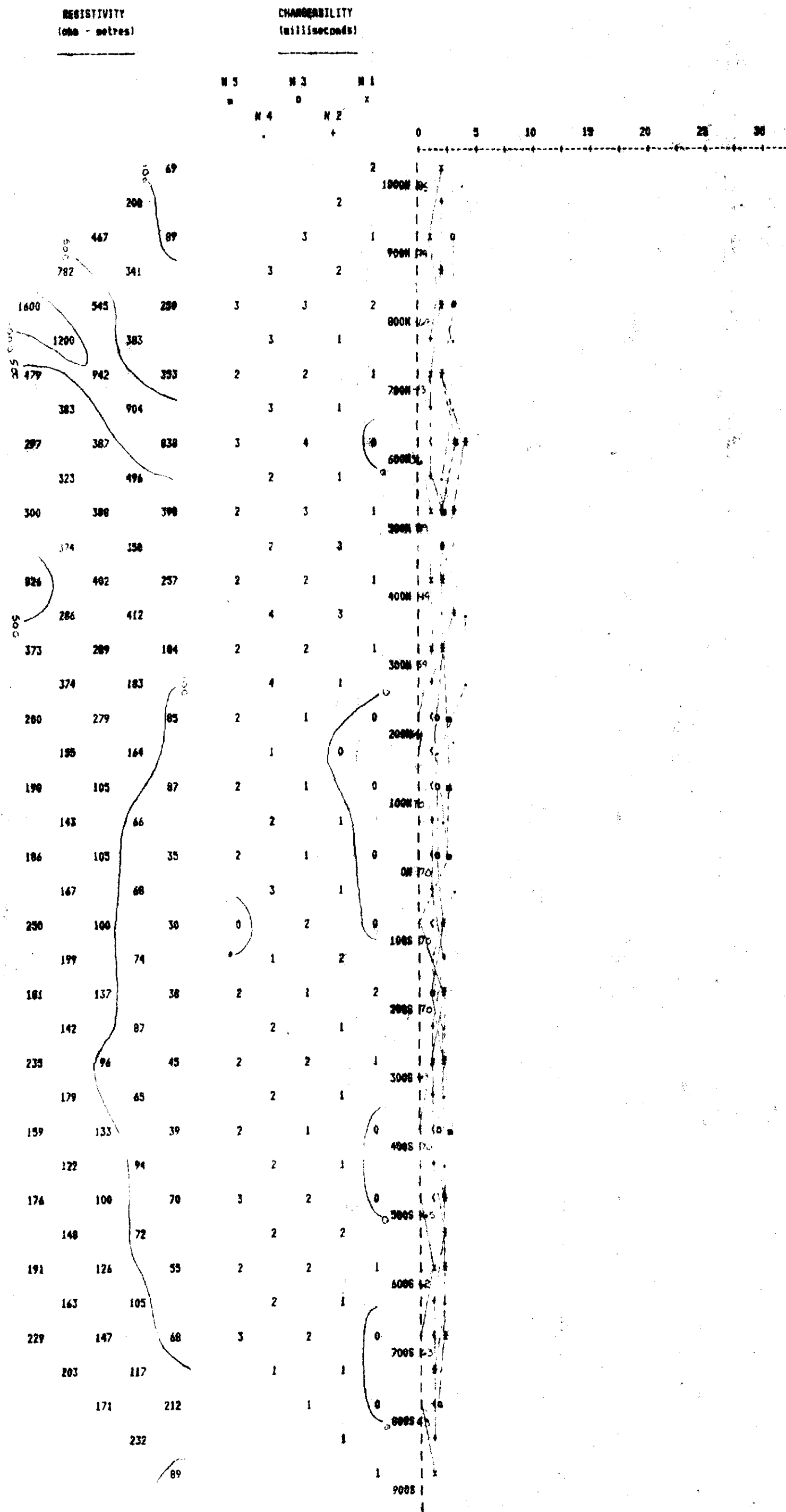


 RAYAN EXPLORATION

LINE 70 W

Property : MONTE-CRISTO
 Client : NUINSCO

Date of Survey : 3/1/84
 Operator : RAM
 A Spacing : 100 F
 N Spacings Read : 1 TO 5
 Electrode Array : Pole - Dipole
 Mode : Time Domain
 Pulse Time : 2 Sec on 2 Sec off
 Delay Time : 900 ms
 Integration Time : 450 ms

