

6363

1977 GEOPHYSICAL REPORT ON
COTE OPTION
MINERAL CLAIMS GA,GB,GC,GD,GE,GF,GG; RED 1,2

BY: GARRY M. DEPAOLI
GEOPHYSICIST, B.Sc.

DATE: MAY, 1977.

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. _____

1977 GEOPHYSICAL REPORT ON
COTE OPTION
MINERAL CLAIMS GA, GB, GC, GE, GD, GF, GG; RED 1,2

located in

NORTHERN BRITISH COLUMBIA

in the

OMENICA MINING DIVISION

approximately

12 MILES EAST OF SMITHERS
AT COORDINATES $54^{\circ}47'$ N.LAT.; $126^{\circ}55'$ W.LONG.

work for

CANADIAN SUPERIOR EXPLORATION LIMITED

work by

MORRISON I.P. SURVEYS

work period

FEBRUARY 17 to MARCH 26, 1977
MAY 10 to MAY 19, 1977

TABLE OF CONTENTS

	PAGE
INTRODUCTION	1
LOCATION AND ACCESS	1
GRID CONTROL	1
GENERAL GEOLOGY	2
INDUCED POLARIZATION SURVEY	2
INTRODUCTION AND THEORY	2
INSTRUMENT AND PROCEDURE	3
PRESENTATION OF DATA	4
RESULTS AND INTERPRETATION	5
CONCLUSIONS AND RECOMMENDATIONS	7
CERTIFICATION	9
GARRY M. DEPAOLI	9
DENNIS F. MORRISON	10
ASSESSMENT DETAILS	11
WORK SUMMARY	11
PERSONNEL	11
COST STATEMENT	11
LIST OF CLAIMS	

ILLUSTRATIONS

LOCATION MAP	FIGURE 1	AFTER PAGE 1	
CLAIM MAP	FIGURE 2	IN POCKET	
IP PSEUDOSECTION PROFILES	FIGURES 3a'-z'	AFTER PAGE 11	
LINE	FIGURE	LINE	FIGURE
2200 S	3a'	11000 N	3o,p
1000 S	3b'	12200 N	3q,r
200 N	3a	13400 N	3s,t
1400 N	3b,c	14600 N	3i
2600 N	3d	15800 N	3v
3800 N	3e,f	17000 N	3w
5000 N	3g	18200 N	3x
6200 N	3h,i	19400 N	3y,y'
7400 N	3j,k,k'	20600 N	3z
8600 N	3l,m,m'	21800 N	3z'
9800 N	3n,n'		
PLAN RESISTIVITY N=1	FIGURE 4	IN POCKET	
PLAN PFE N=1	FIGURE 5	IN POCKET	
GEOPHYSICAL INTERPRETATION	FIGURE 6	IN POCKET	

INTRODUCTION

The Cote Option Copper Prospect is located in north central British Columbia. The property consists of the "G" Group Mineral Claims, GA,GB,GC,GD,GE,GF,GG owned by Canadian Superior Exploration Limited and Mineral Claims Red 1,2 owned by Mr. Cote of Smithers B.C. The prospect partially surrounds the Big Onion Mineral Prospect and is currently being investigated for the possible occurrence of additional copper, molybdenum mineralization similar to that known on the Big Onion.

During the period February 17 to March 26 and May 10 to May 19, 1977 a total of 52 line miles of induced polarization/resistivity surveying were completed over the property. The work was carried out by Morrison I.P. Surveys upon the request of Canadian Superior Exploration Limited and under the direct supervision of G. Stock. The following report describes the instrumentation, field procedure and the results obtained from the survey.

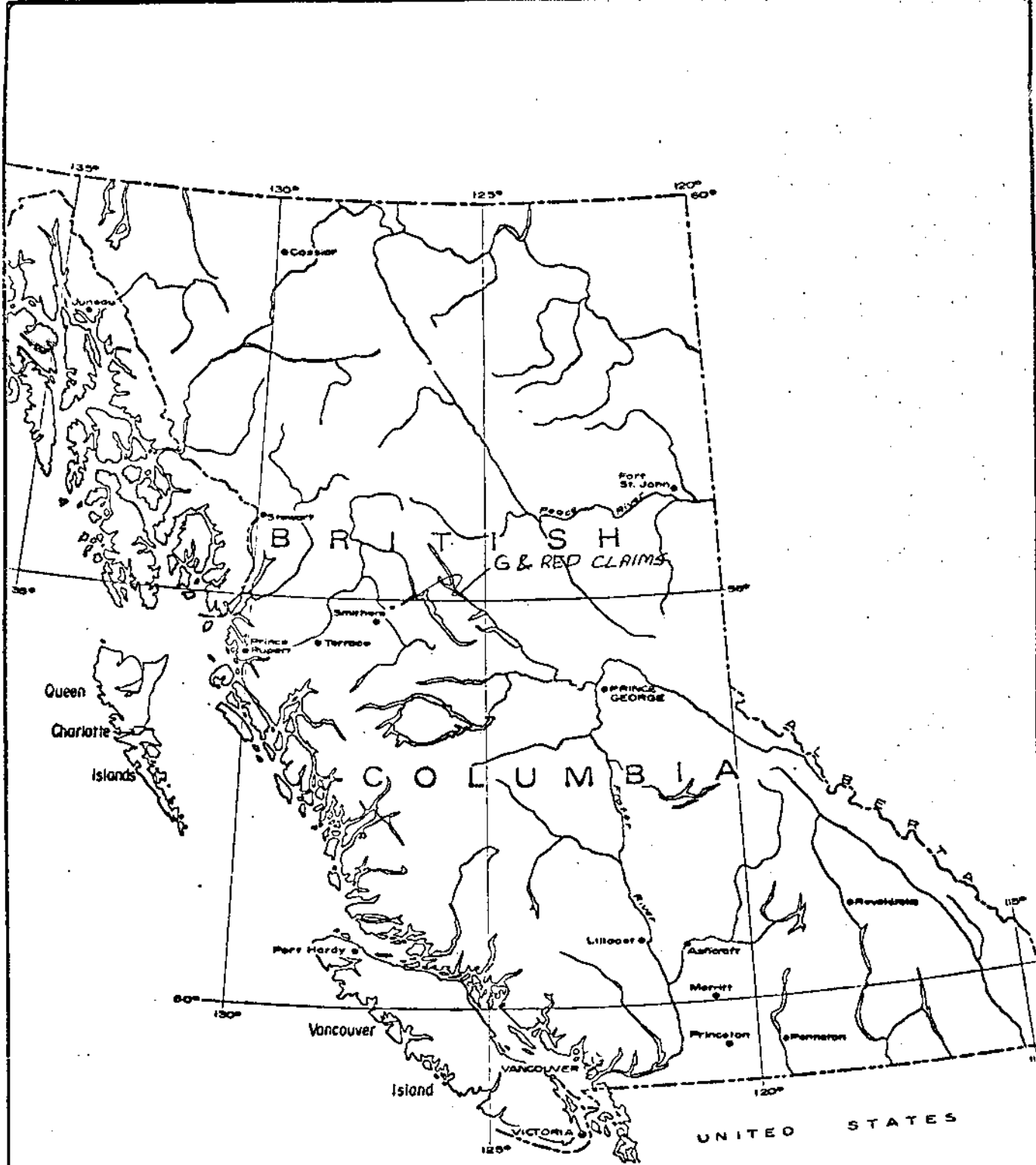
LOCATION AND ACCESS

The Cote Option Prospect is located in north central British Columbia approximately 12 miles east of Smithers. It is immediately adjacent to the Big Onion Prospect on Astlais Mountain. It lies within the Omenica Mining Division at $54^{\circ}47'$ North Latitude and $126^{\circ}55'$ West Longitude within NTS Block 93 L 15.

Good secondary road access exists to the prospect via the Burnt Cabin Road which departs east from Highway 16 approximately 3 miles south of Smithers.

GRID CONTROL

The control grid consists of 68 line miles of cut, chained



MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
 NO. **6363**

CANADIAN SUPERIOR EXPLORATION LIMITED
 SMITHERS REGIONAL OFFICE

FIGURE 1
 LOCATION MAP

DRAUGHTSMAN: G.S. SCALE: DATE: APRIL/77

and flagged lines. The baseline strikes at azimuth 050° and extends for over six miles. It is labelled as 19000 E. Seventeen perpendicular crosslines spaced 1200 feet apart were surveyed. Emplacement of the grid was done by line of sight picketing.

GENERAL GEOLOGY

On the Big Onion Prospect two highly altered dyke-like masses of quartz diorite porphyry are enveloped by quartz feldspar porphyry and intrude Jurassic volcanic and sedimentary rocks of the Hazelton Group. Chalcopyrite, bornite, chalcocite and molybdenite are associated with pyrite.

The Cote Option ground partially surrounds the Big Onion Prospect, largely at a lower elevation. The Claims are mostly covered by overburden and exploration is focused on the possible discovery of fault bounded segments of mineralization related to that known on the Big Onion.

INDUCED POLARIZATION SURVEY

INTRODUCTION AND THEORY

Geologic mapping over most of the area of interest is hindered by extensive overburden and swampy ground. As a result induced polarization measurements were undertaken to search for possible sulphide concentrations within the grid area. Apparent resistivity data taken concurrently is useful in inferring overburden depths, defining abrupt lithological changes and assessing the importance of any I.P. effects obtained.

The term induced polarization means the electrical separation (ie. separation of charges) induced by an applied electric field. The cause of this polarization is changes in the mobilities of ions within a rock. At the interfaces between zones of different mobilities, excesses or deficiencies of ions occur; the concentration gradients developed oppose the current flow and cause a polarizing effect. When mineral grains block the pore passages of rocks and a current is applied, a concentration of ions builds up at the electrolyte (water) - metal interface while awaiting an electrochemical reaction which must occur before the electric charge can be transferred from an ion in the electrolyte to a free electron in the metal. The forces which oppose the current flow are said to polarize the interface and the added voltage necessary to drive the current across the barrier is known as overvoltage.

It takes a finite time to build up overvoltage and one finds that the impedances of the zones (Warburg Impedance) decreases with increasing frequency. In the frequency domain system that was employed the decrease in the Warburg Impedance was measured between current applied at 0.3 and 5.0 hertz.

INSTRUMENT AND PROCEDURE

A multiple frequency McPhar induced polarization system, Model P660, was employed in measuring the polarization and resistivity parameters. The transmitter is a manually variable voltage source. The output current can be selected from both polarities and varies from direct current to automatically alternating output frequencies of 0.05, 0.1, 0.3, 1.25 and 5.0 hertz. Power was obtained from a 2½ KW - 400 hertz motor generator. The maximum output current for the transmitter is 5.0 amp., while the maximum output voltage is 690 volts.

The receiver employed was the A.C. P660 Model. This is a potentiometer type where the amplified and filtered signal is compared with a reference voltage. It is powered by six 9 volt alkaline transistor batteries and draws 7.5 ma. Total weight including carrying case and batteries is 2.2 kilograms.

A symmetrical in line dipole-dipole array was employed in the survey. The dipole length was 400 feet and measurements were taken to 4 separations (N=1,2,3,4). Survey procedure required the preparation of a "set-up" station near the center of each line. The transmitter and its motor generator power supply remained stationary at the set-up position and wires in increasing 400 foot intervals were strung out in both directions. Care was taken to ensure that the wires were well separated to prevent inductive coupling effects. The ends of the wires were connected to 4 foot stainless steel rods which had been hammered into the ground, which was first cleared of snow. Where possible the receiving dipole also utilized the stainless steel rods for electrode connections. Once the receiver dipole moved past the last steel rod ground connections were made via porous pots. Radio contact between the receiver and transmitter operators coordinated power on and off periods.

PRESENTATION OF DATA

The data is plotted in 33 pseudosections, Figures 3d-z' after Page 11. The pseudosections are vertical profile plots displaying apparent resistivities in $\rho_a/2\pi$ ohm feet and percent frequency effect values. All of the pseudosections are plotted on a scale of 1" = 400 feet except for Figure 3k. Here a segment of Line 7400 N was resurveyed employing a 800 foot dipole length and this data is plotted on a scale of 1" = 800 feet. Contoured plan maps of the first separation (N=1) apparent resistivity and percent frequency effect data have also been prepared in Figures 4 and 5 respectively. An interpretation of the data is presented in Figure 6.

RESULTS AND INTERPRETATION

Five induced polarization anomalies have been interpreted from the data and they are displayed in Figure 6. Aside from anomalies 1a and 1b the magnitude of the PFE values obtained indicate weakly polarizable sources of the order of 2 to 3% total sulphides by volume. However, because of the large dipole length employed (400 feet) and the volumetric averaging inherent in the I.P. technique it is possible that narrower widths of higher sulphide concentrations are also present.

Anomaly 1 occurring on the northern end of the grid contains the highest percent frequency effect values obtained in the survey. The anomaly has been divided into two parts 1a and 1b which are interpreted to arise from different geological sources.

Anomaly 1a trends northeast and is characterized by percent frequency effect values of 7.5 to 15% with a maximum of 17.5%. PFE values of this magnitude are interpreted to reflect 2 to 5% total sulphides by volume. Associated apparent resistivities range from 150 to 400 $\rho_a/2\pi$ ohm feet. The anomaly is significantly located immediately east and trends into the Big Onion intrusive complex. The source of the anomaly is interpreted to be related to this intrusive activity and probably reflects increased sulphide mineralization along or near the intrusive-volcanic contact. The southeast end of the anomaly appears to be truncated by a near north south fault, which may also be related to cross-cutting faults mapped on the Big Onion Property.

Anomaly 1b is reflected by somewhat lower percent frequency effects ranging from 7.5 to 10% and a variable apparent resistivity response. Low, relatively uniform resistivities between 30 to 75 $\rho_a/2\pi$ ohm feet were obtained on Line 18200 N. These resistivity values are often indicative of sedimentary rocks and graphitic sediments were encountered in two diamond drill

holes 600 to 800 feet west of the anomaly. However on Lines 19400 N, 20600 N and 21800 N a much more complex resistivity pattern is observed. A resistivity low along the west edge of the anomaly is interpreted as a lithological fault contact. (See Figure 6) Topographically, faulting in this area is supported by a sub-parallel creek. Eastward from this low apparent resistivities increase to greater than $1000 \rho_a/2\pi$ ohm feet, then decrease abruptly on the eastern ends of the lines. Values on the eastern end of Lines 20600 N and 21800 N of less than $10 \rho_a/2\pi$ ohm feet with associated PFE values of 10 to 12% are most often indicative of fine grained pyritized dark argillite units in the Babine Area.

Anomaly 2 is centered about station 15400 E on Line 13400 N. Percent frequency effect values range from 5 to 7.5% and are associated with apparent resistivities of 70 to $117 \rho_a/2\pi$ ohm feet. The anomaly has a width of 500 feet, but does not extend at depth. It is situated on an inferred contact between rhyolite tuffs and quartz monzonite.

Anomaly 3 on the western end of Line 12200 N at 10200 E is a weak induced polarization response. PFE values of 4 and 5% correlate with a well defined resistivity low. This resistivity feature is situated in a background of higher resistivities indicative of bedrock.

Anomaly 4 is centered about coordinates 11000E; 8600 N and northwesterly and southeasterly to adjacent lines. It is characterized by PFE values of 6 to 8% and low to intermediate apparent resistivities of 50 to $200 \rho_a/2\pi$ ohm feet. This anomaly broadens at depth.

Anomaly 5 remains open to the southwest on Line 2200 S. PFE values of 5 to 7% were obtained in conjunction with intermediate

resistivities ranging from 150 to 400 $\rho_a/2\pi$ ohm feet. This anomaly correlates with a relatively large mass of quartz monzonite in which pyrite and magnetite mineralization have been observed.

In addition to the above 5 anomalies, 4 areas of weakly anomalous PFE response at depth are marked in Figure 6. The PFE increases in 3rd and 4th separation data in all of these areas are associated with low and relatively uniform apparent resistivities. Since this resistivity signature is most commonly a reflection of sediments or overburden these targets have low priority.

A large resistivity low dominates the south central portion of the contoured plan apparent resistivity map in Figure 4. In this region very uniform and low resistivities of less than 20 $\rho_a/2\pi$ ohm feet were obtained on all dipole separations. As shown in Figure 6 this low is interpreted to reflect extensive conductive overburden of the order of 300 feet deep. In support of this interpretation one notes that much of the ground is swamp covered and three percussion drill holes located on the margin of the low failed to encounter bedrock at depths of 260, 273 and 350 feet. The linearity of the northern limit of this resistivity low suggests a possible fault with downward displacement on its south side. Similar regions of apparent resistivity values on the western edge of Lines 1000 S, 9800 N and 14600 N are also attributed to deep conductive overburden.

