

ARIS SUMMARY SHEET

District Geologist, Kamloops

Off Confidential: 89.06.23

ASSESSMENT REPORT 17462

MINING DIVISION: Similkameen

PROPERTY: Similkameen

LOCATION: LAT 49 20 00 LONG 120 29 00  
UTM 10 5467339 682840  
NTS 092H07E 092H08W

CLAIM(S): Queen E Fr., Queen G Fr., Queen H Fr., Queen J Fr., Alpine Fr.  
Alpine 1

OPERATOR(S): Newmont Ex. of Can.

AUTHOR(S): Limion, H.

REPORT YEAR: 1988, 23 Pages

COMMODITIES

SEARCHED FOR: Copper, Gold

GEOLOGICAL

SUMMARY: The Voigt Stock, one of the Copper Mountain Intrusions of Late Triassic age, hosts a copper/gold deposit 800 metres long, and 2 to 30 metres wide. This vertical deposit is cut by post-mineral felsite dykes that divide it into a number of lenses. The mineralization consists of chalcopyrite and pyrite with appreciable specular hematite and minor magnetite. Host structure is a breccia and vein-stockwork. Alteration consists of potassium-feldspar epidote and calcite.

WORK  
E:

Geophysical

IPOL 28.1 km

Map(s) - 32; Scale(s) - 1:60.9, 1:2400

MAGG 75.0 km

Map(s) - 8; Scale(s) - 1:2400

RELATED

REPORTS: 01985, 01987

MINFILE: 092HSE017, 092HSE018, 092HSE020, 092HSE021

LOG NO: 0629	RD.
ACTION:	
FILE NO:	

REPORT ON THE 1987 GEOPHYSICAL  
PROGRAM ON THE  
SIMILKAMEEN PROJECT

FILMED

SIMILKAMEEN MINING DIVISION, BRITISH COLUMBIA  
N.T.S. 92H/E & 8W  
LATITUDE 49°, LONGITUDE 102° 29.2'

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

17,462

CLAIM OWNER: Newmont Mines Limited  
OPERATOR: Newmont Exploration of Canada Limited  
WORK DONE: May 15 to September 7, 1987  
REPORT BY: H. Limion, P.Eng.  
Newmont Exploration of Canada Limited  
Vancouver, B.C.  
DATE: February 20, 1988

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

17,462

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## INTRODUCTION

### Purpose

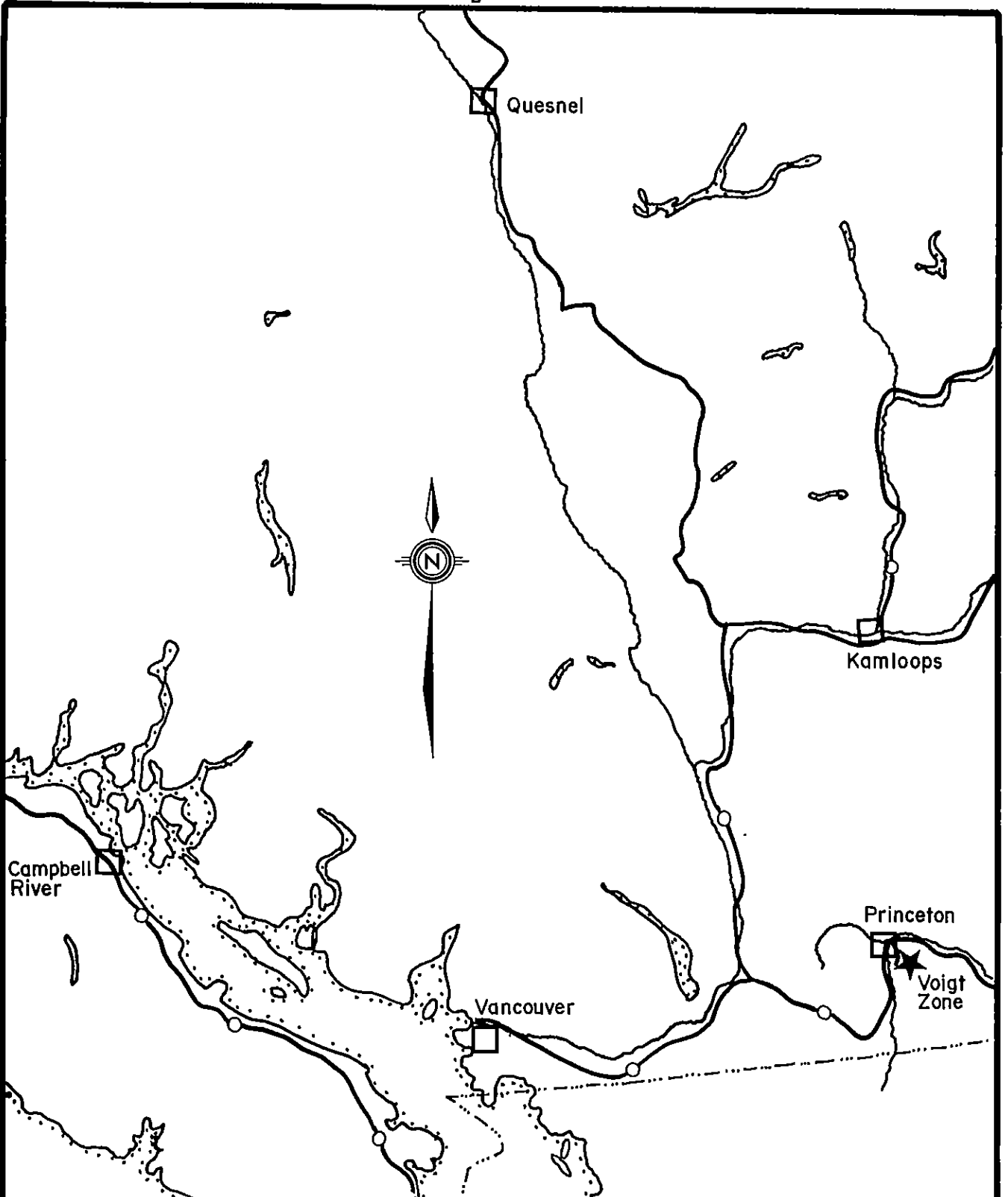
This report documents the results of the geophysical exploration program carried out during 1987 on a portion of the Similkameen mine property. Property owner is Newmont Mines Limited; operator of the exploration program is Newmont Exploration of Canada Limited.

Magnetic and induced polarization surveys were conducted on the property. Most of the work was concentrated on and around long known mineralized deposits named Automatic, Frisco and No. 14, collectively referred to as the Voigt Zone. The induced polarization survey was to trace the sulphides associated with the Voigt Zone, to find new locations, of disseminated sulphide mineralization and to aid in geological mapping. The magnetic survey was designed to aid in geologic mapping and trace the Voigt Zone.

### Location, Access and Topography

The area covered by the exploration program is located about 15 km south of the town of Princeton. It extends eastward from the canyon of the Similkameen River through Lost Horse Gulch, across Wolf Creek and up the western slope of the ridge separating Wolf and Willis Creeks.

The area is bisected by the paved Copper Mountain road; old logging and mining exploration roads provide excellent four-wheel drive access to most of the property.