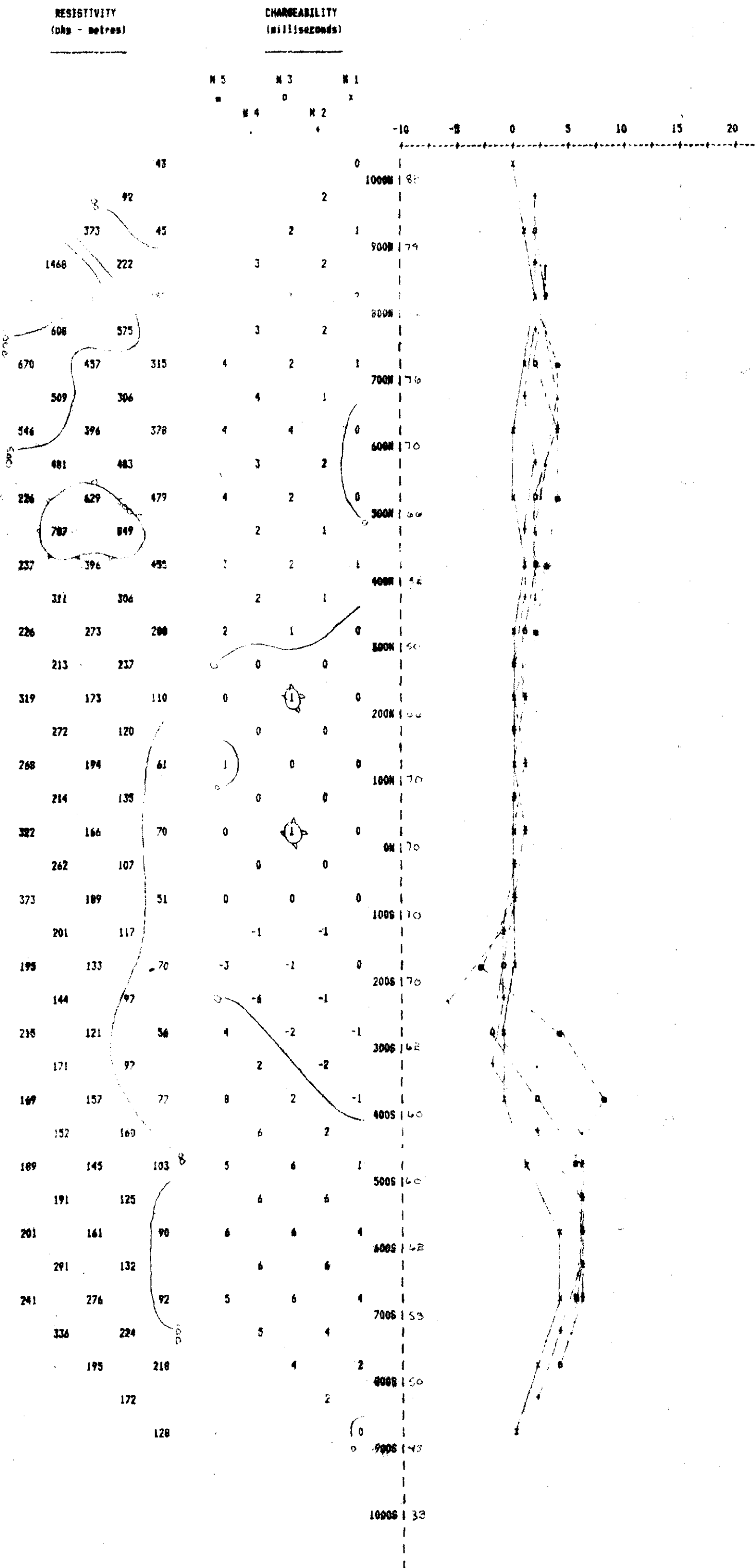


 RAYAN EXPLORATION

LINE 80 W

Property : MONTE-CRISTO
 Client : NUINSCO

Date of Survey : 3/27/84
 Operator : RAM
 A Spacing : 100 F
 N Spacings Read : 1 TO 5
 Electrode Array : Pole - Dipole
 Mode : Time Domain
 Pulse Time : 2 Sec on 2 Sec off
 Delay Time : 900 ms
 Integration Time : 450 ms