CONCLUSIONS AND RECOMMENDATIONS

Anomaly 1a is considered an excellent exploration target. Similar structural preparation and its proximity to known economic mineralization on the Big Onion Property enhance its potential. The anomaly is interpreted to reflect sulphide concentrations related to the intrusive activity on the Big Onion Property. To

test whether these sulphides are economic a diamond drill hole at coordinates 11400 E; 20600 N drilled eastward at -60° to a depth of 800 feet is recommended. In addition detailed prospecting and further induced polarization surveying should be carried out to completely define the anomaly.

Resistivity patterns obtained in Anomaly 1b suggest the presence of several rock types. Low resistivities along Line 18200 N and extremely low resistivities along the eastern margin of the anomaly have been interpreted as graphitic sediments and fine grained pyritized argillite units respectively. In the central and western portions of the anomaly, where resistivity increases are noted, the possibility exists for mineralized intrusive or volcanic rock types. This possibility should be explored with detailed prospecting and ground magnetometer traverses. If further encouragement is obtained, drill testing of the higher resistivity portions of this anomaly should be considered.

The remaining anomalies should be thoroughly prospected and tested with localized geochemical soil sampling traverses. Those having geological or geochemical support can be resurveyed employing a 200 foot dipole length to test for zones of higher sulphide concentrations. Particular attention should be given to the detail results over Anomalies 3 and 4 since they lie along strike of the intrusive complex on the Big Onion.

RESPECTFULLY SUBMITTED

Garry DePaoli

GARRY M. DEPAOLI
GEOPHYSICIST, B.Sc.

MAY 31, 1977
108 MILE RANCH, B.C.

CERTIFICATION

I Garry M. DePaoli of the Village of 100 Mile House, in the Province of British Columbia, HEREBY CERTIFY AS FOLLOWS:

1. That I am a graduate of the University of British Columbia, Vancouver, B.C. with a Bachelor of Science Degree in Combined Honours Geophysics and Geology. (1969)
2. That I have practiced my profession as a Geophysicist continuously for the past 8 years in Northern Ontario, Quebec, New Brunswick, Manitoba, Western USA, Alaska, Yukon Territories and British Columbia.
3. That I am a member in good standing of the Society of Exploration Geophysicists, The Geological Association of Canada, The Canadian Institute of Mining and Metallurgy, and the B.C. Society of Exploration Geophysicists.
4. That I have no interest directly or indirectly in the Cote Option Prospect nor do I expect to receive any.

GARRY M. DEPAOLI
GEOPHYSICIST, B.Sc.

April 19, 1977
100 Mile House, B.C.

CERTIFICATION

I Dennis F. Morrison, of the Village of Washago, in the Province of Ontario, HEREBY CERTIFY AS FOLLOWS:

1. That I have attended the University of Waterloo for 2 years enrolled in the Faculty of Science.
2. That I was employed with Bell Canada as an electronic technician during the period 1964 to 1967.
3. That I was employed with McPhar Geophysics as an Induced Polarization Operator from 1967 to 1970.
4. That I have operated as an independent Induced Polarization Contractor from 1970 to the present.
5. That I have induced polarization operating experience in Newfoundland, Nova Scotia, New Brunswick, Quebec, Ontario, Manitoba, British Columbia, Yukon and Northwest Territories, Alaska and the Republic of Panama.
6. That I have no interest directly or indirectly in the Cote Option Prospect nor do I expect to receive any.

DENNIS F. MORRISON

- April 19, 1977
Washago, Ontario.

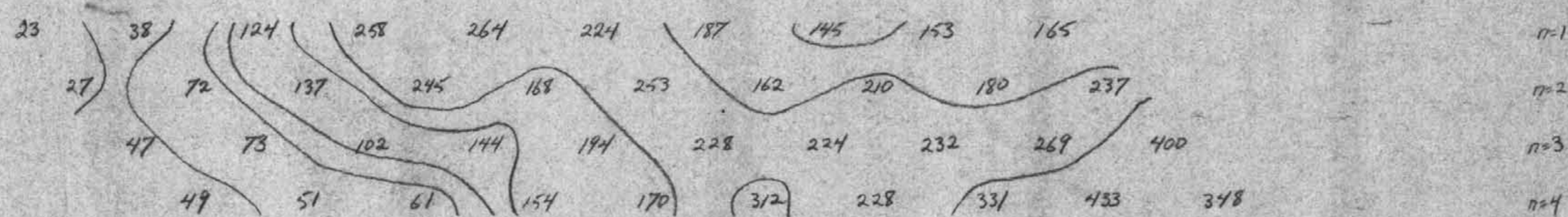
ASSESSMENT DETAILSWORK SUMMARY

52 line miles of induced polarization / resistivity surveying
February 17 to March 26, 1977.
May 10 to May 19, 1977.

PERSONNEL

Dennis F. Morrison	IP Contractor, Morrison IP Surveys P.O. Box 418, Gravenhurst, Ontario POC 1G0
Garry M. DePaoli	Consulting Geophysicist 108 Ranch, Comp. #162, RR #1, 100 Mile House, B.C. VOK 2E0
Blair Taylor	Geophysicist 122 West 45 Ave., Vancouver, B.C.
Atubbs Watson	Geophysical Assisstant Box 816, Smithers, B.C.
Keith Peters	Geophysical Assisstant Box 3341, Smithers, B.C.
Bruce Holden	Geophysical Assisstant Box 3084, Smithers, B.C.
James Wookey	Geophysical Assisstant Box 761, Smithers, B.C.

13.0E 13.4E 13.8E 14.2E 14.6E 15.0E 15.4E 15.8E 16.2E 16.6E 17.0E 17.4E 17.8E 18.2E 18.6E 19.0E



$\frac{\rho_{(z)}}{2\pi}$ (u.u.)

LINE 2N

SUNNOCABIN ROAD

CANADIAN SUPERIOR EXPLORATIONS
COTE OPTION
SMITHERS AREA, BC.

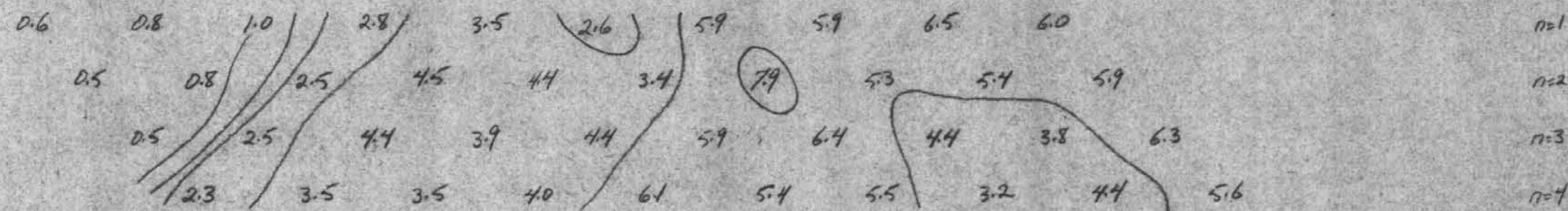
INDUCED POLARIZATION SURVEY
FREQUENCY DOMAIN @ 50 ± 0.3 Hz.
DIPOLE-DIPOLE ARRAY

OPERATORS: MORRISON & TAYLOR

SCALE: 1" = 400 FT.

DATE: MARCH 15, 1977

LINE 200N



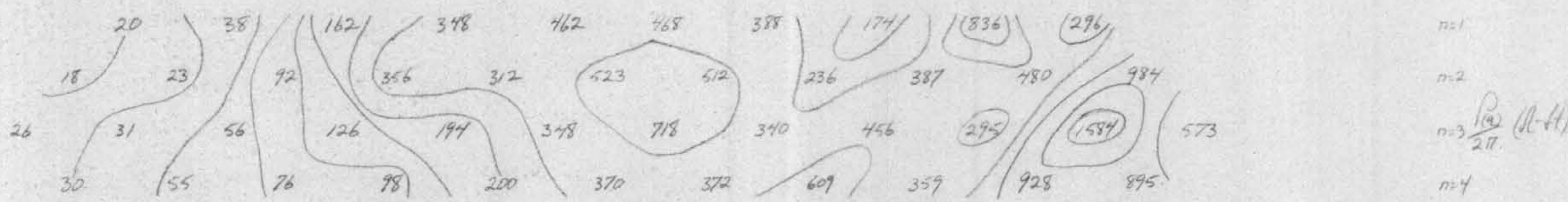
FE

6363

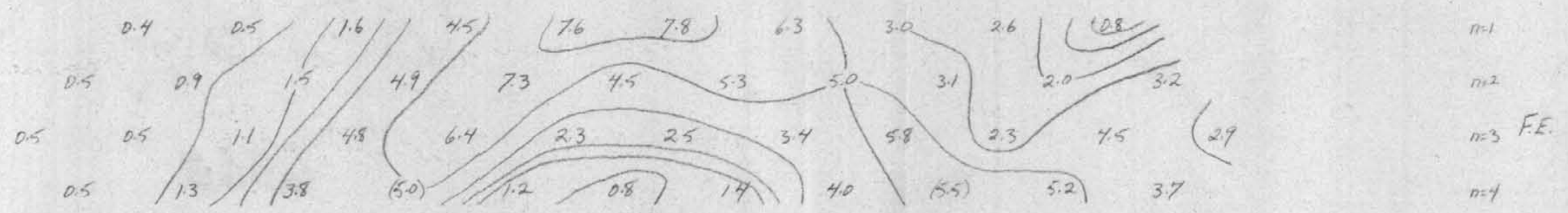
MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6363

FIGURE 3(a)

12.6E 13.0E 13.4E 13.8E 14.2E 14.6E 15.0E 15.4E 15.8E 16.2E 16.6E 17.0E 17.4E 17.8E 18.2E 18.6E 19.0E



SWAMPY ROAD



LINE 2200S

CANADIAN SUPERIOR EXPLORATIONS LTD.
 COTE OPTION
 SMITHERS AREA, BC.

INDUCED POLARIZATION SURVEY -
 FREQUENCY DOMAIN @ 5.0 ± 0.3 Hz -
 DIPOLE-DIPOLE ARRAY

OPERATORS: MORRISON & TAYLOR

SCALE: 1" = 400 FT.

6363

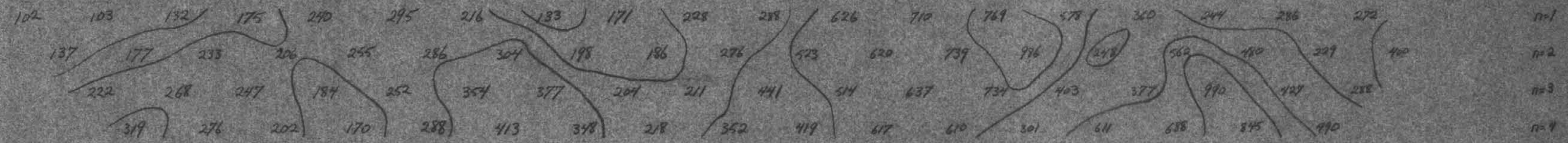
DATE: MAY 19, 1977

MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
 NO. 6363

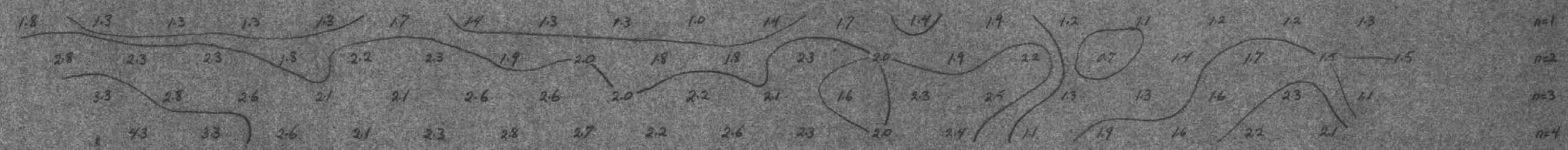
LINE 2200S

FIGURE 3(a')

14.6E 15.0E 15.4E 15.8E 16.2E 16.6E 17.0E 17.4E 17.8E 18.2E 18.6E 19.0E 19.4E 19.8E 20.2E 20.6E 21.0E 21.4E 21.8E 22.2E 22.6E 23.0E 23.4E



n=1
n=2
n=3 $\frac{\rho}{2\pi} (a-H)$
n=4



n=1
n=2
n=3
n=4

CANADIAN SUPERIOR EXPLORATIONS
COTE OPTION
SMITHERS AREA, B.C.

INDUCED POLARIZATION SURVEY
FREQUENCY DOMAIN: 0.3 - 5.0 Hz
DIPOLE-DIPOLE ARRAY
OPERATORS: MORRISON & TAYLOR

SCALE: 1" = 400 FT

LINE 1400 N

DATE: FEB. 17, 26, 1977

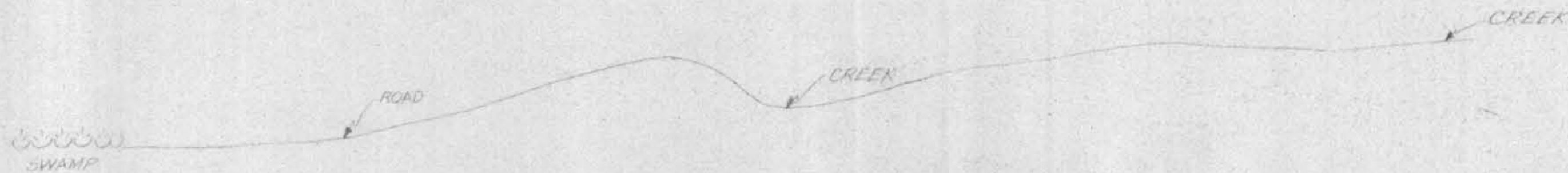
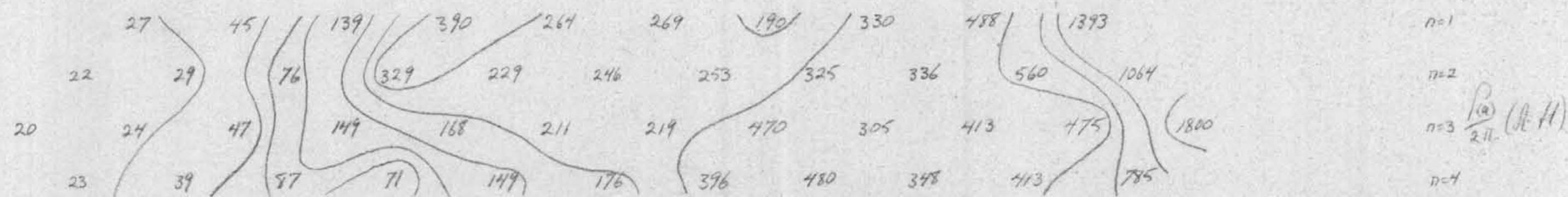
6363

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6363

FIGURE 3(b)

LINE 10005

12.6E 13.0E 13.4E 13.8E 14.2E 14.6E 15.0E 15.4E 15.8E 16.2E 16.6E 17.0E 17.4E 17.8E 18.2E 18.6E 19.0E



CANADIAN SUPERIOR EXPLORATIONS LTD.
COTE OPTION
SMITHERS AREA, BC

INDUCED POLARIZATION SURVEY
FREQUENCY DOMAIN @ 5.0 ± 0.3 Hz
DIPOLE-DIPOLE ARRAY

OPERATORS MORRISON & TAYLOR

SCALE 1" = 400 FT.

DATE: MAY 19, 1977

LINE 10005

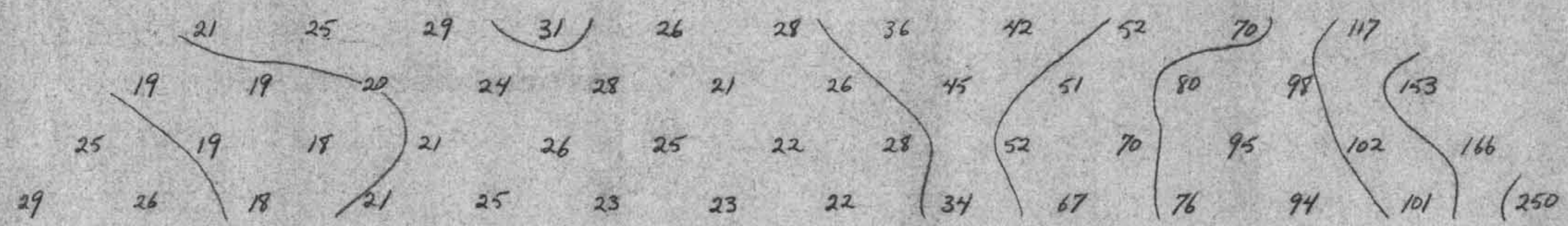
6363

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6363

FIGURE 3 (6')

LINE 1400N.