# NEWMONT EXPLORATION OF CANADA LTD.

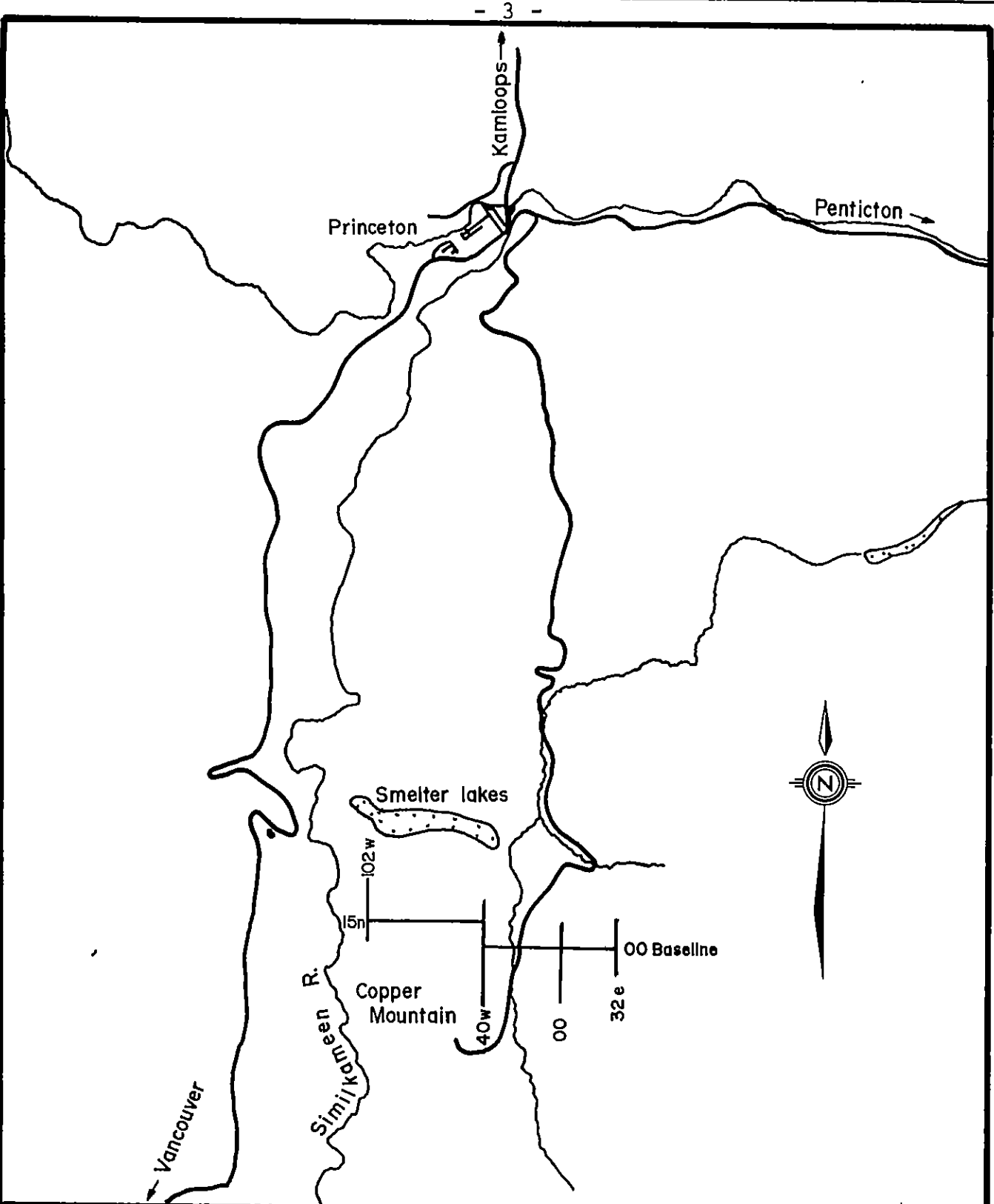
## SIMILKAMEEN PROJECT - VOIGT ZONE

Drawn by	Date	Revised by	Date
H.L.	Dec. 87		
Project Chief:			

### LOCATION MAP

Twp. of \_\_\_\_\_ NTS: 92H7 and 8  
 Province: B.C. Date: Dec. 87 Plate: Fig. 1

Scale: 1:2,500,000



**NEWMONT EXPLORATION OF CANADA LTD.**

**SIMILKAMEEN PROJECT - VOIGT ZONE**

Drawn by	Date	Revised by	Date
H.L.	Dec. 87		
Project Chief:		Scale: 1:100,000	

GRID LOCATION

Twp. of \_\_\_\_\_ NTS: 92 · H · 7 & 8  
 Province: B.C. Date: Dec. 87 Plate: Fig. 2

Elevations vary from 2500' at the bottom of the Similkameen Canyon to about 4200' in the area of Copper Mountain and the eastern limit of the property. The terrain is characterized by subdued rolling mountain tops and generally gentle slopes interrupted by the steep walled, north-south Similkameen Canyon and the east-west trending Lost Horse Gulch.

Most of the area is forest covered with jack pine and fir on the dryer slopes and ridge crests, and poplar in the damp lowland flats.

Outcrop is moderate to poor and averages about 10% overall through the area. It is concentrated in local north-south trending rises separated by grassy covered slopes and damp flats.

### Claims

The claims upon which the geophysical surveys were carried out are listed in the following Table I and illustrated in Fig 3. Only the cost of that portion of the IP survey and magnetometer survey that cover ground within the Alpine Group is being claimed for assessment credit on a survey grid line percentage basis.

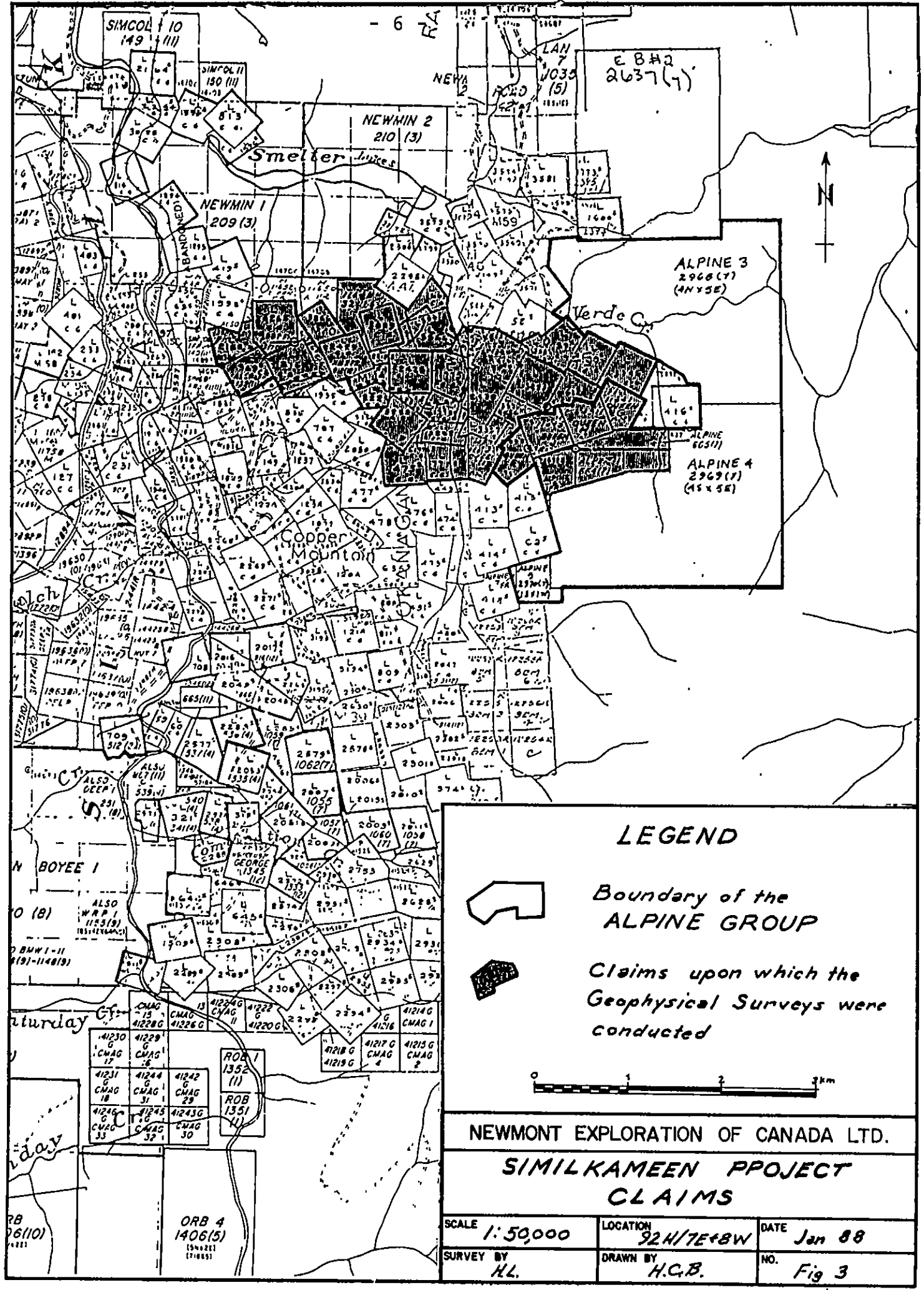
### History

Most of these claims, and certainly the core claims, were staked around the beginning of the century and have seen periodic exploration since then. No production has taken place from the property. All the ground is presently held by Newmont Mines Limited. About half the claims in the Lost Horse Gulch area and a handful of those over the Voigt Stock were purchased from Granby Mining along with the Copper Mountain Mine in 1967. Most of the remaining claims were acquired from Nufort Resources Inc. in 1979. Some ground around the edges was staked since



TABLE I  
CLAIMS AND WORK SUMMARY

CLAIM	LINE CUTTING	I.P.	MAG	ALPINE GROUP
No. 15	x		x	
Brian "H" Fr	x		x	
Oronoco	x		x	
Sunlight	x		x	
Diamdon Dot	x		x	
Dot Fr	x		x	
Queen A Fr	x		x	
Adelaid Fr	x		x	
Daisy	x		x	
St. Elmo	x		x	
Queen Bee Fr	x		x	
Alabama	x		x	
Lone Star	x		x	
June Bug	x		x	
Margaret	x		x	
Great Western	x		x	
No. 5	x		x	
No. 32	x		x	
Virginia	x	x	x	
No. 18 Fr	x	x	x	
No. 18	x	x	x	
L1776	x		x	
Frieda	x		x	
No. 31	x	x	x	
Automatic Fr	x	x	x	
Nelson Fr	x	x	x	
Olympia	x	x	x	
New Wolf Fr	x	x	x	
Robert Byrant	x	x	x	
No. 1	x	x	x	
Frisco	x	x	x	
RS	x	x	x	
Queen "D" Fr	x	x	x	
L3348	x	x	x	
No. 14	x	x	x	
No. 33	x	x	x	
Queen "E" Fr	x	x	x	x
No. 51 Fr	x		x	
No. 71 Fr	x		x	
L59	x	x		
L60	x	x	x	
No. 69	x	x	x	
Queen "J" Fr	x	x	x	x
Queen "H" Fr	x	x	x	x
Alpine Fr	x	x	x	x
Alpine No. 1	x	x	x	x
L3346	x	x	x	
Queen "G" Fr	x	x	x	x
Alpine 3				x
Alpine 4				x
Alpine 5				x
Alpine 6 Fr				x
Alpine 7 Fr				x



### LEGEND



Boundary of the  
ALPINE GROUP



Claims upon which the  
Geophysical Surveys were  
conducted



NEWMONT EXPLORATION OF CANADA LTD.