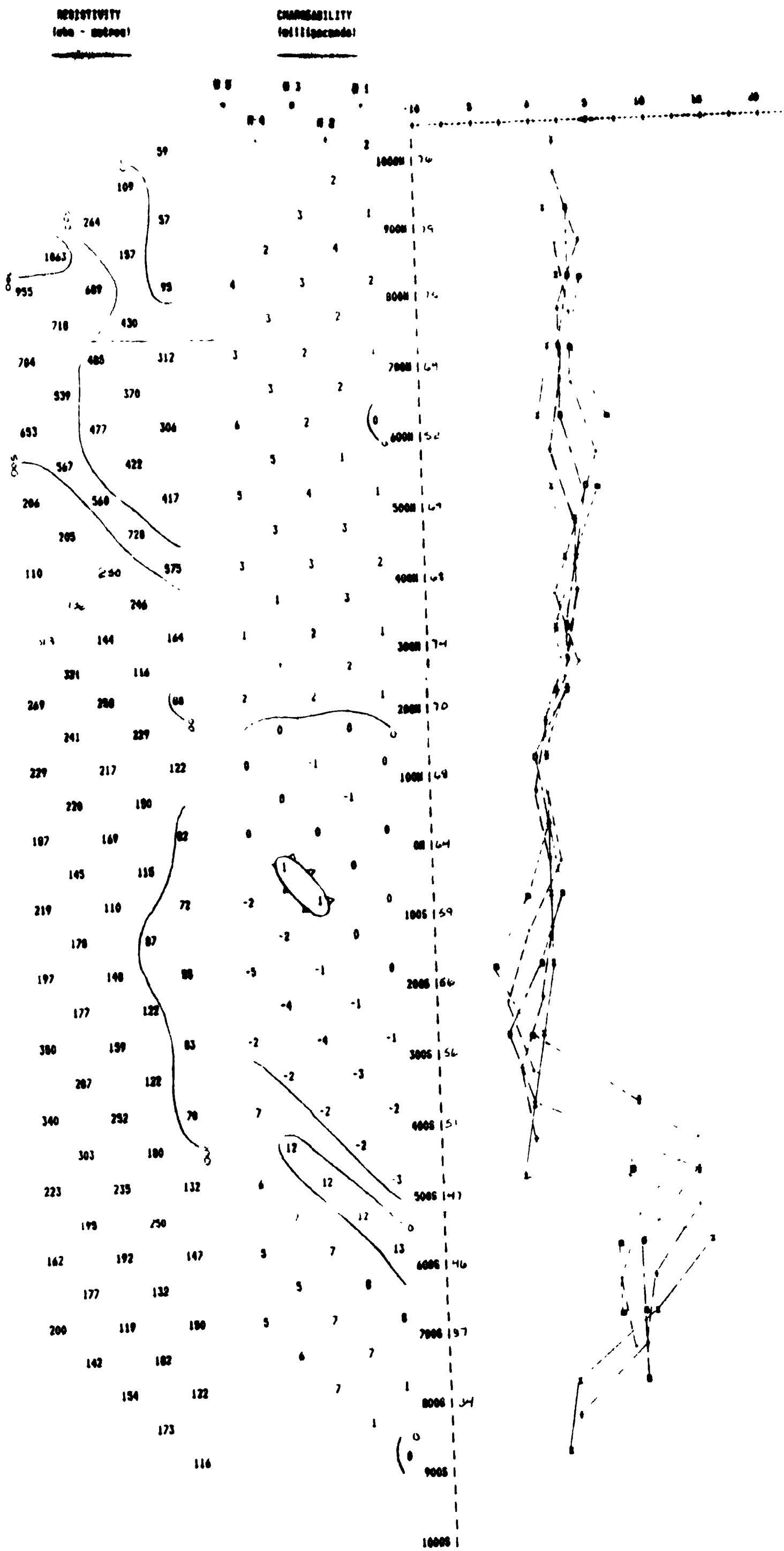


S2F85SE0051 2.8303 ROWAN LAKE

 RAYAN EXPLORATION

Property : MONTE-CRISTO
 Client : NUINSCO

Date of Survey : 3/28/84
 Operator : RAM
 A Spacing : 100 F
 N Spacings Read : 1 TO 5
 Electrode Array : Pole - Dipole
 Mode : Time Domain
 Pulse Time : 2 Sec on 2 Sec off
 Delay Time : 900 ms
 Integration Time : 480 ms



DAYAN EXPLORATION

LINE 04 W

Property : MONTE-SANTO
 Client : NUINCO

Date of Survey : 3/28/00
 Operator : RAM
 A Spacing : 100 F
 N Spacing : 1 YB S
 Electrode Array : Pole - Dipole
 Mode : Time Domain
 Pulse Time : 2 Sec on 2 Sec off
 Delay Time : 900 us
 Integration Time : 450 ms

RESISTIVITY
 (ohm-metres)

CHARGEABILITY
 (milliseconds)