9.0E 9.4E 9.8E 10.2E 10.6E 11.0E 11.4E 11.8E 12.2E 12.6E 13.0E 13.4E 13.8E 14.2E 14.6E 15.0E 15.4E 15.8E 16.2E 16.6E



CANADIAN SUPERIOR EXPLORATIONS
COTE OPTION
SMITHERS AREA, B.C.

INDUCED POLARIZATION SURVEY
FREQUENCY DOMAIN 50±0.3 Hz
DIPOLE-DIPOLE ARRAY

OPERATORS: MORRISON & TAYLOR

SCALE: 1" = 400 FT

LINE 1400N

DATE: MARCH 19, 1977

6363

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6363

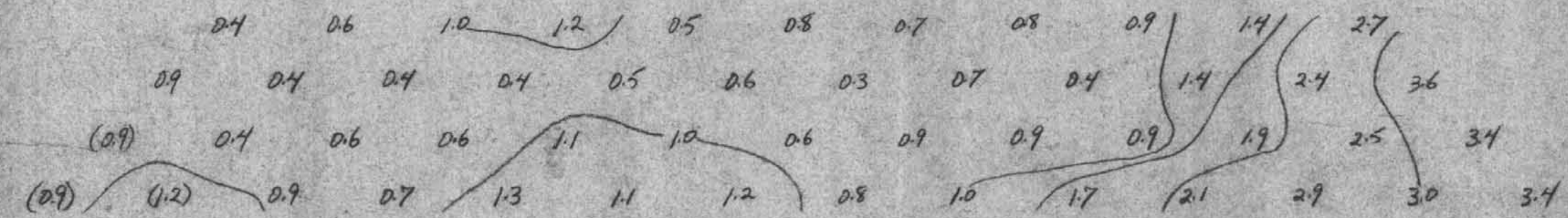
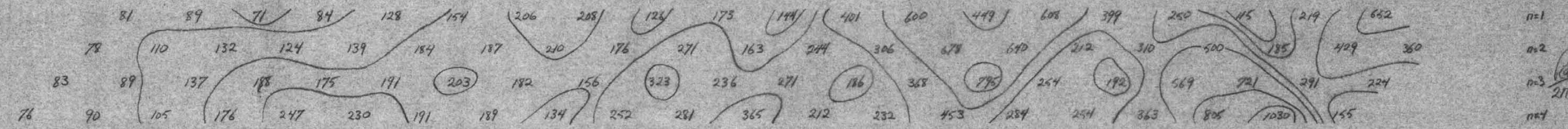


FIGURE 3(c)

13.0E 13.4E 13.8E 14.2E 14.6E 15.0E 15.4E 15.8E 16.2E 16.6E 17.0E 17.4E 17.8E 18.2E 18.6E 19.0E 19.4E 19.8E 20.2E 20.6E 21.0E 21.4E 21.8E 22.2E 22.6E 23.0E 23.4E



LINE 26N

CANADIAN SUPERIOR EXPLORATIONS
COTE OPTION
SMITHERS AREA, B.C.

INDUCED POLARIZATION SURVEY
FREQUENCY DOMAIN: 0.3-50 Hz
DIPOLE-DIPOLE ARRAY
OPERATORS: MORRISON / TAYLOR

SCALE: 1" = 400 FT

6363

LINE: 2600 N

DATE: FEB. 18, 25, 1977

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6363

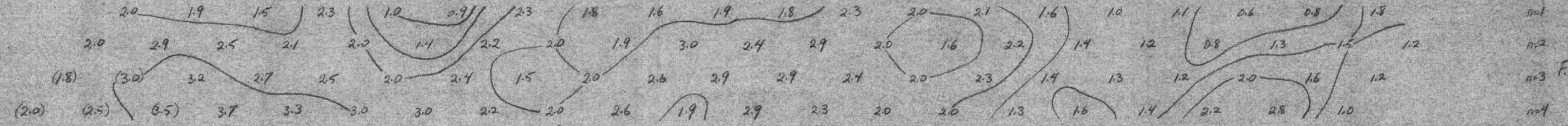
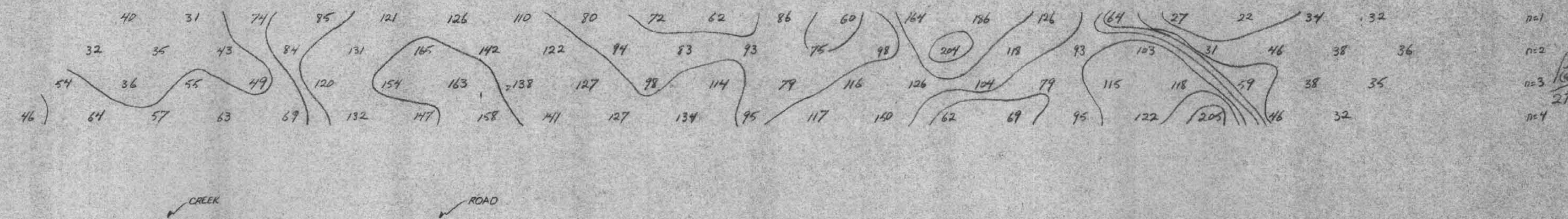


FIGURE 36d

13.0 13.4 13.8 14.2 14.6 15.0 15.4 15.8 16.2 16.6 17.0 17.4 17.8 18.2 18.6 19.0 19.4 19.8 20.2 20.6 21.0 21.4 21.8 22.2 22.6 23.0 23.4



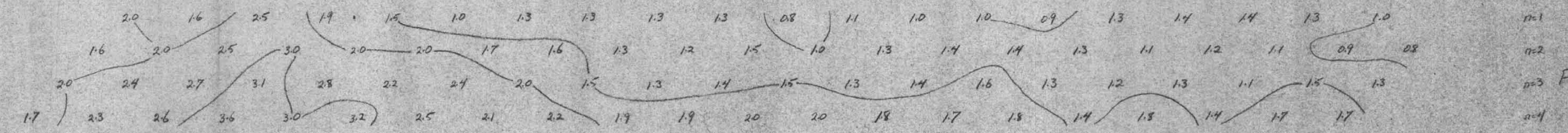
LINE 38N

CANADIAN SUPERIOR EXPLORATION LTD
COTE OPTION
SMITHERS AREA, B.C.

INDUCED POLARIZATION SURVEY
DIPOLE-DIPOLE ARRAY
FREQUENCY DOMAIN: 0.3 & 5.0 Hz
OPERATORS: MORRISON & TAYLOR

SCALE: 1" = 400 FT

6363



LINE 38N

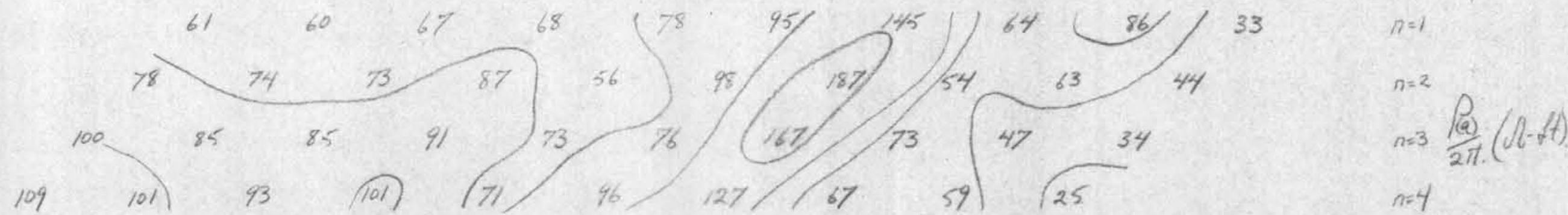
DATE: FEB. 19, 25, 1977

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6363

FIGURE 3(e)

LINE 3800 N

9.0E 9.4E 9.8E 10.2E 10.6E 11.0E 11.4E 11.8E 12.2E 12.6E 13.0E 13.4E 13.8 14.2E 14.6E 15.0E



CANADIAN SUPERIOR EXPLORATIONS
COTE OPTION
SMITHERS AREA, B.C.

INDUCED POLARIZATION SURVEY
FREQUENCY DOMAIN @ 5.0 & 0.3 Hz
DIPOLE-DIPOLE ARRAY

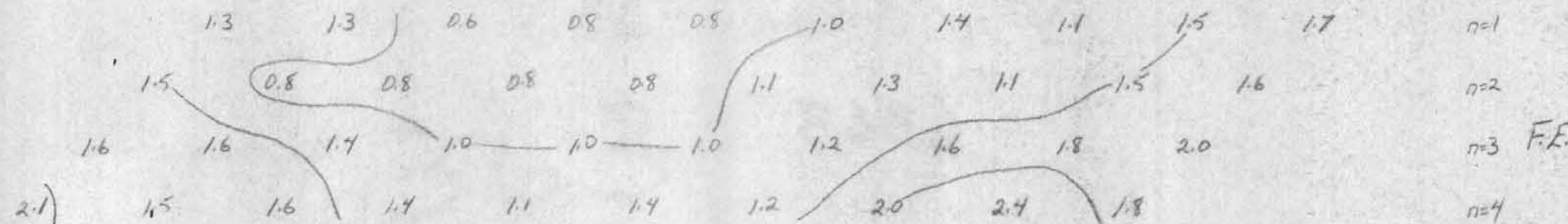
OPERATORS: MORRISON & TAYLOR

SCALE: 1" = 400 FT.

LINE 3800 N

DATE: MARCH 19, 20, 1977

FIGURE 3(A)

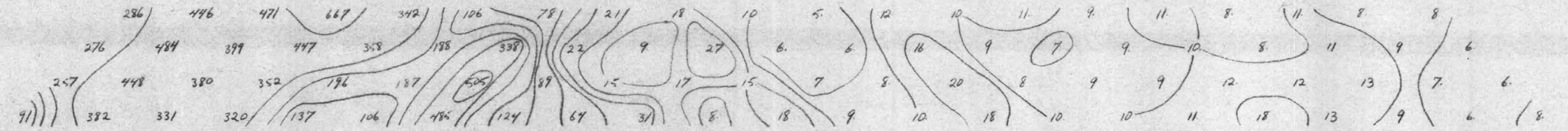


6363

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT

NO. 6363

11.2E 11.6E 12.0E 12.4E 12.8E 13.2E 13.6E 14.0E 14.4E 14.8E 15.2E 15.6E 16.0E 16.4E 16.8E 17.2E 17.6E 18.0E 18.4E 18.8E 19.2E 19.6E 20.0E 20.4E 20.8E 21.2E 21.6E 22.0E 22.4E



n=1
n=2
n=3
n=4

NOTE: LINE MISCHAINED 17.2E REPEATED TWICE
16.2E REPEATED TWICE

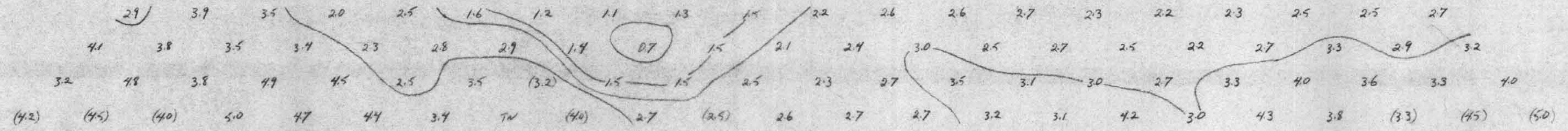
ROAD

CANADIAN SUPERIOR EXPLORATIONS

SMITHERS AREA, B.C.

INDUCED POLARIZATION SURVEY
FREQUENCY DOMAIN @ 5.0 & 0.3 Hz.
DIPOLE-DIPOLE ARRAY

OPERATORS: MORRISON & TAYLOR



n=1
n=2
n=3
n=4

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6363

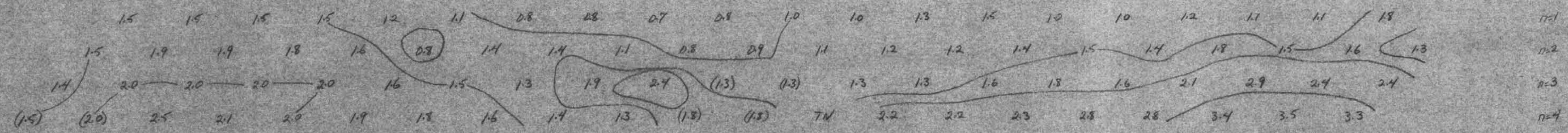
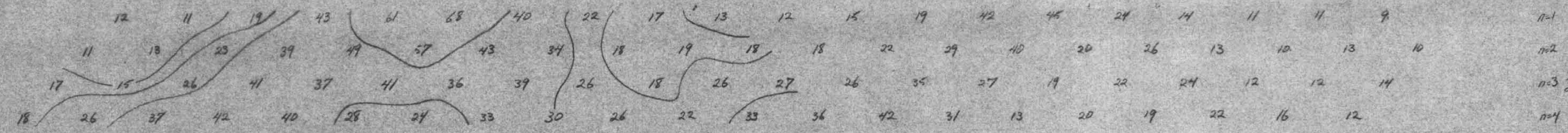
SCALE: 1" = 400 FT

DATE: MARCH 1, 9, 1977

LINE: 12,200N

6363
FIGURE 3(g)

13.0E 13.4E 13.8E 14.2E 14.6E 15.0E 15.4E 15.8E 16.2E 16.6E 17.0E 17.4E 17.8E 18.2E 18.6E 19.0E 19.4E 19.8E 20.2E 20.6E 21.0E 21.4E 21.8E 22.2E 22.6E 23.0E 23.4E



CANADIAN SUPERIOR EXPLORATIONS
COTE OPTION
SMITHERS AREA, BC.

INDUCED POLARIZATION SURVEY
FREQUENCY DOMAIN 50 & 0.3 Hz.
DIPOLE-DIPOLE ARRAY
OPERATORS: MORRISON & TAYLOR

SCALE: 1"=400 FT.

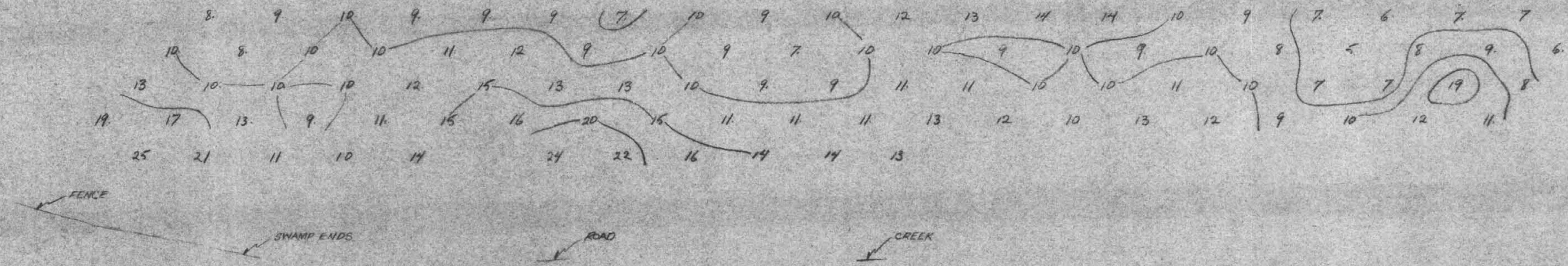
DATE: FEB. 19, 20, 24, 1977

LINE: 5000 N

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6363

6363 FIGURE 3(g)

130E 134E 138E 142E 146E 150E 154E 158E 162E 166E 170E 174E 178E 182E 186E 190E 194E 198E 202E 206E 210E 214E 218E 222E 226E 230E 234E



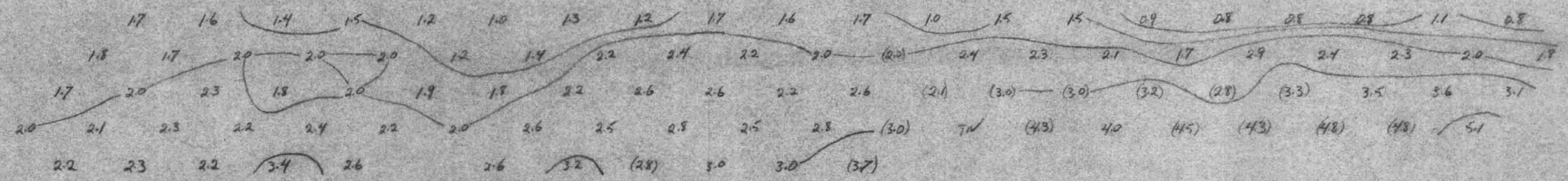
n=1
n=2
n=3
n=4
n=5

CANADIAN SUPERIOR EXPLORATIONS
COTE OPTION
SMITHERS AREA, B.C.