## SIMILKAMEEN PPROJECT CLAIMS

SCALE 1:50,000	LOCATION 92H/7E+8W	DATE Jan 88
SURVEY BY HL.	DRAWN BY H.C.B.	NO. Fig 3

1979. The greater portion of the Alpine group, three claims of 41 units and two fractional claims, were staked in July and September of 1987.

Principal periods of exploration activity have been:

- 1912-13 - excavation of the Automatic Adit and No. 14 Shaft
  - surface and underground diamond drilling
  - trenching and surface mapping
  
- 1919 - underground sampling and surface diamond drilling by Consolidated Mining and Smelting Co.
  
- 1927 - surface diamond drilling by C.M.&S.
  
- 1952 - underground diamond drilling in the Automatic Adit by Granby Mining.
  
- 1965-1973 - geophysical surveys, mapping, trenching and chip sampling surface diamond drilling by Granby Mining, Newmont Mining, Cumont Mines and Nufort Resources.

#### Work Summary

The geophysical exploration program extended from late May to September under the direction H. Limion. The field crew consisted of 4 line-cutters and 4 to 6 geophysical operators. Survey control for the work was provided by a chain and compass grid with an east-west base line and north-south cross lines from an origin point at the shaft on the No. 14 Zone at the east end of the Voigt deposits. Note that all measurements on this project are in Imperial units (feet) rather than metric because the voluminous amount of older work (all done in Imperial units) has required all work done on this property retain the same system. Particulars of work done are summarized as follows:

Linecutting - 246,200' (75,040m) of grid line; some cut out for IP, the remainder just chained and flagged for the magnetometer survey. Some done by Newmont employees, some contracted to Amex Exploration.

Geophysics - The entire 246,200' (75,040m) of grid was covered by magnetometer producing 7913 readings. The IP survey covered 92,300' (28,133m) producing 3380 readings.

### GEOLOGY

The geology of the area can be summarized from the B.C. Dept. of Mines and Petroleum Resources Bulletin 59, Geology of Copper Mountain by V.A. Preto, 1972. The work completed this year encompasses an east-west belt from the western end of Lost Horse Gulch to the eastern side of the Voigt Stock. The area is underlain on its southern margin by andesite flows and breccias of the Upper Triassic Wolf Creek Formation. To the northeast, these volcanics are intruded by the Upper Triassic Voigt Stock, of dioritic composition. To the northwest, the volcanics are intruded by the highly altered and compositionally variable Lost Horse Intrusive Complex. It is considered to be mostly monzonitic with syenitic and dioritic phases, due in part to hydrothermal metasomatism.

Cutting through all these units are post-mineral north-south felsite Mine dykes (a locally applied term) and less numerous grey andesitic dykes. Unconformably overlying these units to the north of Lost Horse Gulch and northwest of the Voigt Stock are vary-coloured andesite and basalt flows, breccias and tuffs of the lower volcanic formation of the middle Eocene Princeton Group. The andesite dykes are thought to be related to these Princeton Group volcanics.



The mineralization of the Voigt Zone consists of an east-west trending steeply dipping shear structure. This zone varies from a few feet to 100ft in width and extends for about 2600ft. It is characterized by specular hematite, magnetite, pyrite, pyrrhotite and chalcopyrite with a calcite gangue occurring as anastomosing veins and breccia lenses. The veining and brecciation are accompanied by alteration envelopes of pink K-feldspar along with pervasive calcite and epidote alteration.

Other mineralization known on the property is limited to similar but much smaller vein systems.

#### GEOPHYSICS

Magnetic and induced polarization surveys were conducted on the property. The magnetic survey was designed to help in the geological mapping of the grid area. The induced polarization survey was to trace the sulphides associated with the Voigt Zone, to find new locations of disseminated sulphide mineralization, and to also aid in geological mapping.

The magnetic survey shows a varied distribution of near surface magnetic material. The variation in readings between successive stations is so great, that it is not possible to identify or trace many unique geological features. One particular feature, a magnetic low, is the only item that is readily identifiable.

The induced polarization survey does not suffer from the same lack of line to line coherence as the magnetic survey. An IP chargeability anomaly is traceable for the extent of the Voigt zone, and other IP anomalies line up parallel to that zone.

Geophysical Coverage

Magnetics - Mag Survey Readings, Maps 1 & 2  
Mag Survey Contours, Maps 3 & 4  
Mag Survey Profiles, Map 5

Mag data were collected in June, July and August with the EDA OMNI IV proton precession magnetometer. Coverage extended from 3200E to 2400W, with readings at 25' spacings. All data were corrected for diurnal variation with a second OMNI IV magnetometer, acting as a base station, and monitoring the magnetic field every 30 seconds.

Later, in August and September, readings were extended west to line 102W. These readings were made with the Scintrex MP-2 proton precession magnetometer, and corrected to baseline readings established along line 1500N. These readings were mainly at 50' station spacings.

In all, 7913 magnetic readings are recorded, covering 246,200 feet of grid line.

Induced Polarization - IP Sections; Appendix I  
IP Chargeability Contours; Map 7  
IP Resistivity Contours; Map 8

Induced Polarization (IP) surveys were conducted in June, and in July-August. The surveys were done in dipole-dipole array, with an electrode spacing of 100' and an n spacing of n=1 to 4. On a few lines, n spacings of 1 to 3 have been used.

IP coverage extends over 92,300' of grid line, with 3380 individual readings of resistivity and chargeability. Coverage is listed in Appendix I.

IP work was done with a Crone battery powered IP transmitter, and a Crone IP receiver. Chargeability readings are shown in milliseconds, to the Newmont IP standard.

IP "anomalies" are picked on the profiles, and plotted on the "Geophysics Compilation" maps.

### Geophysical Results - Geophysics Compilation Map 9 & 10

#### Magnetics

The plotted magnetic data do not show any traceable patterns or signatures. Perhaps the near surface distribution of magnetic material (magnetite mainly) is so varied, that data are not sampled adequately even at 25' readings. Or, perhaps, the N20E felsite dykes are so numerous, that they disrupt any E-W geologic continuity.

The "upward continued mag" (Map 6) map shows a few highs and lows that do extend over a longer distance. A mag high extends NNW through 6900W/1000N. A magnetic high covers the region around 4100W/400N. Mag highs are found near 2000W/1200S and 600W/1800S.

A definite mag low exists at 1300E/900S.

#### Induced Polarization

The plotted IP anomalies indicate an E-W trend that plots close to the Voigt zone, from 00/00 to 2000W/100S. IP anomalies are found to continue 400' east and west of the zone.

North of the Voigt zone, a long IP trend goes from 1400W/600N to 1400E/600N. South of the baseline, IP anomalies or anomaly trends are again evident. A number of these are listed below:



- from 200E/500S to 2000E/200N
- from 400E/1000S to 3200E/200S
- from 2400W/1000S to 1200W/700S
- from 1800W/1500S to 400W/1000S
- from 1200W/1900S to 3200E/1100S
- from 400W/2800S to 00/2600S
- from 2000W/2300S to 800E/2800S

In addition to these, several shorter strike IP anomalies are also found throughout the survey area.

The resistivity patterns sometimes reflect geology. In this case, the resistivity appears to vary with topography: -the higher, drier areas are more resistive than lower, damper regions.

#### CONCLUSIONS

Magnetic data do not indicate any congruous trends or patterns. Upward continuation of mag data to decrease near-surface effects helps to establish a few higher and lower zones. A method to remove the disruptive effects of the felsite dykes is being sought.

A general IP chargeability high follows the Voigt zone, and is traceable 400' east and west. Other chargeability highs are evident, and do line up from line to line. Most of the southern, longer strike anomalies appear to have an east northeasterly strike but no evidence on the ground has been found to explain their occurrence. The trend from 2000W/2300S to 800E/2800S is slightly south of due east and lies over the

approximate location of the presumed location of the southern contact of the Voigt Stock with the Wolf Creek volcanics. This anomaly may be reflecting this contact, and possibly sulphides associated with it.

RECOMMENDATIONS

IP chargeability highs are recommended for trenching and/or drilling, since these should indicate areas of higher metallic mineralization.

Vancouver, B.C.



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H. Limion, P.Eng.

REFERENCES

- Dolmage, V., 1934: Geology and Ore Deposits of Copper Mountain, British Columbia, G.S.C. Memoir 171.
- Fahrni, K.C., Macauley, T.N., Preto, V.A., 1976: Copper Mountain and Ingerbelle, CIM Special Volume No. 15, Porphyry Deposits of the Canadian Cordillera.
- Preto, V.A., 1972: Geology of Copper Mountain, British Columbia Department of Mines and Petroleum Resources Bulletin 59.

COST STATEMENT

WAGE SCHEDULE

Name	Position	From	Work Date To	Man Days	Rate per Day	Total Wages
H. Limion	Geophysist	June 1	Nov 20	15	220.55	\$ 3,308.25
P. Dunn	Geophysist	June 1	July 20	25	98.28	2,457.00
M. Covey	Geophys Asst.	June 1	June 7	5	81.25	406.25
R. Covey	"	June 1	Aug 5	36	87.30	3,142.80
S. Gilham	"	June 1	Aug 10	41	61.67	2,528.47
D. Lindsay	"	June 1	Aug 10	41	59.40	2,435.40
N. Singh	"	July 5	Sept 7	33	74.60	2,461.80
D. Botersby	Field Asst.	June 5	Aug 20	25	84.50	2,112.50
J. Brown	"	May 25	Oct 30	29	84.50	2,450.50
J. Bishop	"	July 1	Oct 30	11	84.50	929.50
C. Clarke	"	May 22	Aug 26	58	84.50	4,901.00
D. Clarke	"	July 1	Aug 21	15	84.50	1,267.50
K. Huey	"	May 25	June 3	7	84.50	591.50
J. Inkster	"	July 7	July 15	7	84.50	591.50
TOTAL MAN DAYS				348		\$29,583.97

ACCOMMODATION

	<u>Man Days</u>	<u>Average Rate</u>	<u>Total Cost</u>
June 1 - Aug 10	175	\$27.37	\$ 4,789

FOOD

3,794

EQUIPMENT RENTALS

Vehicle Rentals

Ford Econoline Van		
Chevrolet S10 Pickup		1,597.00
Chrysler Sedan		
For Bronco		

Geophysical Equipment

Proton Magnetometer		
E.D.A. Mags		
Crome I.P.	45 days	5,053.00
H.P. 85 Microcomputer		
Motorola Walkie Talkies		
Elliott 4.5K Transmitter		

Other Equipment

134.00 6,784

LINE CUTTING

(Grid Preparation) Contract 13,841

<u>FIELD SUPPLIES</u>	422
<u>VEHICLE OPERATING &amp; MAINTENANCE</u>	535
<u>FREIGHT</u>	475
<u>AIR FARES</u>	2,822
<u>MISCELLANEOUS</u>	480
	<hr/>
TOTAL EXPENSES	\$63,526

Portion applied to the ALPINE GROUP on a line-kilometer percentage basis \$15,164

H. LIMION

STATEMENT OF QUALIFICATIONS

I, Heikki Limion, received my B.A.Sc degree in Engineering Science (Geophysics Option) from the University of Toronto in 1965.

I spent two summers in geophysical field work; one with Hudson's Bay Oil and Gas, and one with INCo exploration.

In 1965-66 I worked for one year with Hudson's Bay Oil & Gas as a Junior Geophysicist in seismic field work.

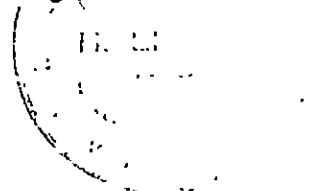
From 1967-1976 I worked with INCo Exploration, on ground and airborne geophysical surveys. I was in charge of airborne geophysical operations for four years, and worked on research and development of airborne geophysical systems. I conducted ground geophysical surveys in Canada, U.S.A., and Brazil.

In 1977 and 1978 I was the head of the geophysics sections in the Kenya Department of Mines and Geology. During this time, I was under contract to CIDA (the Canadian International Development Agency).

Since the beginning of 1979, I have held the position of Chief Geophysicist of Newmont Exploration of Canada Limited.

I am a member of the Society of Exploration Geophysicists, the Association of Professional Engineers of Ontario, and the Prospectors and Developers Association.

*Heikki Limion*  
*Heikki Limion*



APPENDIX I

I. P. SECTIONS

I.P. Sections

Similkameen Project - Voigt Zone

Dipole-Dipole Survey; a = 100'; n = 1, 2, 3, (4)

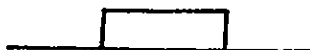
<u>Line</u>	<u>Stations</u>	<u>Coverage</u> <u>Feet</u>	<u>Line</u>	<u>Stations</u>	<u>Coverage</u> <u>Feet</u>
40W	1700N-0N	1700	0	1400N-2900S	4300
36W	2400N-100S	2500	2E	1000N-1600S	2600
32W	200N-300S	500	4E	1300N-2700S	4000
28W	500S-1300S	800	6E	1000N-1500S	2500
24W	1200N-3000S	4200	8E	1400N-3000S	4400
22W	1000N-1500S	2500	10E	1000N-1500S	2500
20W	1300N-3200S	4500	12E	1400N-2700S	4100
18W	1500N-1600S	3100	14E	1000N-1100S	2100
16W	1200N-3100S	4300	16E	1200N-3000S	4200
14W	1000N-1400S	2400	18E	1000N-1500S	2500
12W	1200N-3000S	4200	20E	1100N-2800S	3900
10W	1000N-1500S	2500	24E	1200N-1500S	2700
8W	1000N-2900S	3900	28E	1400N-1500S	2900
6W	1100N-1600S	2700	32E	1200N-1500S	2700
4W	1500N-3100S	4600			
2W	1000N-1500S	2500			

Total Coverage 92,300'

Legend



definite IP anomaly



possible IP anomaly



chargeability contours at 10, 20, 30, 40, 50, 60, 70, 80 msec



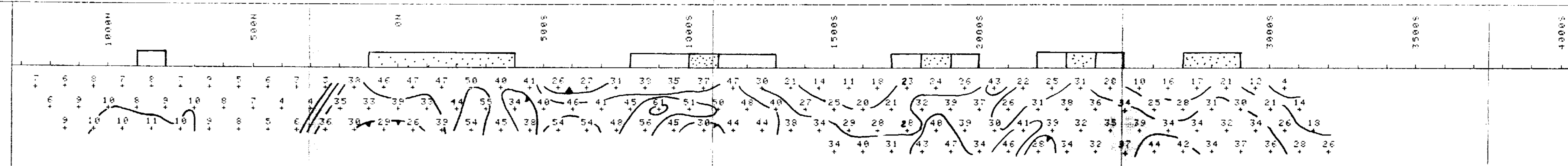
resistivity contours at 100, 200, 500, 1K, 2K ohm-metres



SIMILKAMEEN  
 VOIGT  
 OPERATOR P. M. DUNN  
 03 JUN 87  
 DIPOLE SPREAD- 100  
 LINE 2000W

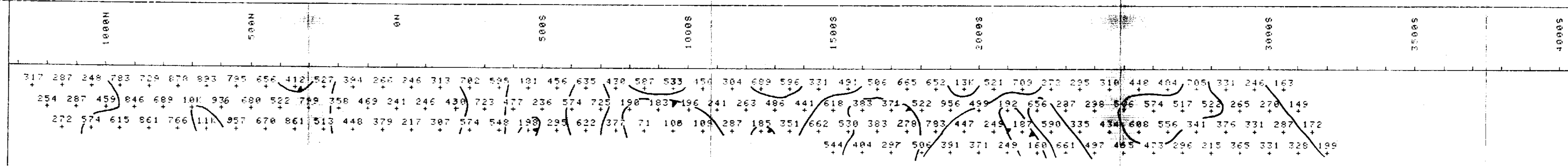
STATION	RHO	CHRG	MVOLTS	RESISTIVITY
1250	N 317	185	450	1250
1200	N 254	21	450	2000
1150	N 272	21	500	1350
1100	N 287	20	550	2000
1050	N 267	5	550	2000
1000	N 574	16	600	2000
950	N 248	16	650	2000
900	N 453	10	700	2000
850	N 515	10	750	2000
800	N 703	10	800	2000
750	N 246	11	850	2000
700	N 861	11	900	2000
650	N 739	11	950	2000
600	N 688	11	1000	2000
550	N 766	10	1050	2000
500	N 878	10	1100	2000
450	N 1036	10	1150	2000
400	N 1104	10	1200	2000
350	N 893	10	1250	2000
300	N 936	10	1300	2000
250	N 705	10	1350	2000
200	N 880	10	1400	2000
150	N 705	10	1450	2000
100	N 880	10	1500	2000
50	N 410	10	1550	2000
0	N 913	10	1600	2000
0	N 507	10	1650	2000
0	N 358	10	1700	2000
0	N 448	10	1750	2000
0	N 394	10	1800	2000
0	N 469	10	1850	2000
0	N 379	10	1900	2000
0	N 266	10	1950	2000
0	N 41	10	2000	2000
0	N 117	10	2050	2000
0	N 246	10	2100	2000
0	N 446	10	2150	2000
0	N 313	10	2200	2000
0	N 430	10	2250	2000
0	N 574	10	2300	2000
0	N 703	10	2350	2000
0	N 574	10	2400	2000
0	N 71	10	2450	2000