INDUCED POLARIZATION SURVEY
FREQUENCY DOMAIN 0.3750 Hz
DIPOLE-DIPOLE ARRAY
OPERATORS: MORRISON & TAYLOR

SCALE: 1" = 400 FT.

DATE: FEB. 20, 24, 1977



n=1
n=2
n=3
n=4
n=5

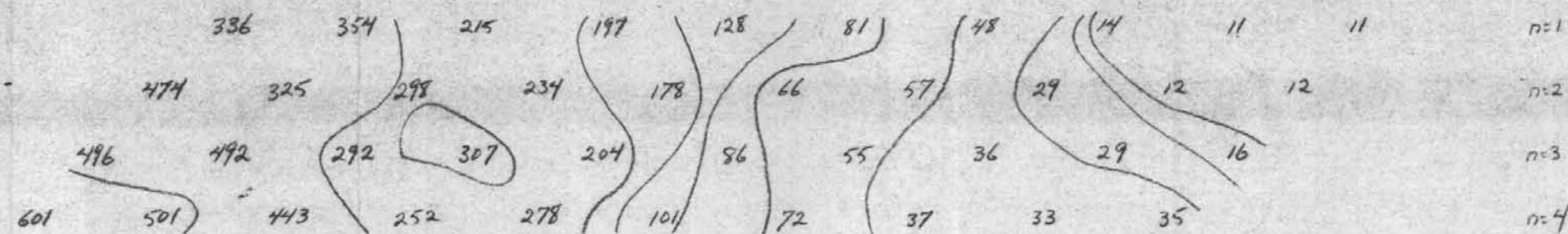
LINE: 6200 N

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6363

6363 FIGURE 3(A)

LINE 6.2 N

9.0E 9.4E 9.8E 10.2E 10.6E 11.0E 11.4E 11.8E 12.2E 12.6E 13.0E 13.4E 13.8E 14.2E 14.6E 15.0E



n=1

n=2

n=3

n=4

$\frac{P}{2H}$ (Jt-H)

CANADIAN SUPERIOR EXPLORATIONS
COTE OPTION
SMITHERS AREA, B.C.

INDUCED POLARIZATION SURVEY
FREQUENCY DOMAIN @ 5.0 & 0.3 Hz.
DIPOLE-DIPOLE ARRAY

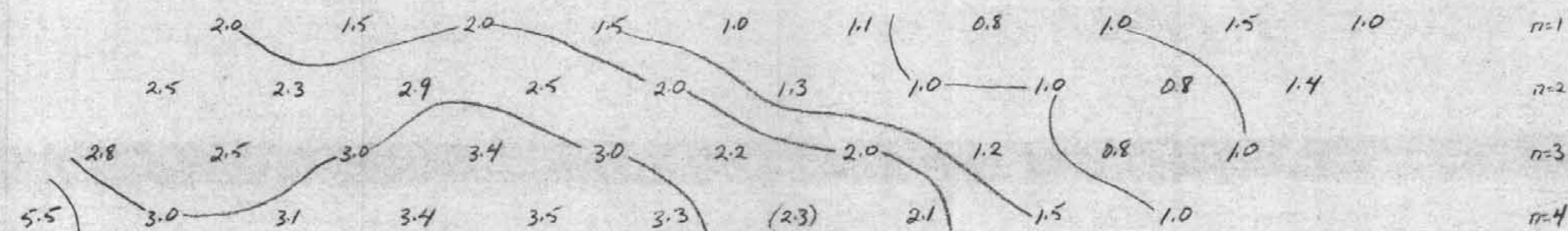
OPERATORS: MORRISON & TAYLOR

SCALE: 1" = 400 FT.

6363

DATE: MARCH 20, 1977

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6363



n=1

n=2

n=3

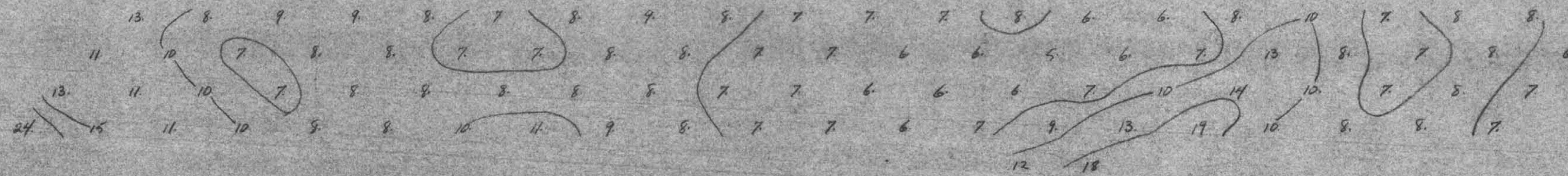
n=4

F.E.

LINE 6.200 N

FIGURE 3(i)

13.0E 13.4E 13.8E 14.2E 14.6E 15.0E 15.4E 15.8E 16.2E 16.6E 17.0E 17.4E 17.8E 18.2E 18.6E 19.0E 19.4E 19.8E 20.2E 20.6E 21.0E 21.4E 21.8E 22.2E 22.6E 23.0E 23.4E



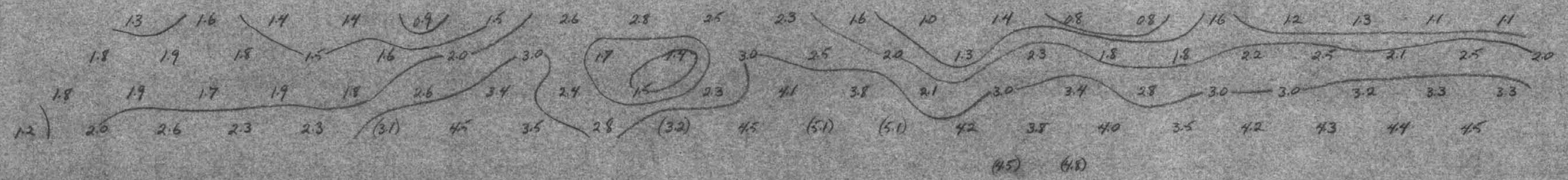
m1
m2
m3
m4

CANADIAN SUPERIOR EXPLORATIONS LTD.
COTE OPTION
SMITHERS AREA, B.C.

INDUCED POLARIZATION SURVEY
FREQUENCY DOMAIN 0.3-5.0 Hz
DIPOLE-DIPOLE ARRAY
OPERATORS: MORRISON & TAYLOR

SCALE: 1"=400 FT

DATE: FEB. 21, 23 1977



m1
m2
m3
m4

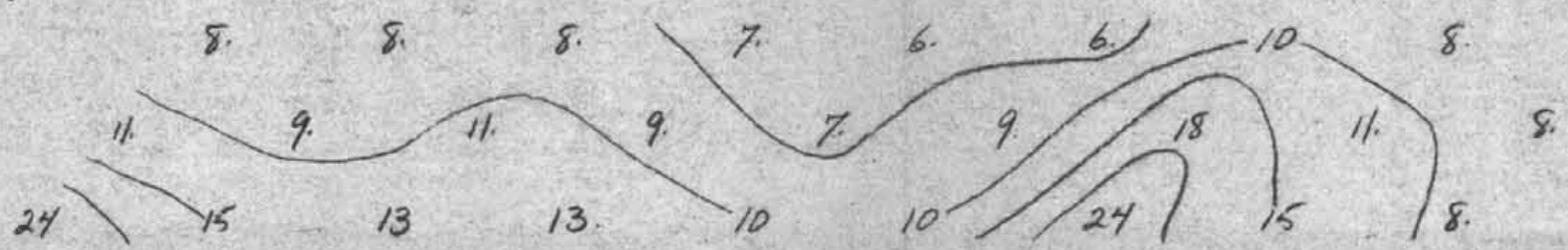
LINE: 7400 N

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6363

6363 FIGURE 3(f)

13.0E 13.8E 14.6E 15.4E 16.2E 17.0E 17.8E 18.6E 19.4E 20.2E 21.0E 21.8E 22.6E 23.4E

LINE 74N



n=1
n=2
n=3

CANADIAN SUPERIOR EXPLORATIONS
COTE OPTION
SMITHERS AREA, B.C.

INDUCED POLARIZATION SURVEY
FREQUENCY DOMAIN @ 5.0 & 0.3 Hz.
DIPOLE-DIPOLE ARRAY

OPERATORS: MORRISON & TAYLOR

SCALE: 1" = 800 FT.

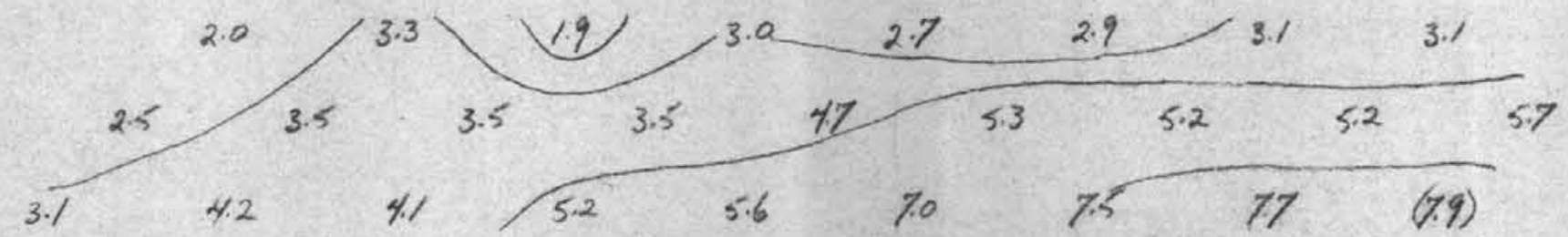
6363

DATE: MARCH 26, 1977

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6363

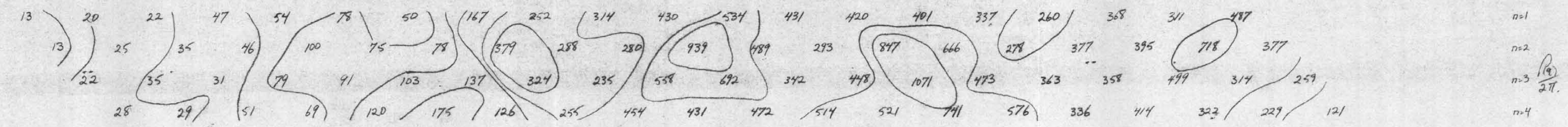
LINE: 7400N

FIGURE 3(A)

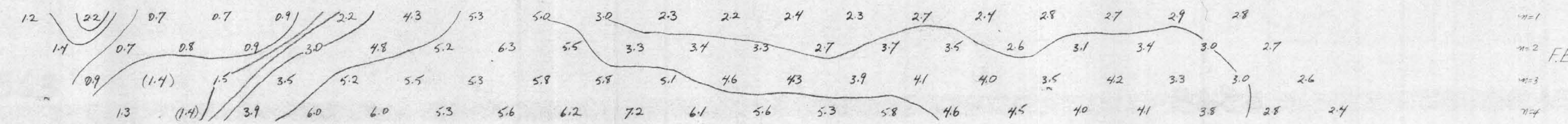
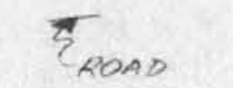


n=1
n=2
n=3

150E 146E 142E 138E 134E 130E 126E 122E 118E 114E 110E 106E 102E 98E 94E 90E 86E 82E 78E 74E 70E 66E 62E 58E 54E 50E



LINE 7400N



F.E.

CANADIAN SUPERIOR EXPLORATIONS LTD.
COTE OPTION
SMITHERS AREA, B.C.

INDUCED POLARIZATION SURVEY
FREQUENCY DOMAIN @ 5.0 & 0.3 Hz.
DIPOLE-DIPOLE ARRAY

OPERATORS: MORRISON & TAYLOR

SCALE: 1" = 400 FT.

DATE: MAY 10, 1977

LINE: 7400N

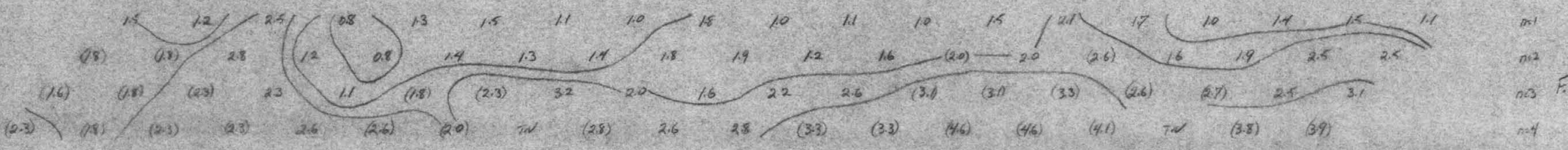
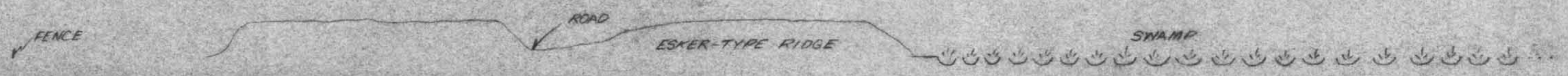
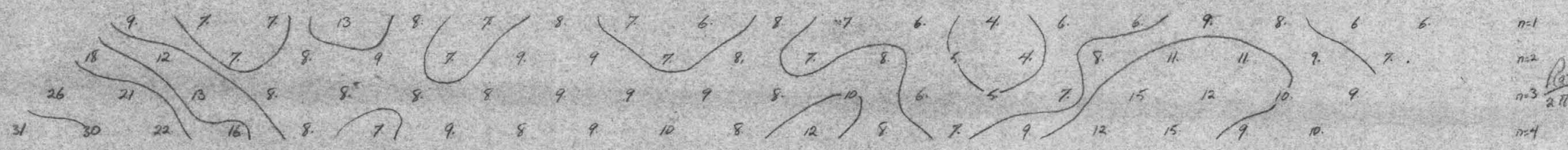
6363

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6363

FIGURE 30A

13.0E 13.4E 13.8E 14.2E 14.6E 15.0E 15.4E 15.8E 16.2E 16.6E 17.0E 17.4E 17.8E 18.2E 18.6E 19.0E 19.4E 19.8E 20.2E 20.6E 21.0E 21.4E 21.8E 22.2E 22.6E

Line 86 N



CANADIAN SUPERIOR EXPLORATIONS LTD
COTE OPTION
SMITHERS AREA, B.C.

INDUCED POLARIZATION SURVEY
FREQUENCY DOMAIN 0.3-5.0 Hz
DIPOLE-DIPOLE ARRAY
OPERATORS: MORRISON & TAYLOR

SCALE: 1"=400 ft.