NEWMONT  
 Exploration  
 SIMILKAMEEN  
 VOIGT  
 CHARGEABILITY  
 P. M. DUNN 03 JUN 87



LINE 2000W  
 DIPOLE-DIPOLE  
 N = 1  
 N = 2  
 N = 3  
 SPREAD 100  
 0 100 200 300 400 ft

NEWMONT  
 Exploration  
 SIMILKAMEEN  
 VOIGT  
 RESISTIVITY  
 P. M. DUNN 03 JUN 87



LINE 2000W  
 DIPOLE-DIPOLE  
 N = 1  
 N = 2  
 N = 3  
 SPREAD 100  
 0 100 200 300 400 ft

GEOLOGICAL BRANCH  
 ASSESSMENT REPORT

17,462

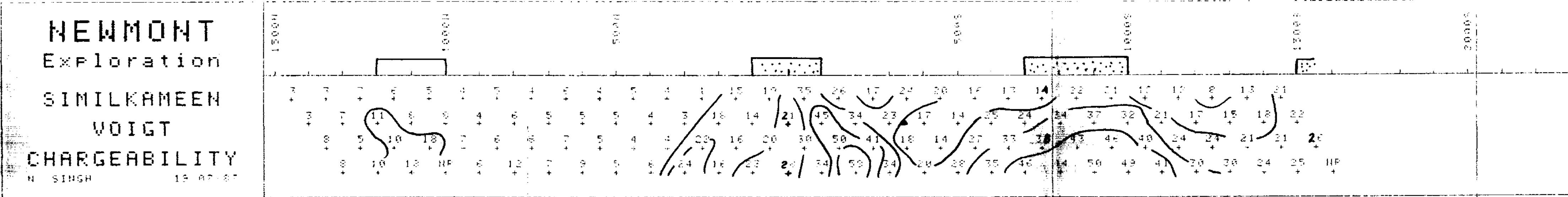




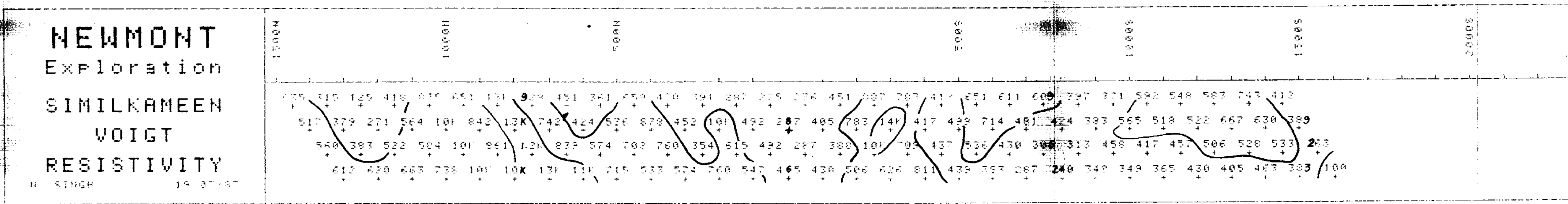
SIMILKAMEEN  
CHARGEABILITY  
DIPOLE SPREAD 100  
LINE 1800W

STATION	RESISTIVITY	CHARGEABILITY	RESISTIVITY	CHARGEABILITY
1450	1450	1450	1450	1450
1400	1400	1400	1400	1400
1350	1350	1350	1350	1350
1300	1300	1300	1300	1300
1250	1250	1250	1250	1250
1200	1200	1200	1200	1200
1150	1150	1150	1150	1150
1100	1100	1100	1100	1100
1050	1050	1050	1050	1050
1000	1000	1000	1000	1000
950	950	950	950	950
900	900	900	900	900
850	850	850	850	850
800	800	800	800	800
750	750	750	750	750
700	700	700	700	700
650	650	650	650	650
600	600	600	600	600
550	550	550	550	550
500	500	500	500	500
450	450	450	450	450
400	400	400	400	400
350	350	350	350	350
300	300	300	300	300
250	250	250	250	250
200	200	200	200	200
150	150	150	150	150
100	100	100	100	100

STATION	RESISTIVITY	CHARGEABILITY	RESISTIVITY	CHARGEABILITY
1450	1450	1450	1450	1450
1400	1400	1400	1400	1400
1350	1350	1350	1350	1350
1300	1300	1300	1300	1300
1250	1250	1250	1250	1250
1200	1200	1200	1200	1200
1150	1150	1150	1150	1150
1100	1100	1100	1100	1100
1050	1050	1050	1050	1050
1000	1000	1000	1000	1000
950	950	950	950	950
900	900	900	900	900
850	850	850	850	850
800	800	800	800	800
750	750	750	750	750
700	700	700	700	700
650	650	650	650	650
600	600	600	600	600
550	550	550	550	550
500	500	500	500	500
450	450	450	450	450
400	400	400	400	400
350	350	350	350	350
300	300	300	300	300
250	250	250	250	250
200	200	200	200	200
150	150	150	150	150
100	100	100	100	100



LINE 1800W  
DIPOLE-DIPOLE  
N = 1  
N = 2  
N = 3  
SPREAD 100  
400



LINE 1800W  
DIPOLE-DIPOLE  
N = 1  
N = 2  
N = 3  
SPREAD 100  
400

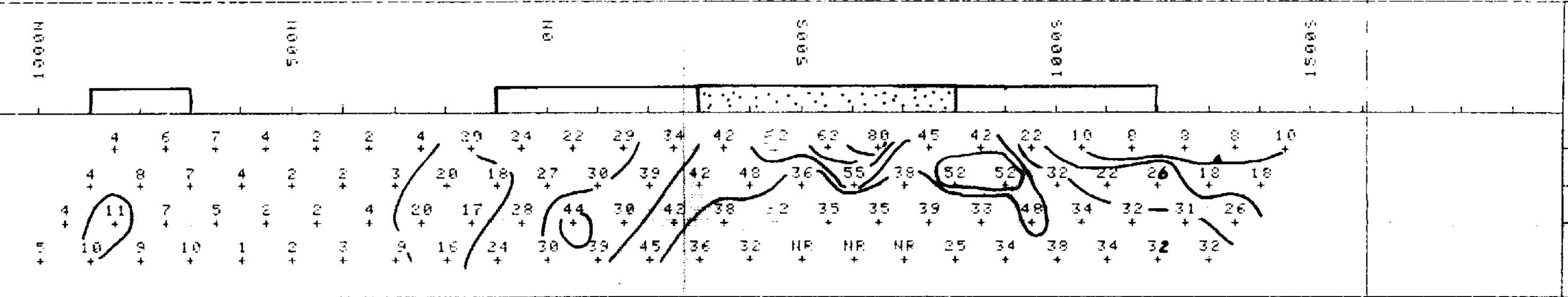
GEOLOGICAL BRANCH  
ASSESSMENT REPORT  
**17,462**

RESULTS DIPOLE-DIPOLE IF SURVEY

SIMILKAMEEN  
VOIGT  
OPERATOR RO: NS  
28 JUL 87  
DIPOLE SPREAD: 100  
LINE 2200W

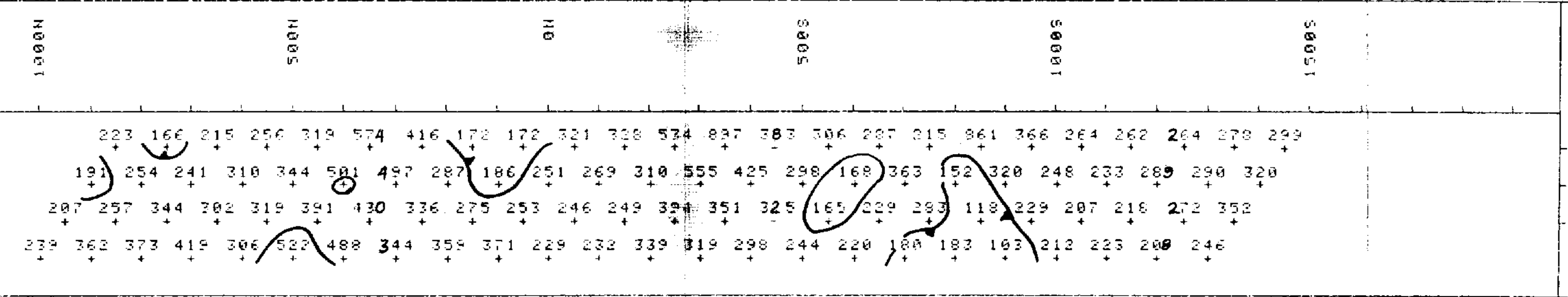
RT	RHO	CHARG	NOVOLTS						
1450	299	10	73	250	0	5	34	105	
1400	320	10	19.5	200	0	0	30	227	
1350	352	0	0	150	0	0	30	41	
1300	246	0	0	100	0	0	30	82	
1250	276	0	0	150	0	0	29	120	
1200	230	10	24	100	0	0	30	240	
1150	272	0	0	50	0	0	44	44	
1100	288	0	0	50	0	0	30	44	
1050	264	0	0	50	0	0	20	105	
1000	289	0	0	50	0	0	20	105	
950	210	0	0	50	0	0	20	105	
900	233	0	0	50	0	0	20	105	
850	233	0	0	50	0	0	20	105	
800	233	0	0	50	0	0	20	105	
750	207	0	0	50	0	0	20	105	
700	212	0	0	50	0	0	20	105	
650	264	0	0	50	0	0	20	105	
600	248	0	0	50	0	0	20	105	
550	239	0	0	50	0	0	20	105	
500	103	0	0	50	0	0	20	105	
450	355	0	0	50	0	0	20	105	
400	320	0	0	50	0	0	20	105	
350	110	0	0	50	0	0	20	105	
300	103	0	0	50	0	0	20	105	
250	861	0	0	50	0	0	20	105	
200	150	0	0	50	0	0	20	105	
150	283	0	0	50	0	0	20	105	
100	100	0	0	50	0	0	20	105	
50	215	0	0	50	0	0	20	105	
0	215	0	0	50	0	0	20	105	