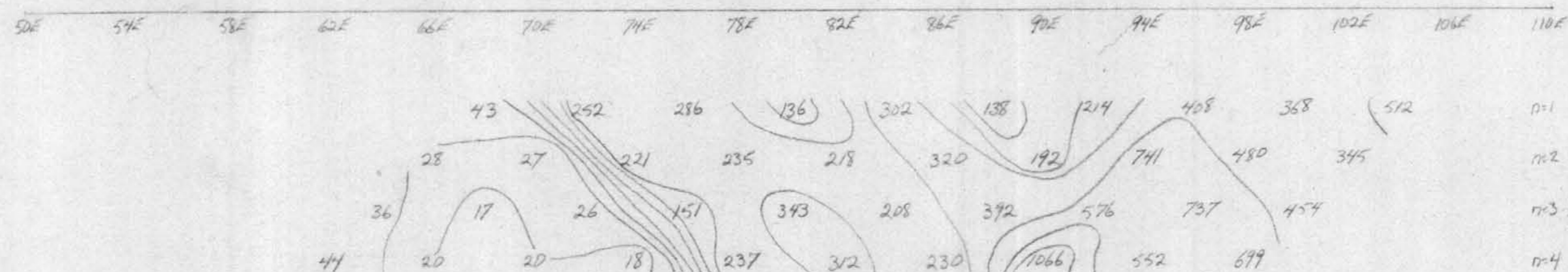
DATE: FEB. 22, 23, 1977

LINE: 8600 N

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. **6363**

6363 FIGURE 3(1)

LINE 8600 N



CANADIAN SUPERIOR EXPLORATION LTD.
COTE OPTION
SMITHERS AREA, BC

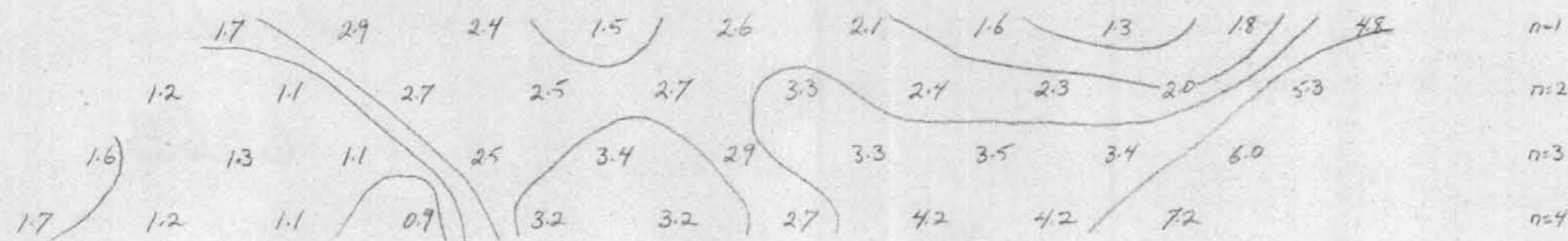
INDUCED POLARIZATION SURVEY
FREQUENCY DOMAIN @ 5.0 ± 0.3 Hz
DIPOLE-DIPOLE ARRAY

OPERATORS: MORRISON & TAYLOR

SCALE: 1" = 400 FT.

DATE: MAY 11, 1977

LINE: 8600 N



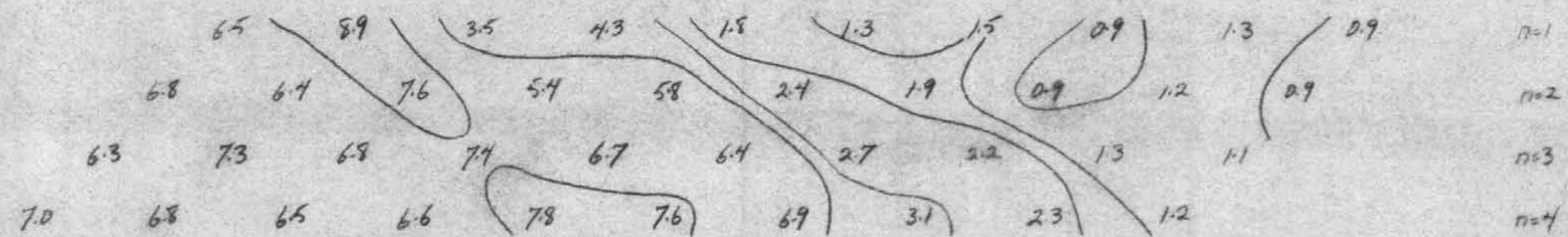
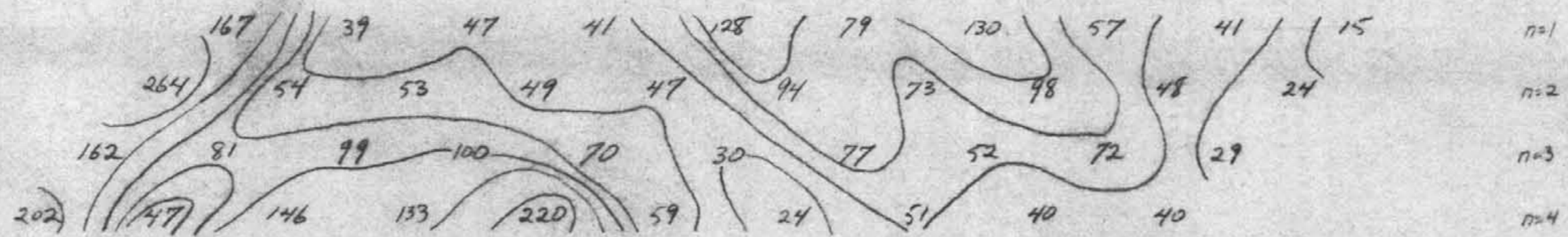
6363

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6363

FIGURE 3(m')

9.0E 9.4E 9.8E 10.2E 10.6E 11.0E 11.4E 11.8E 12.2E 12.6E 13.0E 13.4E 13.8E 14.2E 14.6E 15.0E

LINE 8.6 N.



CANADIAN SUPERIOR EXPLORATIONS
COTE OPTION
SMITHERS AREA, BC.

INDUCED POLARIZATION SURVEY
FREQUENCY DOMAIN @ 5.0 & 0.3 Hz
DIPOLE-DIPOLE ARRAY

OPERATORS MORRISON & TAYLOR

SCALE: 1" = 400 FT.

6363

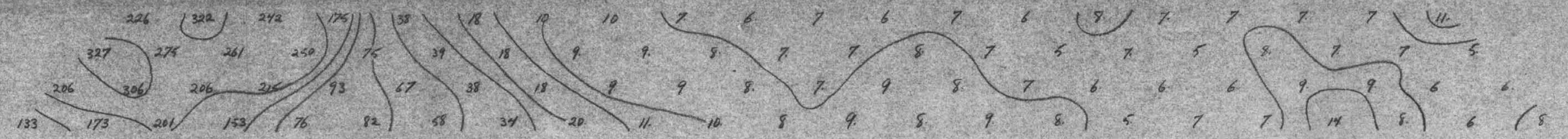
MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6363

LINE 8600 N

DATE: MARCH 21, 1977

FIGURE 3(m)

11.2E 11.6E 12.0E 12.4E 12.8E 13.2E 13.6E 14.0E 14.4E 14.8E 15.2E 15.6E 16.0E 16.4E 16.8E 17.2E 17.6E 18.0E 18.4E 18.8E 19.2E 19.6E 20.0E 20.4E 20.8E 21.2E 21.6E 22.0E



n=1
n=2
n=3 P (N.H.)
n=4 27

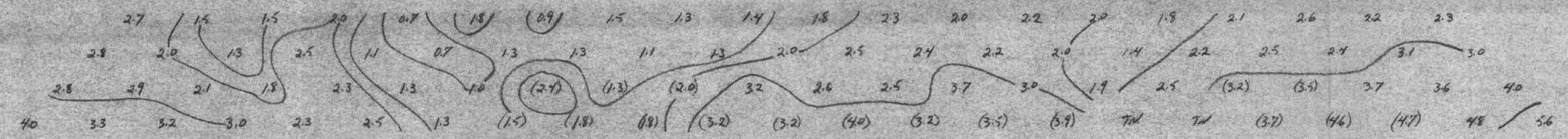
ROAD

CANADIAN SUPERIOR EXPLORATIONS
COTE OPTION
SMITHERS AREA, B.C.

INDUCED POLARIZATION SURVEY
FREQUENCY DOMAIN 5.0 & 0.3 Hz.
DIPOLE-DIPOLE ARRAY
OPERATORS: MORRISON & TAYLOR

SCALE: 1" = 400 FT.

DATE: FEB 27, MARCH 3, 1977



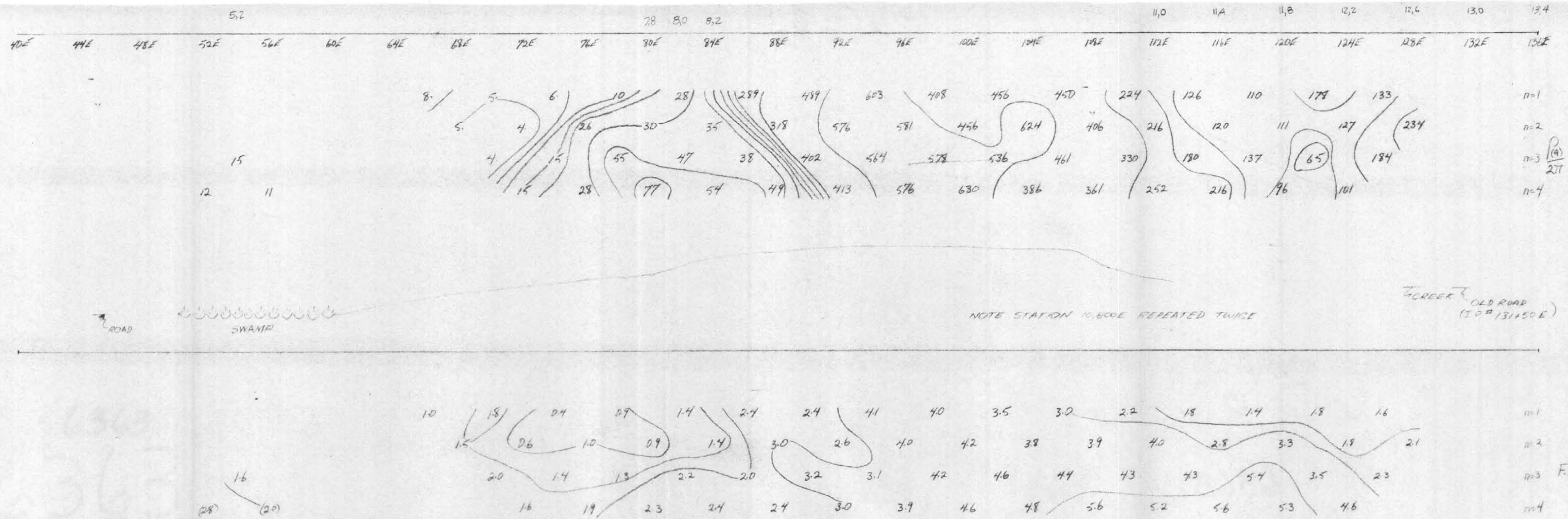
n=1
n=2
n=3 F.E.
n=4

LINE: 9800 N

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6363

6363 FIGURE 3(m)

LINE 9800 N



CANADIAN SUPERIOR EXPLORATIONS LTD
COTE OPTION
SMITHERS AREA, B.C.

INDUCED POLARIZATION SURVEY
FREQUENCY DOMAIN @ 5.0 & 0.3 Hz
DIPOLE-DIPOLE ARRAY

OPERATORS: MORRISON & TAYLOR

6363

SCALE: 1" = 400 FT.

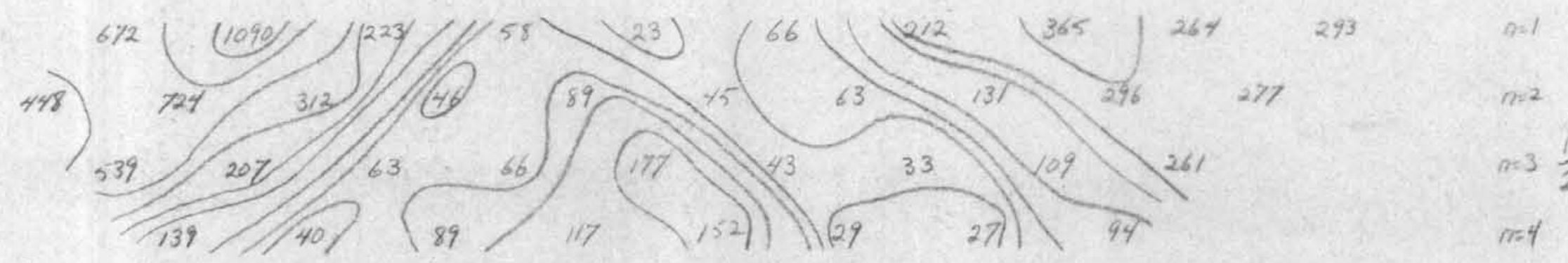
DATE: MAY 12, 1977

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6363

LINE: 9800 N

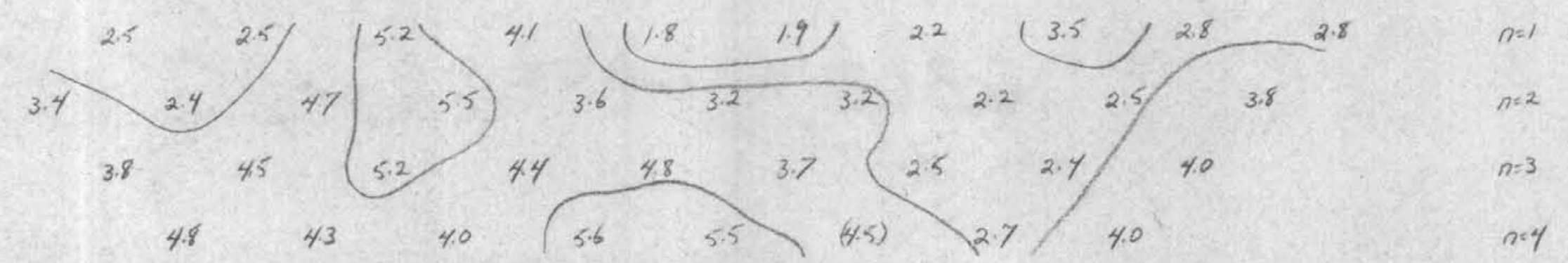
FIGURE 3 (m')

80E 84E 88E 92E 96E 100E 104E 108E 112E 116E 120E 124E 128E 132E



NOTE: TIE LINE 11,000E
GOING SOUTH @ I.R. STATION
10,400E
GOING NORTH @ 10,600E

NOTE: I.R. STATION
10,800E - LINE STATION
11,000E



CANADIAN SUPERIOR EXPLORATIONS
COTE OPTION
SMITHERS AREA, B.C.

INDUCED POLARIZATION SURVEY
FREQUENCY DOMAIN @ 5.0 & 0.3 Hz.
DIPOLE-DIPOLE ARRAY

OPERATORS: MORRISON & TAYLOR

SCALE: 1" = 400 FT.

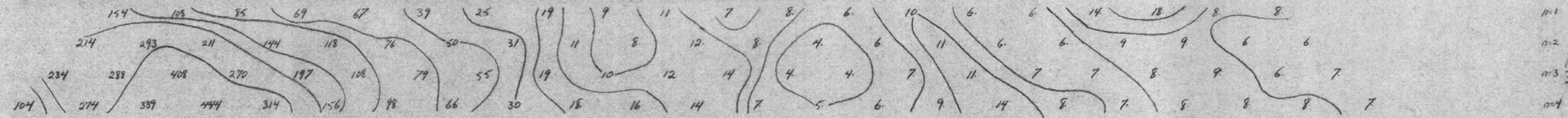
DATE: MARCH 22, 1977

LINE: 12,200 N

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. **6363**

6363
FIGURE 3(n)

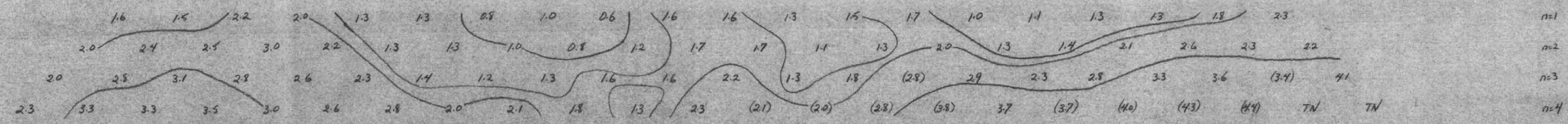
112E 116E 120E 124E 128E 132E 136E 140E 144E 148E 152E 156E 160E 164E 168E 172E 176E 180E 184E 188E 192E 196E 200E 204E 208E 212E 216E 220E 224E



CANADIAN SUPERIOR EXPLORATIONS

SMITHERS AREA, B.C.

INDUCED POLARIZATION SURVEY
 FREQUENCY DOMAIN @ 5.0 & 0.3 Hz
 DIPOLE-DIPOLE ARRAY
 OPERATORS: MORRISON & TAYLOR



SCALE: 1" = 400 ft.

6363

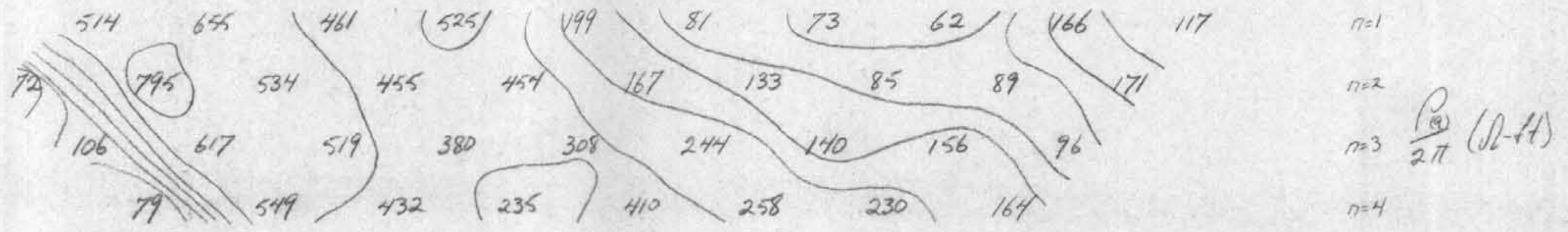
MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
 NO. 6363

DATE: FEB 28, MARCH 10, 21, 1977

LINE: 11,000N

FIGURE 3(b)

8.0E 8.4E 9.8E 9.2E 9.6E 10.0E 10.4E 10.8E 11.2E 11.6E 12.0E 12.4E 12.8E 13.2E



CANADIAN SUPERIOR EXPLORATIONS
 COTE OPTION
 SMITHERS AREA, B.C.

INDUCED POLARIZATION SURVEY
 FREQUENCY DOMAIN @ 5.0 & 0.3 Hz
 DIPOLE-DIPOLE ARRAY

OPERATORS: MORRISON & TAYLOR

SCALE: 1" = 400 FT.

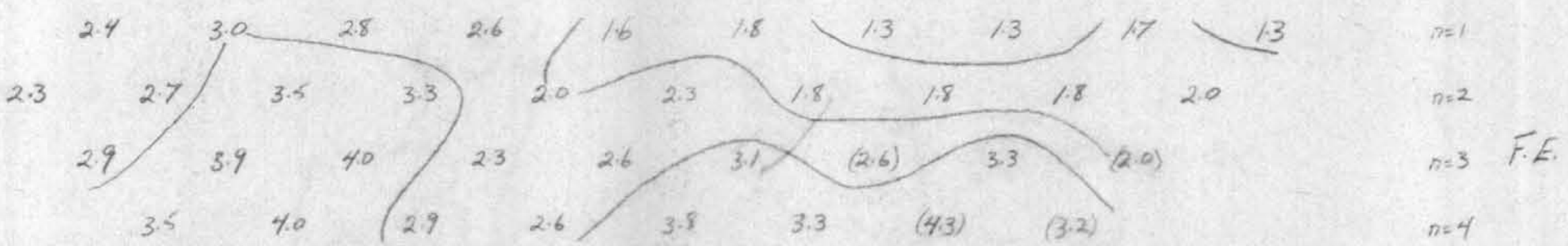
LINE: 11,000 N

DATE: MARCH 21, 1977

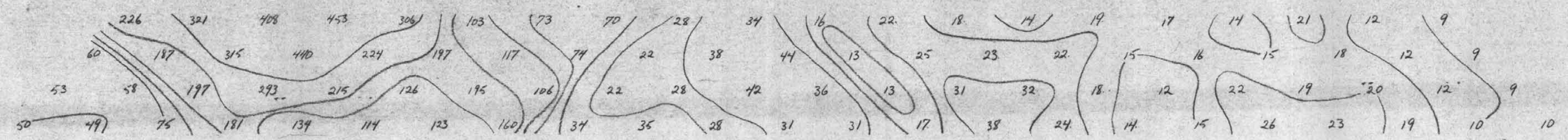
MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
 NO. 6363

6363

FIGURE 3(p)



11.2E 11.6E 12.0E 12.4E 12.8E 13.2E 13.6E 14.0E 14.4E 14.8E 15.2E 15.6E 16.0E 16.4E 16.8E 17.2E 17.6E 18.0E 18.4E 18.8E 19.2E 19.6E 20.0E 20.4E 20.8E 21.2E 21.6E 22.0E 22.4E



n=1
n=2
n=3
n=4

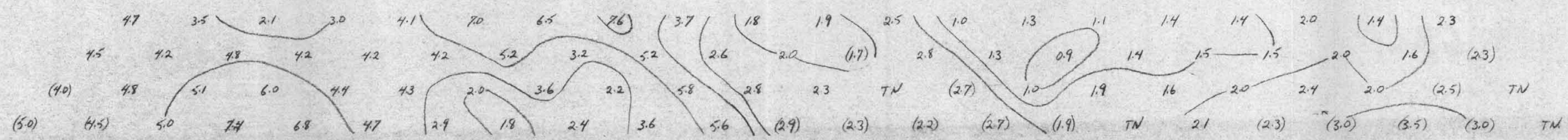
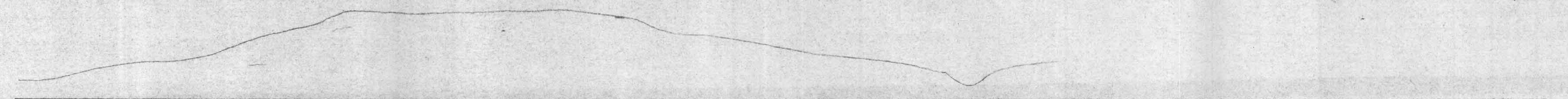
Handwritten note: 211 (a-f)

CANADIAN SUPERIOR EXPLORATIONS

SMITHERS AREA, B.C.

INDUCED POLARIZATION SURVEY
FREQUENCY DOMAIN @ 5.0 & 0.3 Hz
DIPOLE-DIPOLE ARRAY

OPERATORS: MORRISON & TAYLOR



n=1
n=2
n=3
n=4

Handwritten note: F.E.

SCALE: 1" = 400 FT.

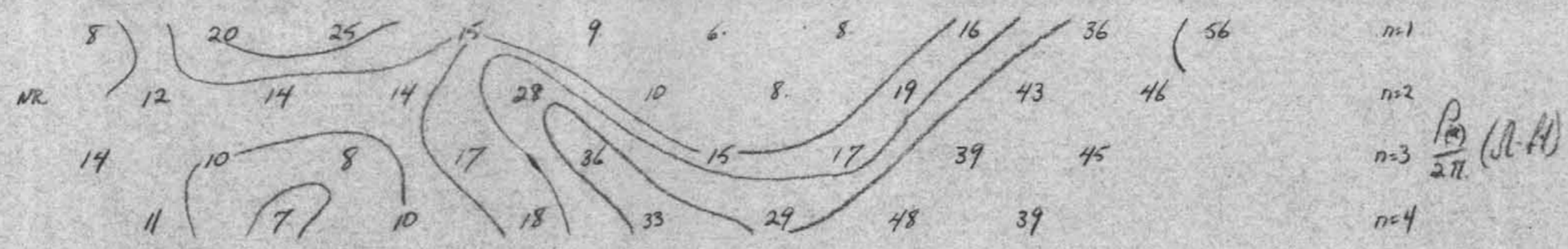
DATE: MARCH 1, 8, 1977

LINE: 13,400 N

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. **6363**

6363
FIGURE 3(a)

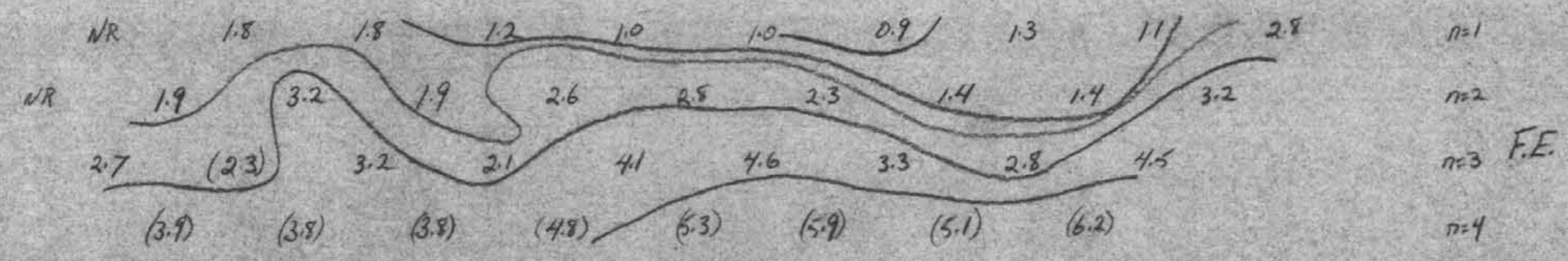
8.0E 8.4E 8.8E 9.2E 9.6E 10.0E 10.4E 10.8E 11.2E 11.6E 12.0E 12.4E 12.8E 13.2E



CANADIAN SUPERIOR EXPLORATIONS
 COTE OPTION
 SMITHERS AREA, B.C.

INDUCED POLARIZATION SURVEY
 FREQUENCY DOMAIN @ 50 ± 0.3 Hz.
 DIPOLE-DIPOLE ARRAY

OPERATOR'S: MORRISON & TAYLOR



SCALE: 1" = 400 ft.

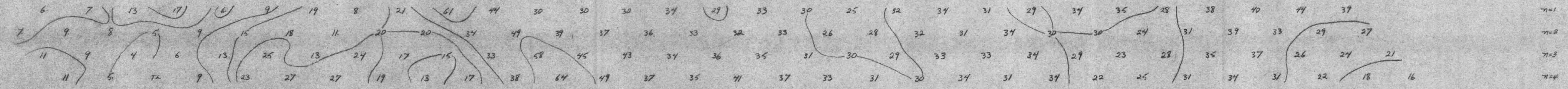
DATE: MARCH 23, 1977

LINE: 13,400 N

MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
 NO. **6363**

6363
 FIGURE 3(k)

5.0E 8.4E 8.8E 9.2E 9.6E 10.0E 10.4E 10.8E 11.2E 11.6E 12.0E 12.4E 12.8E 13.2E 13.6E 14.0E 14.4E 14.8E 15.2E 15.6E 16.0E 16.4E 16.8E 17.2E 17.6E 18.0E 18.4E 18.8E 19.2E 19.6E 20.0E 20.4E 20.8E 21.2E 21.6E 22.0E 22.4E



n=1
n=2
n=3
n=4

$\frac{\rho_a}{2\pi}$
OHM-FT.

CANADIAN SUPERIOR EXPLORATIONS
COTE OPTION
SMITHERS AREA, B.C.

INDUCED POLARIZATION SURVEY
FREQUENCY DOMAIN @ 5.0 & 0.3 Hz
DIPOLE-DIPOLE ARRAY

OPERATORS: MORRISON & TAYLOR

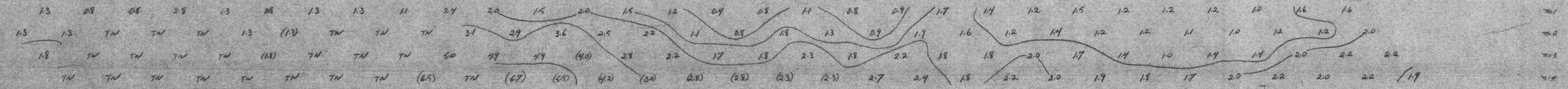
SCALE: 1" = 400 FT.

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6363

DATE: MARCH 28, 13, 1977

LINE: 14,600N

6363
FIGURE 3(u)



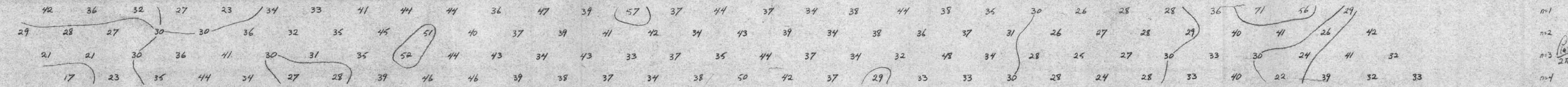
n=1
n=2
n=3
n=4

FE.

146N

NE-158N

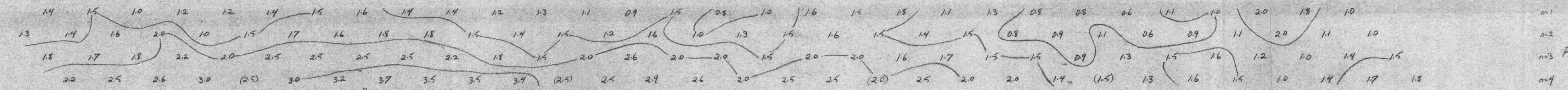
8.0E 8.4E 8.8E 9.2E 9.6E 10.0E 10.4E 10.8E 11.2E 11.6E 12.0E 12.4E 12.8E 13.2E 13.6E 14.0E 14.4E 14.8E 15.2E 15.6E 16.0E 16.4E 16.8E 17.2E 17.6E 18.0E 18.4E 18.8E 19.2E 19.6E 20.0E 20.4E 20.8E 21.2E 21.6E 22.0E 22.4E



CANADIAN SUPERIOR EXPLORATIONS
COTE OPTION
SMITHERS AREA, B.C.

INDUCED POLARIZATION SURVEY
FREQUENCY DOMAIN @ 5.0 of 0.3 Hz.
DIPOLE-DIPOLE ARRAY

OPERATORS: MORRISON & TAYLOR



SCALE: 1" = 400 FT.

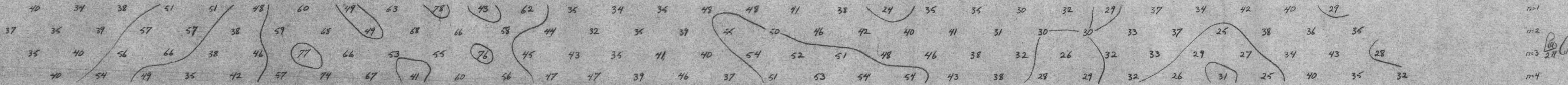
DATE: MARCH 2, 3, 7, 13, 1977

LINE: 15,800N

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6363

6363
FIGURE 3 (v)

8.0E 8.4E 8.8E 9.2E 9.6E 10.0E 10.4E 10.8E 11.2E 11.6E 12.0E 12.4E 12.8E 13.2E 13.6E 14.0E 14.4E 14.8E 15.2E 15.6E 16.0E 16.4E 16.8E 17.2E 17.6E 18.0E 18.4E 18.8E 19.2E 19.6E 20.0E 20.4E 20.8E 21.2E 21.6E 22.0E 22.4E



CANADIAN SUPERIOR EXPLORATIONS
COTE OPTION
SMITHERS AREA, B.C.

INDUCED POLARIZATION SURVEY
FREQUENCY DOMAIN 50 & 0.3 Hz
DIPOLE-DIPOLE ARRAY

OPERATORS: MORRISON & TAYLOR

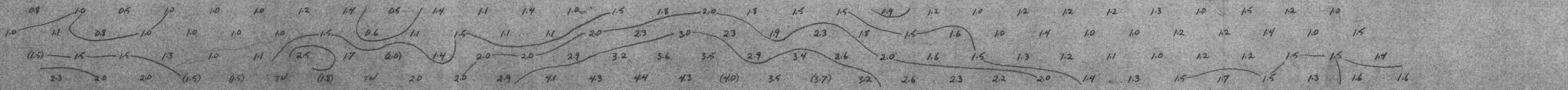
SCALE: 1" = 400 FT

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6363

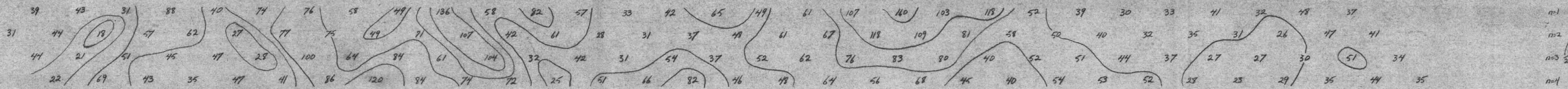
DATE: MARCH 3, 6, 7, 12, 1977

LINE: 17,000 N

6363
FIGURE 3(a)



8.0E 8.4E 8.8E 9.2E 9.6E 10.0E 10.4E 10.8E 11.2E 11.6E 12.0E 12.4E 12.8E 13.2E 13.6E 14.0E 14.4E 14.8E 15.2E 15.6E 16.0E 16.4E 16.8E 17.2E 17.6E 18.0E 18.4E 18.8E 19.2E 19.6E 20.0E 20.4E 20.8E 21.2E 21.6E 22.0E 22.4E



n=1
n=2
n=3
n=4

CANADIAN SUPERIOR EXPLORATIONS
COTE OPTION
SMITHERS AREA, B.C.