**NEWMONT**  
Exploration  
**SIMILKAMEEN**  
VOIGT  
**CHARGEABILITY**  
PC/NS 28 JUL 87



**LINE 2200W**  
**DIPOLE-DIPOLE**  
N = 1  
N = 2  
N = 3  
SPREAD 100  
MSEC 0 ft 400 ft

**NEWMONT**  
Exploration  
**SIMILKAMEEN**  
VOIGT  
**RESISTIVITY**  
PC/NS 28 JUL 87



**LINE 2200W**  
**DIPOLE-DIPOLE**  
N = 1  
N = 2  
N = 3  
SPREAD 100  
MSEC 0 ft 400 ft

**GEOLOGICAL BRANCH**  
**ASSESSMENT REPORT**

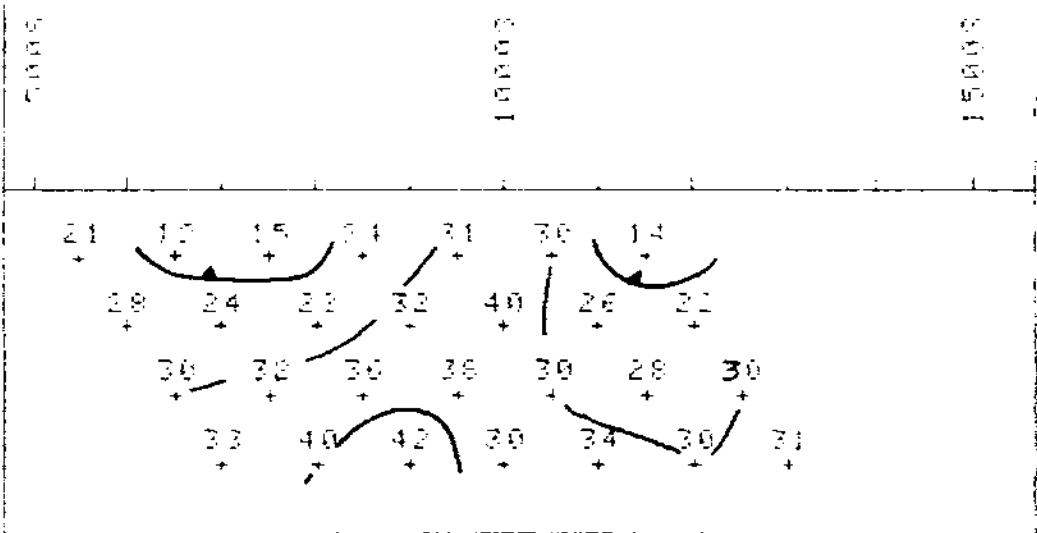
**17,462**



SIMILKAMEEN  
 10157  
 OPERATOR F. L.  
 JULY 87  
 DIPOLE SPREAD 100  
 LINE 2800W

BT	RHO	CHRG	MOULTS
550	100	100	45
600	100	100	12
650	100	100	12
700	100	100	4
750	100	100	40
800	100	100	40
850	100	100	15
900	100	100	10
950	100	100	10
1000	100	100	4
1050	100	100	4
1100	100	100	4
1150	100	100	4
1200	100	100	4
1250	100	100	4
1300	100	100	4

**NEWMONT**  
 Exploration  
 SIMILKAMEEN  
 VOIGT  
 CHARGEABILITY  
 F. L. JULY 87



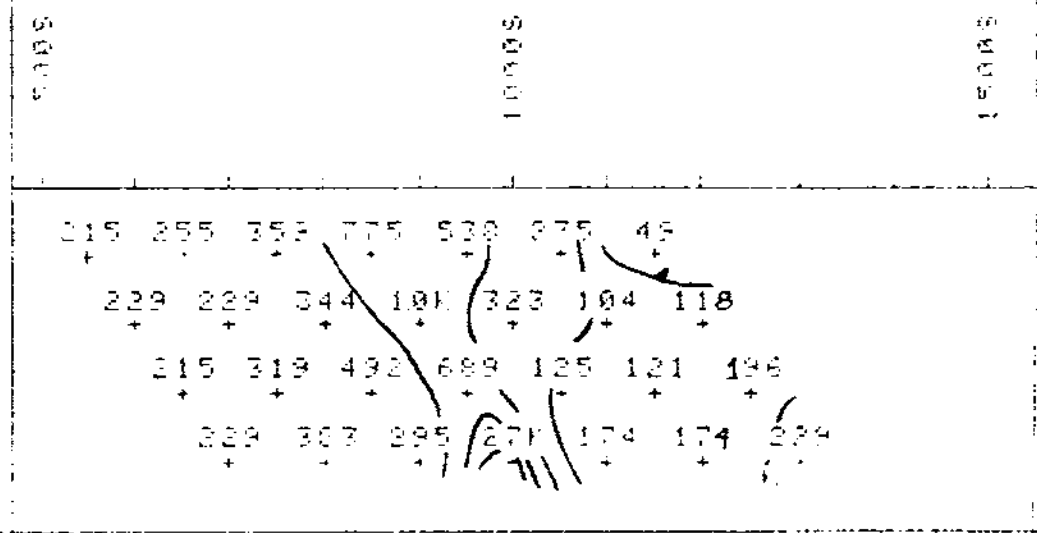
LINE 2800W  
 DIPOLE-DIPOLE

N = 1  
 N = 2  
 N = 3  
 SPREAD 100  
 0ft 400ft

**GEOLOGICAL BRANCH  
 ASSESSMENT REPORT**

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**NEWMONT**  
 Exploration  
 SIMILKAMEEN  
 VOIGT  
 RESISTIVITY  
 F. L. JULY 87

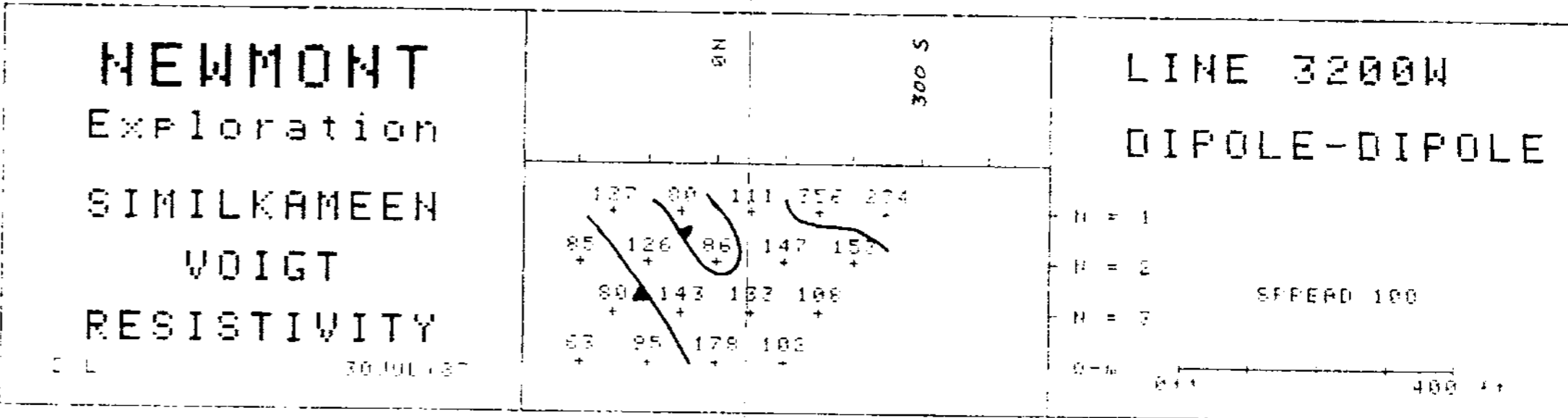
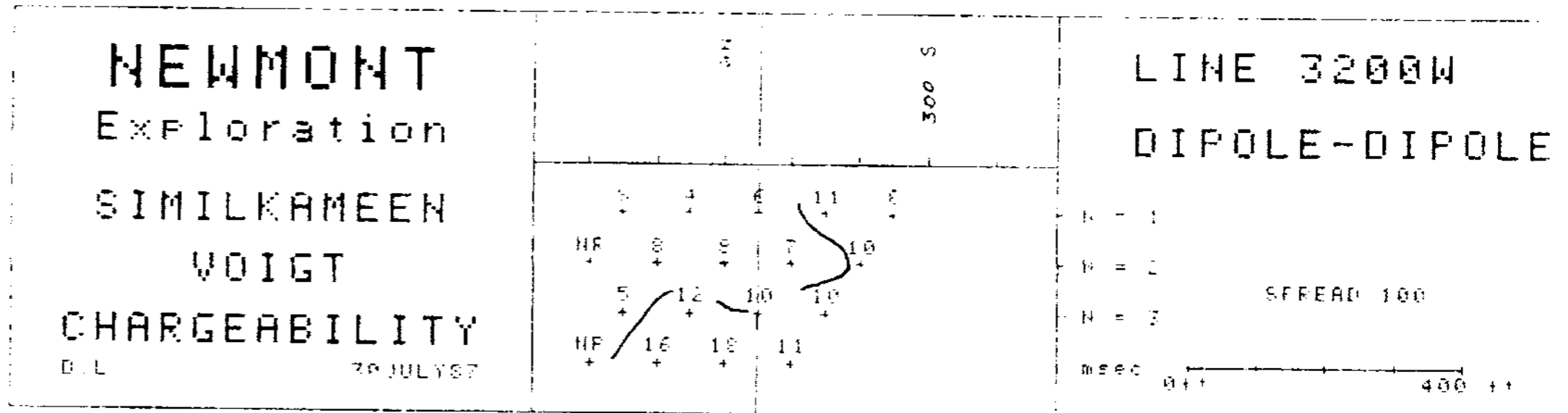


LINE 2800W  
 DIPOLE-DIPOLE

N = 1  
 N = 2  
 N = 3  
 SPREAD 100  
 0ft 400ft

SIMILKAMEEN  
 2010  
 OPERATOR D. L.  
 20 JULY 67  
 DIPOLE SPREAD 100  
 LINE 3200W

RT	RHO	CHARG	VOLTS
250	S	234	110
200	S	157	110
150	S	188	5.1
100	S	102	4
150	S	396	180
100	S	147	10
50	S	133	10.5
5	N	179	4.05
50	S	111	70
5	N	85	10
50	N	143	9
100	N	95	3
50	N	88	40
100	N	126	16.5
150	N	88	4.05
200	N	87	1.05
150	N	127	50
200	N	85	10