INDUCED POLARIZATION SURVEY
FREQUENCY DOMAIN @ 50 & 0.3 Hz.
DIPOLE-DIPOLE ARRAY

OPERATORS: MORRISON & TAYLOR

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6363

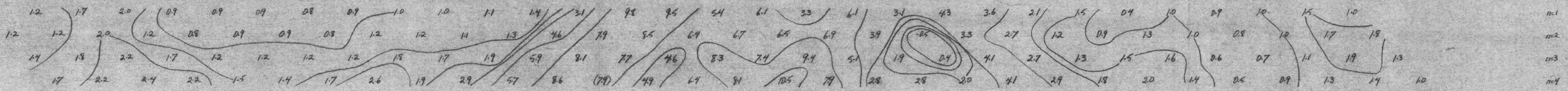
SCALE: 1" = 400 FT.

DATE: MARCH 4, 6, 12, 1977

LINE: 18,200 N

6363

FIGURE 3(x)

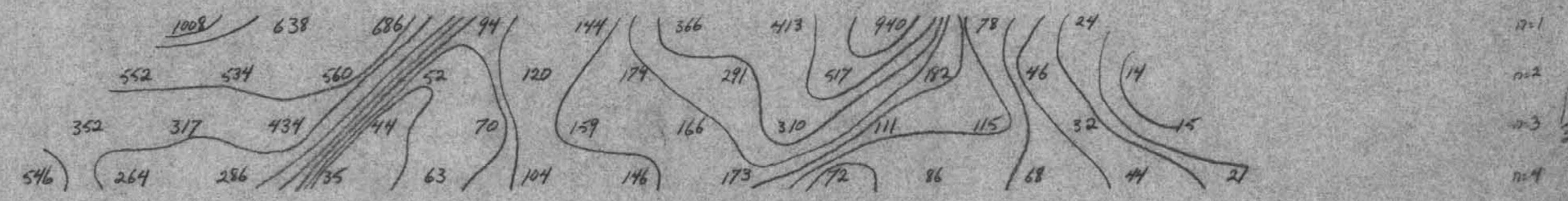


n=1
n=2
n=3
n=4

F.E.

LINE 194N

11.0E 11.4E 11.8E 12.2E 12.6E 13.0E 13.4E 13.8E 14.2E 14.6E 15.0E 15.4E 15.8E 16.2E 16.6E 17.0E 17.4E 17.8E 18.2E 18.6E 19.0E



n=1
n=2
n=3
n=4

CANADIAN SUPERIOR EXPLORATIONS
COTE OPTION
SMITHERS AREA, BC.

INDUCED POLARIZATION SURVEY
FREQUENCY DOMAIN @ 5.0 & 0.3 Hz.
DIPOLE-DIPOLE ARRAY

OPERATORS MORRISON & TAYLOR

SCALE: 1"=400 FT.

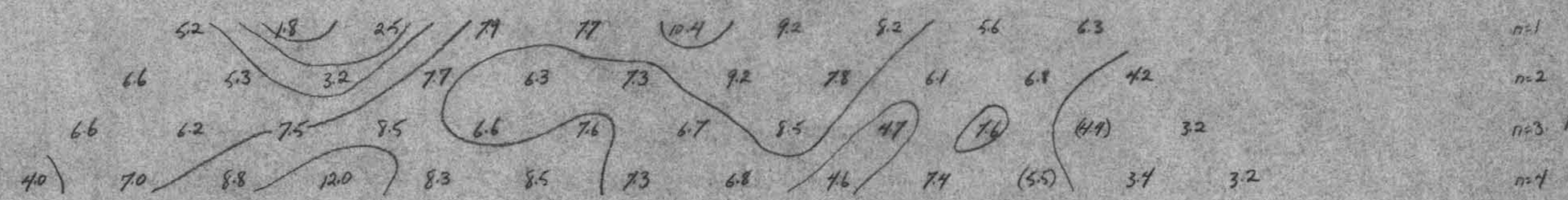
MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. **6363**

DATE: MARCH 16, 1977

LINE: 19,400N

6363

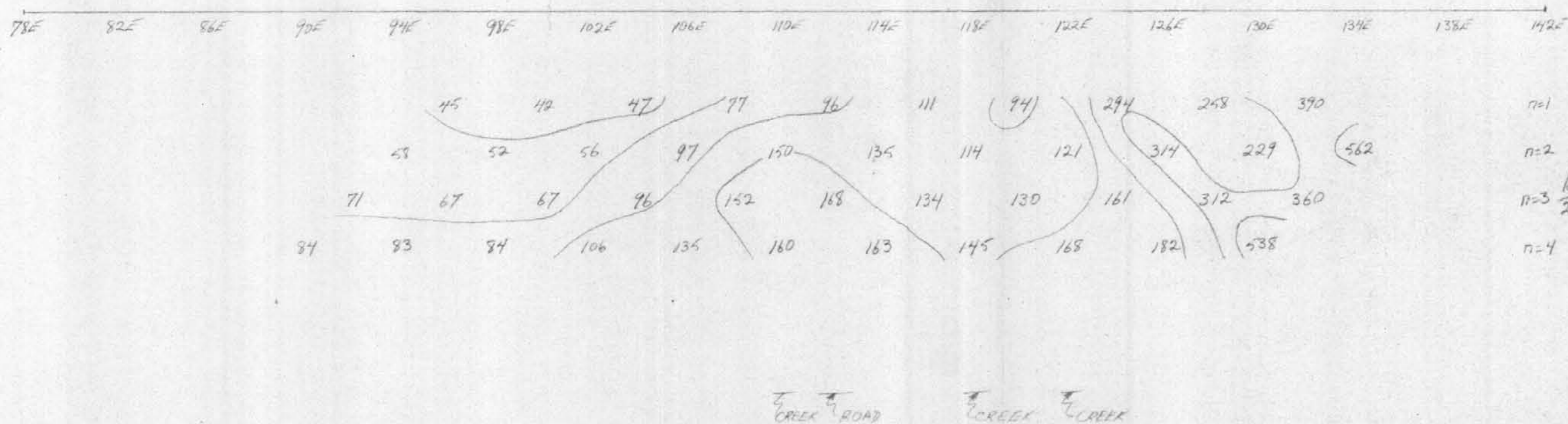
FIGURE 3(y)



n=1
n=2
n=3
n=4

F.E.

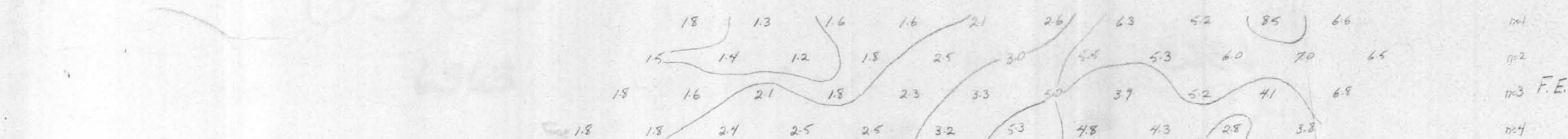
LINE 194N



CANADIAN SUPERIOR EXPLORATIONS LTD.
 COTE OPTION
 SMITHERS AREA, B.C.

INDUCED POLARIZATION SURVEY
 FREQUENCY DOMAIN @ 5.0 & 0.3 Hz
 DIPOLE-DIPOLE ARRAY

OPERATORS: MORRISON & TAYLOR



SCALE: 1" = 400 FT.

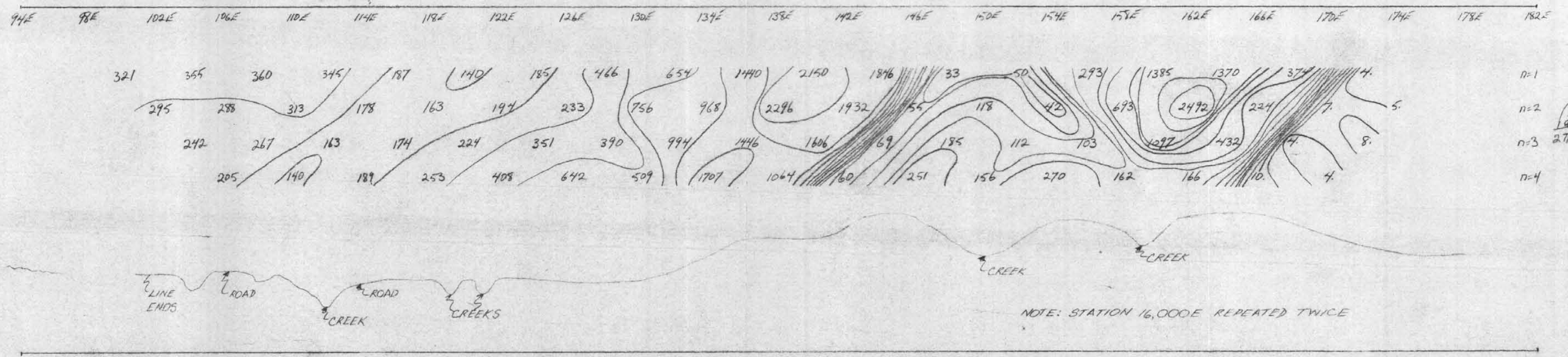
DATE: MAY 14, 1977

LINE: 19,400N

MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
 NO. **6363**

6363

FIGURE 3 (of 4)



LINE 20600N

n=1
n=2
n=3
n=4

CANADIAN SUPERIOR EXPLORATIONS LTD.
COTE OPTION
SMITHERS AREA, BC.

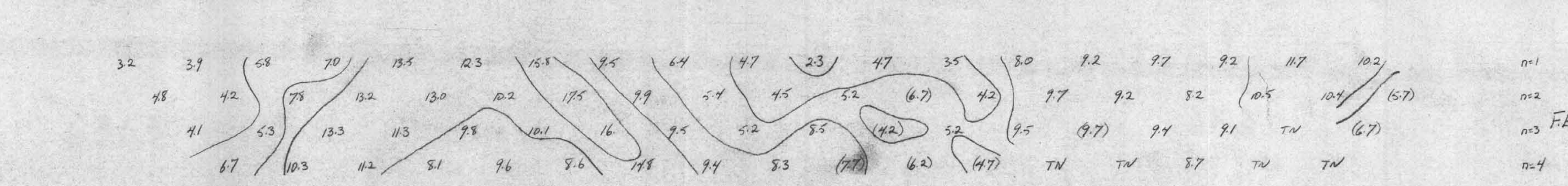
INDUCED POLARIZATION SURVEY
FREQUENCY DOMAIN @ 50 ± 0.3 Hz.
DIPOLE-DIPOLE ARRAY

OPERATORS: MORRISON & TAYLOR

SCALE: 1" = 400 FT.

DATE: MAY 14, 15, 1977

LINE 20,600N



n=1
n=2
n=3
n=4

F.E.

6363

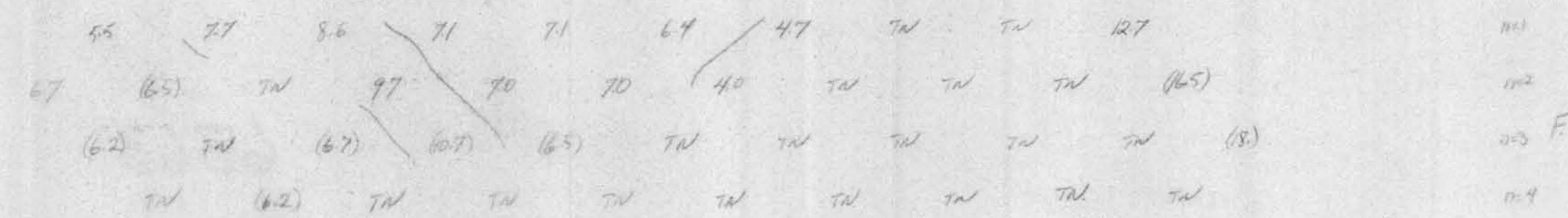
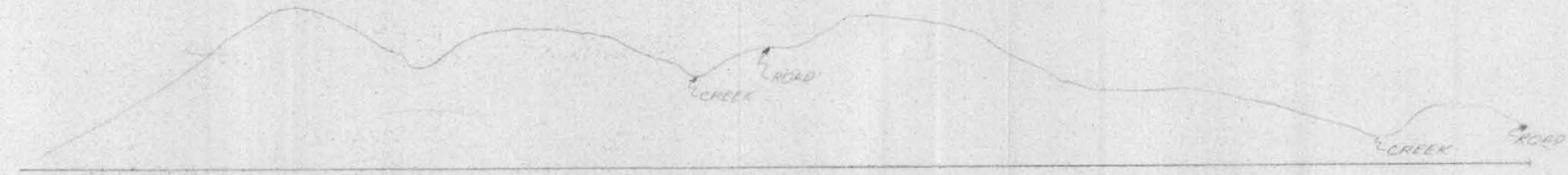
MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6363

FIGURE 3(2)

126E 130E 134E 138E 142E 146E 150E 154E 158E 162E 166E 170E 174E 178E 182E 186E 190E



LINE 21800 N



CANADIAN SUPERIOR EXPLORATIONS
COTE OPTION
SMITHERS AREA, B.C.

INDUCED POLARIZATION SURVEY
FREQUENCY DOMAIN @ 50 ± 0.3 Hz
DIPOLE-DIPOLE ARRAY

OPERATORS MORRISON & TAYLOR

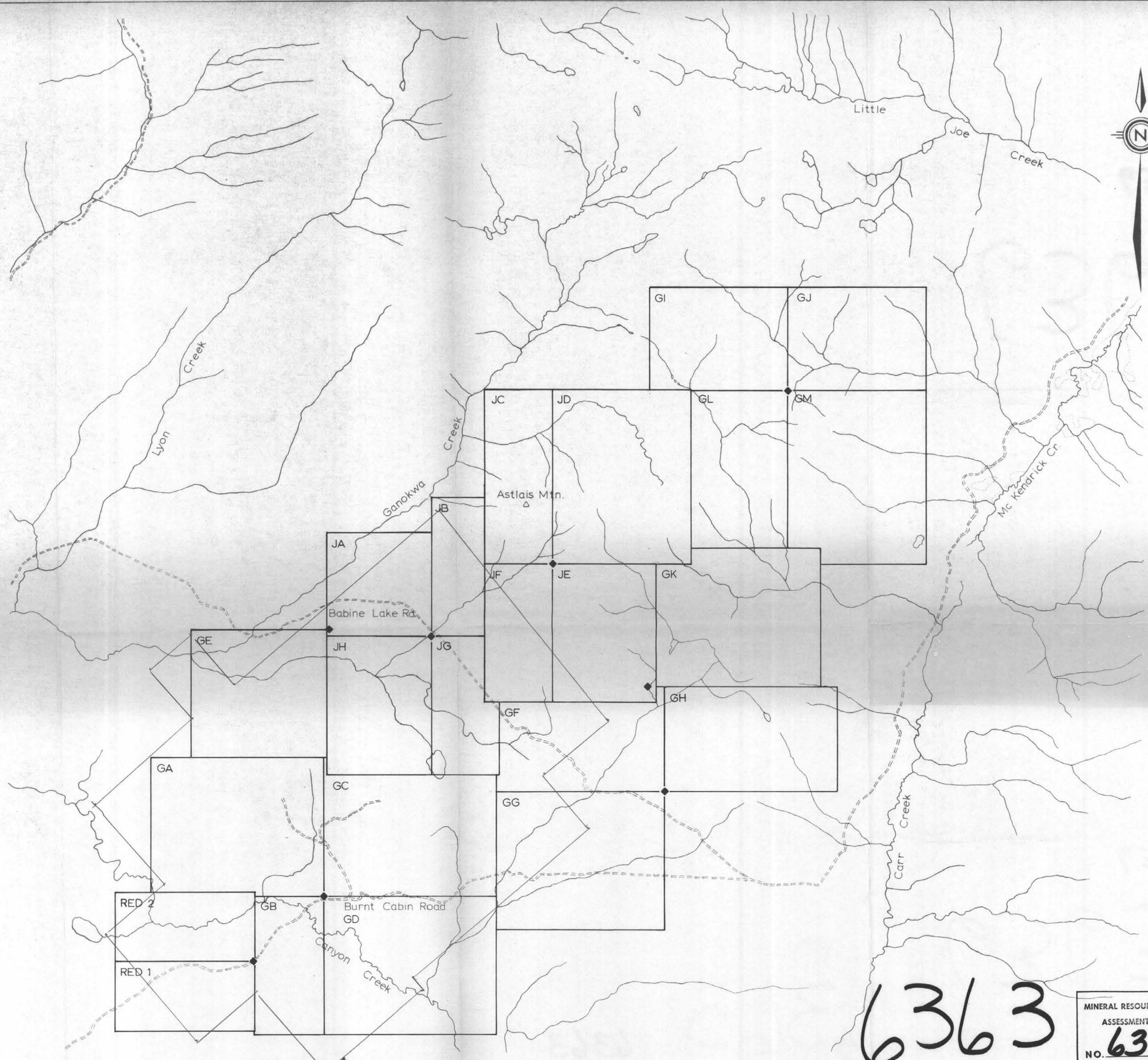
SCALE: 1" = 400 FT

DATE: MAY 16, 1977

LINE: 21,800 N
6363

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. **6363**

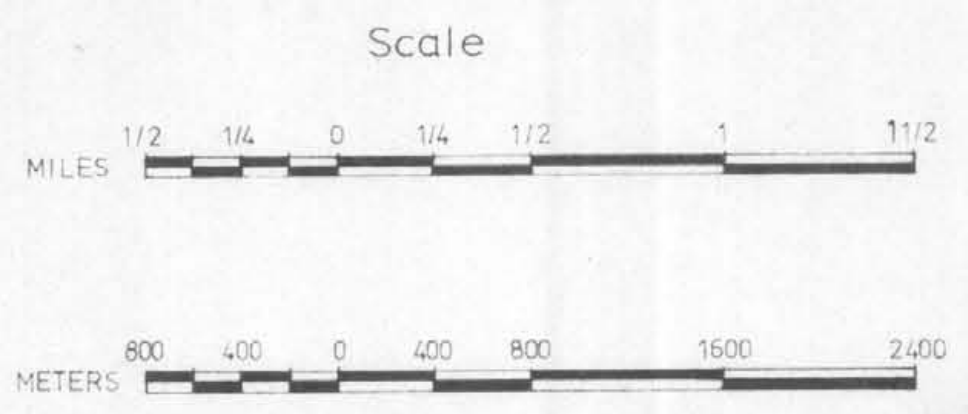
FIGURE 3(2)



6363

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. **6363**

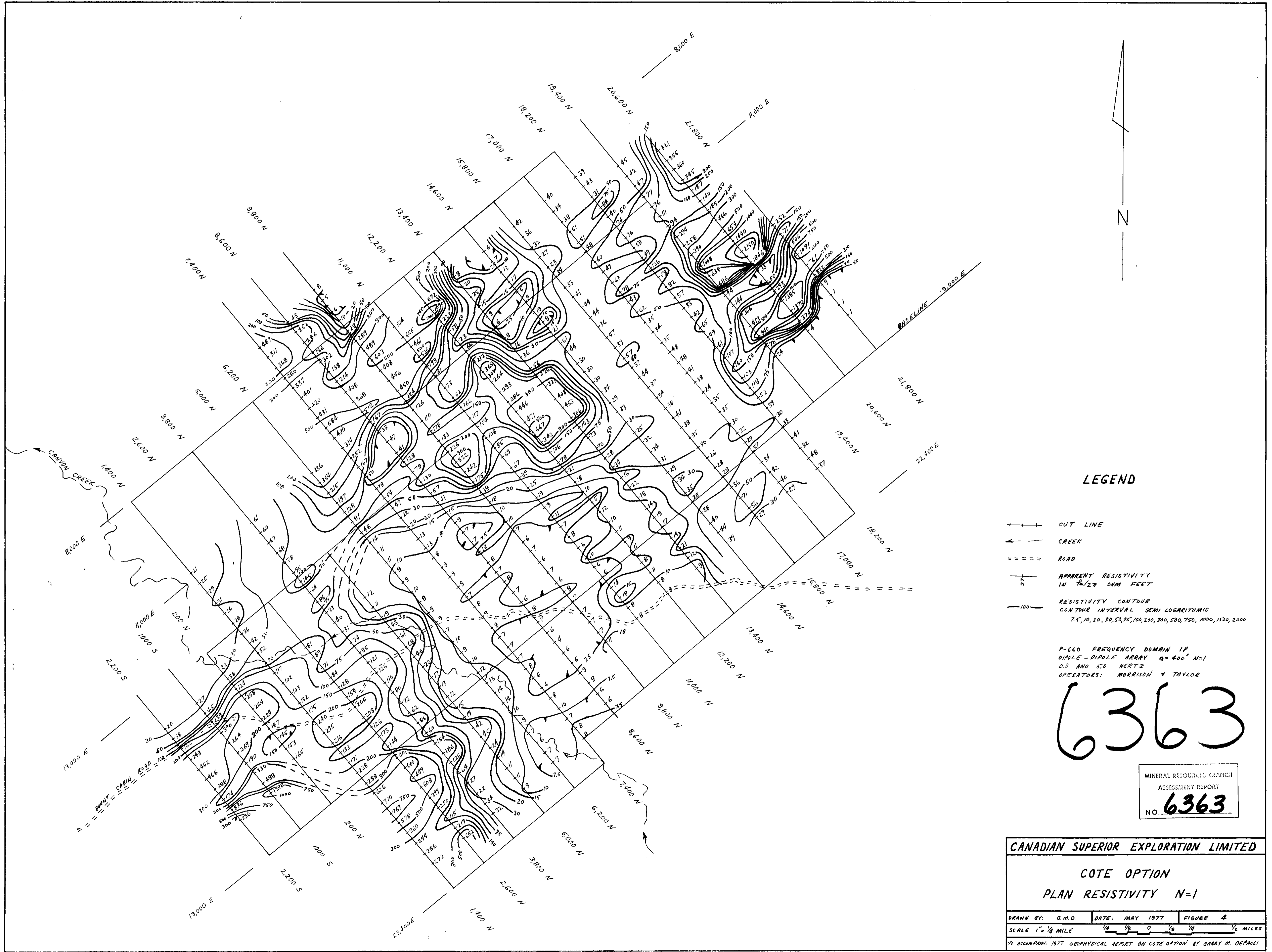
Grid (approx)
600



CANADIAN SUPERIOR EXPLORATION LTD.
SMITHERS REGIONAL OFFICE

CLAIM MAP BIG ONION AREA

NTS: 93 L/15 W SCALE: 1 inch = 1/2 mile DATE: MAY 1977



LEGEND

- +—+— CUT LINE
- ← CREEK
- == ROAD
- +— APPARENT RESISTIVITY IN $\frac{1}{2}$ / 27 OHM FEET
- RESISTIVITY CONTOUR CONTOUR INTERVAL SEMI LOGARITHMIC 7.5, 10, 20, 30, 50, 75, 100, 200, 300, 500, 750, 1000, 1500, 2000

P-660 FREQUENCY DOMAIN IP
 DIPOLE-DIPOLE ARRAY $a=400'$ $N=1$
 0.3 AND 5.0 HERTZ
 OPERATORS: MORRISON & TAYLOR

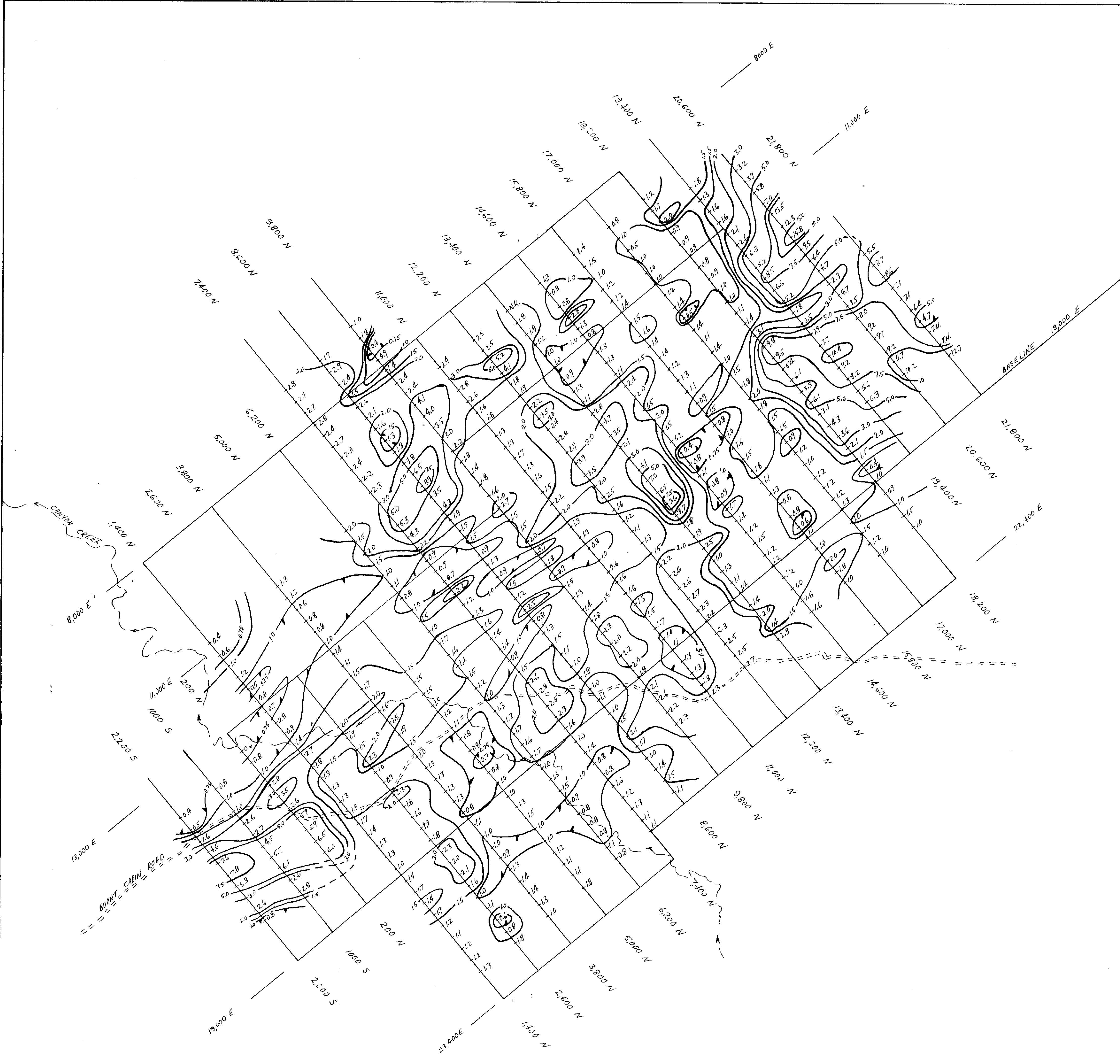
6363

MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
 NO. 6363

CANADIAN SUPERIOR EXPLORATION LIMITED

COTE OPTION
 PLAN RESISTIVITY N=1

DRAWN BY: G.M.D.	DATE: MAY 1977	FIGURE 4
SCALE 1" = 1/4 MILE		
TO ACCOMPANY: 1977 GEOPHYSICAL REPORT ON COTE OPTION BY GARRY M. DEPAOLI		



LEGEND

- CUT LINE
- ~ CREEK
- ==== ROAD
- PERCENT FREQUENCY EFFECT
- P.F.F. CONTOUR
CONTOUR INTERVAL SEMI LOGARITHMIC
0.75, 1.0, 1.5, 2.0, 3.0, 5.0, 7.5, 10, 15

P-660 FREQUENCY DOMAIN I.P.
DIPOLE-DIPOLE ARRAY $a=400' N=1$
0.3 AND 5.0 HERTZ
OPERATORS: MORRISON + TAYLOR

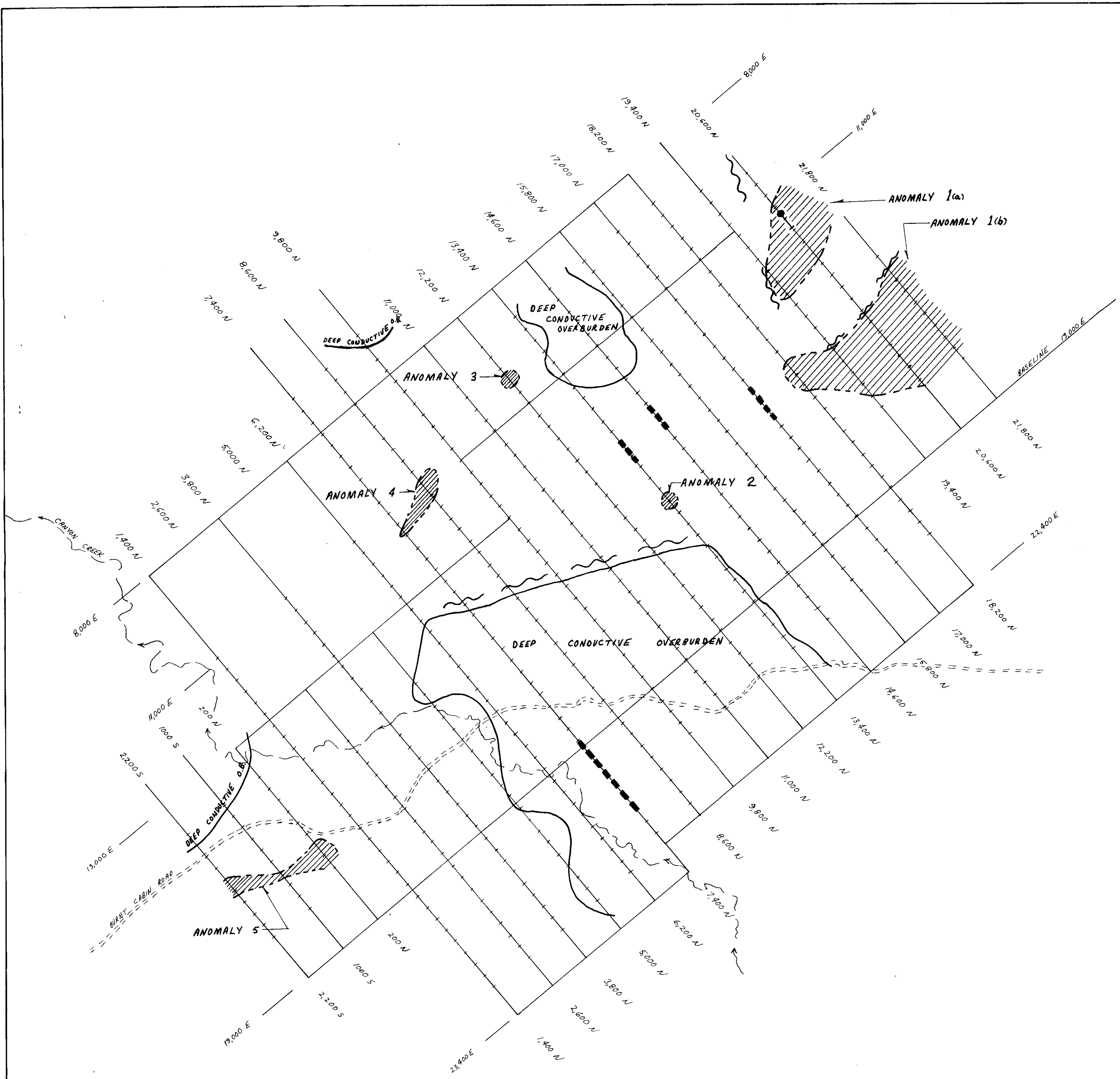
6363

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6363

CANADIAN SUPERIOR EXPLORATION LIMITED

COTE OPTION
PLAN P.F.F. N=1

DRAWN BY: G.M.D. DATE: MAY 1977 FIGURE 5
SCALE 1" = 1/4 MILE 1/4 1/8 0 1/8 1/4 1/2 MILES
TO ACCOMPANY 1977 GEOPHYSICAL REPORT ON COTE OPTION BY GARRY M. DEPOLI



LEGEND

- CUT LINE
- CREEK
- ROAD
- PERCENT FREQUENCY EFFECT ANOMALY
- WEAK PFE RESPONSE AT DEPTH
- INTERPRETED DEEP CONDUCTIVE OVERBURDEN > 300 FEET
- POSSIBLE FAULT
- RECOMMENDED DIAMOND DRILL HOLE COORDINATES 11,400 E ; 20,600 N

6363

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6363

CANADIAN SUPERIOR EXPLORATION LIMITED		
COTE OPTION GEOPHYSICAL INTERPRETATION		
DRAWN BY: G.M.D.	DATE: MAY 1977	FIGURE 6
SCALE 1" = 1/4 MILE		
TO ACCOMPANY: 1977 GEOPHYSICAL REPORT ON COTE OPTION BY GARRY M. DEPAOLI		