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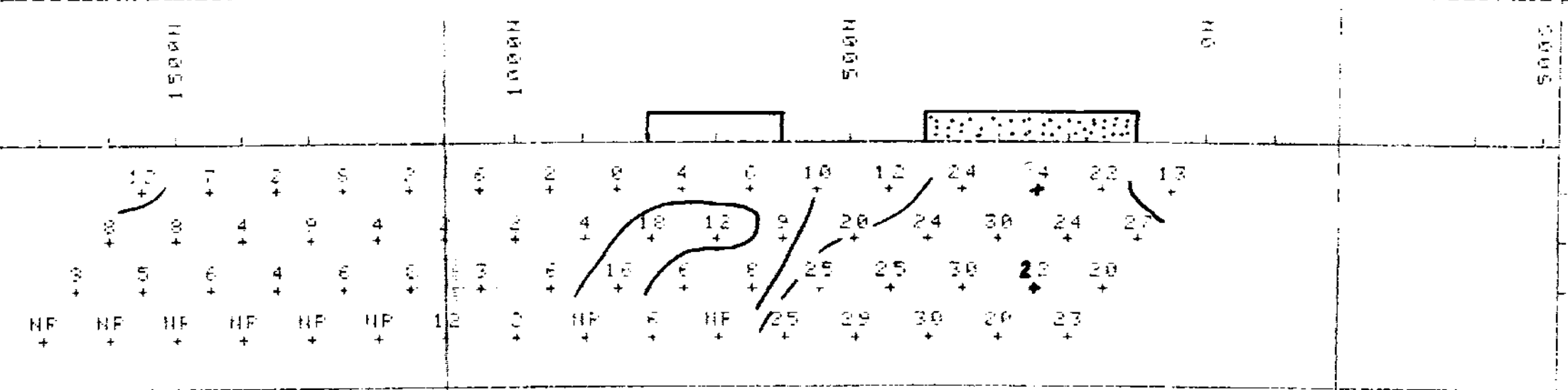


RESULTS DIPOLE-DIPOLE 1F SURVEY

SIMILKAMEEN  
VOIGT  
OPERATOR NS  
29 JUL 67  
DIPOLE SPREAD 100  
LINE 4000W

RT	PHO	CHRG	NO. OF
850	N	307	1500
100	N	178	350
150	N	151	1000
200	N	114	350
150	N	244	1000
200	N	248	1000
250	N	156	1100
300	N	241	1050
350	N	178	1050
400	N	151	1000
450	N	244	1000
500	N	248	1000
550	N	156	1000
600	N	241	1000
650	N	178	1000
700	N	151	1000
750	N	244	1000
800	N	248	1000
850	N	156	1000
900	N	241	1000
950	N	178	1000

NEWMONT  
Exploration  
SIMILKAMEEN  
VOIGT  
CHARGEABILITY  
NS 29 JUL 67

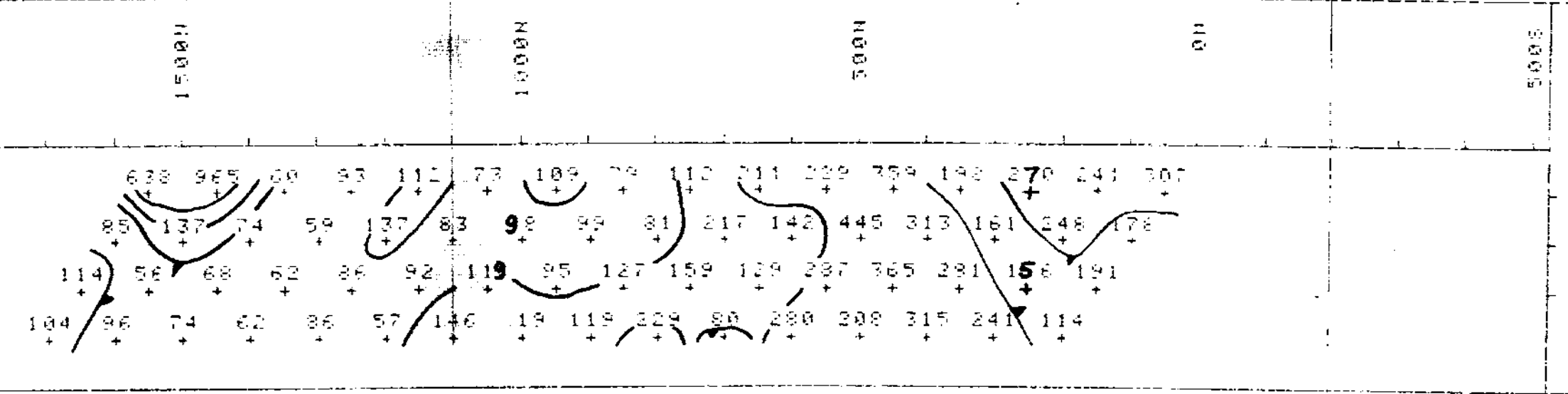


LINE 4000W  
DIPOLE-DIPOLE  
N = 1  
N = 2  
N = 3  
SPREAD 100  
0 100 200 300 400

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

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NEWMONT  
Exploration  
SIMILKAMEEN  
VOIGT  
RESISTIVITY  
NS 29 JUL 67



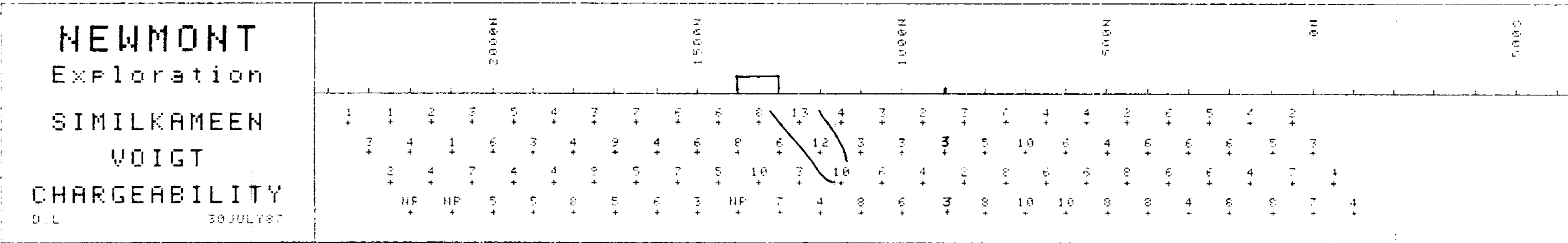
LINE 4000W  
DIPOLE-DIPOLE  
N = 1  
N = 2  
N = 3  
SPREAD 100  
0 100 200 300 400

SIMILKAMEEN  
 VOIGT  
 OPERATOR D.L  
 20 JUL 1987  
 DIPOLE SPREAD 100  
 LINE 3600W

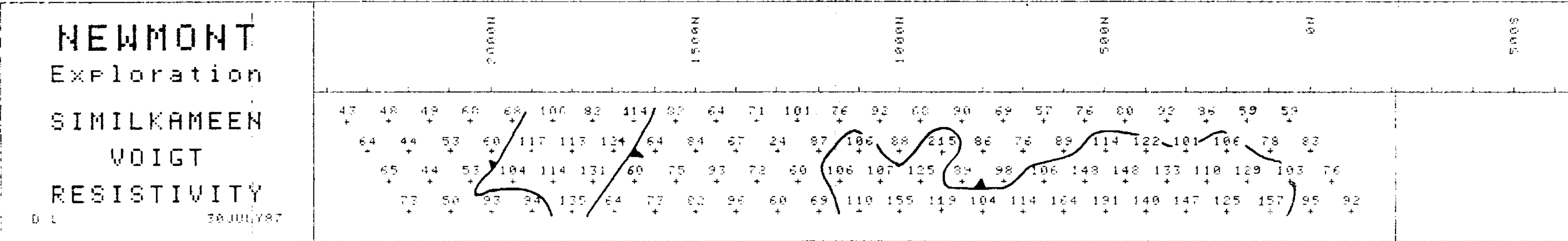
N	AT	RHO	CHRG	MVOLTS
2350	N	40		111
2300	N	40		110
2250	N	40		109
2200	N	40		108
2150	N	40		107
2100	N	40		106
2050	N	40		105
2000	N	40		104
1950	N	40		103
1900	N	40		102
1850	N	40		101
1800	N	40		100
1750	N	40		99
1700	N	40		98
1650	N	40		97
1600	N	40		96
1550	N	40		95
1500	N	40		94
1450	N	40		93
1400	N	40		92
1350	N	40		91
1300	N	40		90
1250	N	40		89
1200	N	40		88
1150	N	40		87
1100	N	40		86

N	AT	RHO	CHRG	MVOLTS
1100	N	40		85
1050	N	40		84
1000	N	40		83
950	N	40		82
900	N	40		81
850	N	40		80
800	N	40		79
750	N	40		78
700	N	40		77
650	N	40		76
600	N	40		75
550	N	40		74
500	N	40		73
450	N	40		72
400	N	40		71
350	N	40		70
300	N	40		69
250	N	40		68
200	N	40		67
150	N	40		66
100	N	40		65

N	AT	RHO	CHRG	MVOLTS
100	N	40		64
50	N	40		63
0	N	40		62
-50	N	40		61
-100	N	40		60
-150	N	40		59
-200	N	40		58
-250	N	40		57
-300	N	40		56
-350	N	40		55
-400	N	40		54
-450	N	40		53
-500	N	40		52
-550	N	40		51
-600	N	40		50
-650	N	40		49
-700	N	40		48
-750	N	40		47



LINE 3600W  
 DIPOLE-DIPOLE  
 N = 1  
 N = 2  
 N = 3  
 SPREAD 100  
 0+ 400 +



LINE 3600W  
 DIPOLE-DIPOLE  
 N = 1  
 N = 2  
 N = 3  
 SPREAD 100  
 0+ 400 +

GEOLOGICAL BRANCH  
 ASSESSMENT REPORT

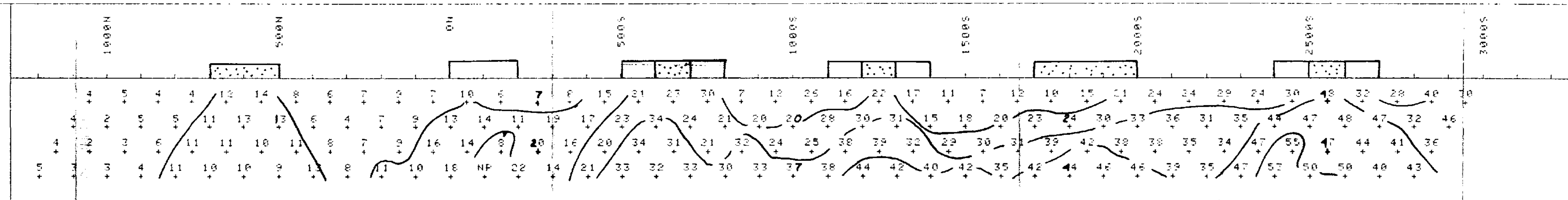
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SIMILKAMEEN  
VOIGT  
OPERATOR RC  
15 JUL 87  
DIPOLE SPREAD 100  
LINE 1200W

RT	RHO	CHARG	MVOLTS
2950	880	30	76
2950	1149	30	48
2950	933	30	195
2950	1231	30	42
2950	1450	30	46
2950	1400	30	32
2950	1450	30	41
2950	1400	30	40
2950	1350	30	20
2950	1300	30	47
2950	1200	30	44
2950	1300	30	38
2950	1250	30	30
2950	1200	30	48
2950	1150	30	47
2950	1100	30	44
2950	1050	30	43
2950	1000	30	42
2950	950	30	41
2950	900	30	40
2950	850	30	39
2950	800	30	38
2950	750	30	37
2950	700	30	36
2950	650	30	35
2950	600	30	34
2950	550	30	33
2950	500	30	32
2950	450	30	31
2950	400	30	30
2950	350	30	29
2950	300	30	28
2950	250	30	27
2950	200	30	26
2950	150	30	25
2950	100	30	24
2950	50	30	23
2950	0	30	22
2950	0	30	21
2950	0	30	20
2950	0	30	19
2950	0	30	18
2950	0	30	17
2950	0	30	16
2950	0	30	15
2950	0	30	14
2950	0	30	13
2950	0	30	12
2950	0	30	11
2950	0	30	10
2950	0	30	9
2950	0	30	8
2950	0	30	7
2950	0	30	6
2950	0	30	5
2950	0	30	4
2950	0	30	3
2950	0	30	2
2950	0	30	1
2950	0	30	0

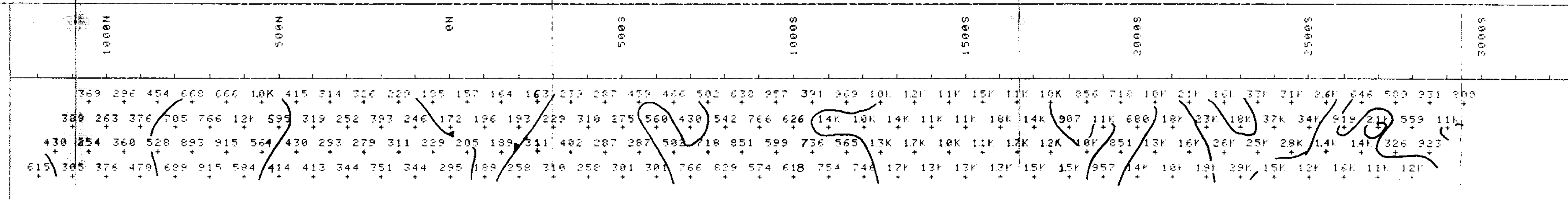
RT	RHO	CHARG	MVOLTS
1550	1182	30	76
1550	1251	30	48
1550	1321	30	195
1550	1400	30	42
1550	1450	30	46
1550	1400	30	32
1550	1450	30	41
1550	1400	30	40
1550	1350	30	20
1550	1300	30	47
1550	1200	30	44
1550	1300	30	38
1550	1250	30	30
1550	1200	30	48
1550	1150	30	47
1550	1100	30	44
1550	1050	30	43
1550	1000	30	42
1550	950	30	41
1550	900	30	40
1550	850	30	39
1550	800	30	38
1550	750	30	37
1550	700	30	36
1550	650	30	35
1550	600	30	34
1550	550	30	33
1550	500	30	32
1550	450	30	31
1550	400	30	30
1550	350	30	29
1550	300	30	28
1550	250	30	27
1550	200	30	26
1550	150	30	25
1550	100	30	24
1550	50	30	23
1550	0	30	22
1550	0	30	21
1550	0	30	20
1550	0	30	19
1550	0	30	18
1550	0	30	17
1550	0	30	16
1550	0	30	15
1550	0	30	14
1550	0	30	13
1550	0	30	12
1550	0	30	11
1550	0	30	10
1550	0	30	9
1550	0	30	8
1550	0	30	7
1550	0	30	6
1550	0	30	5
1550	0	30	4
1550	0	30	3
1550	0	30	2
1550	0	30	1
1550	0	30	0

NEWMONT  
Exploration  
SIMILKAMEEN  
VOIGT  
CHARGEABILITY  
RC 15 JUL 87



LINE 1200W  
DIPOLE-DIPOLE  
N = 1  
N = 2  
N = 3  
SPREAD 100  
msec 0ft 400 ft

NEWMONT  
Exploration  
SIMILKAMEEN  
VOIGT  
RESISTIVITY  
RC 15 JUL 87



LINE 1200W  
DIPOLE-DIPOLE  
N = 1  
N = 2  
N = 3  
SPREAD 100  
msec 0ft 400 ft

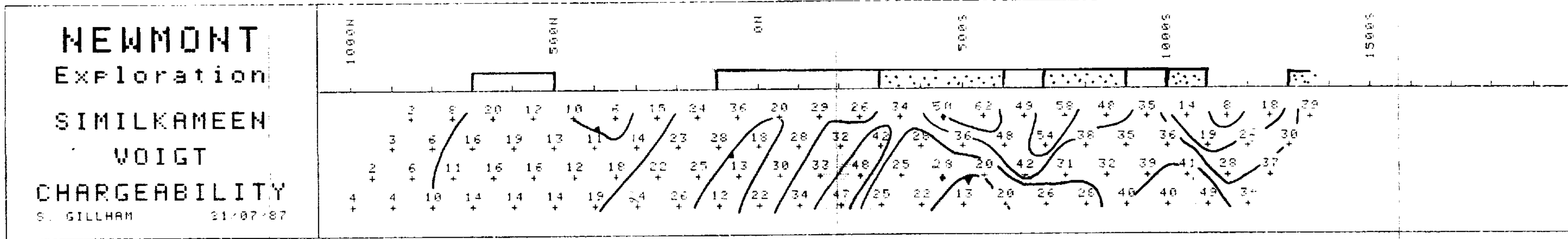
GEOLOGICAL BRANCH  
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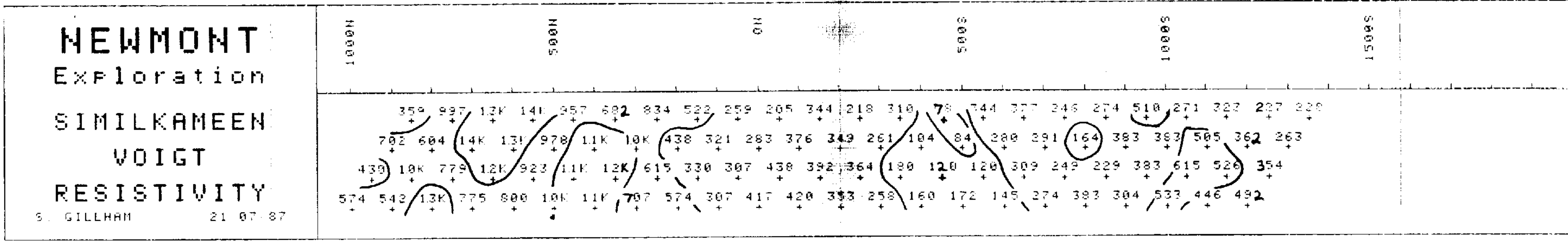


SIMILKAMEEN  
VOIGT  
OPERATOR S. GILLHAM  
21/07/87  
DIPOLE SPREAD 100  
LINE 1400W

N	AT	RHO	CHARG	MVOLTS				
1	1350	0	228	39	135	S	392	33
1	1300	0	263	38	100	S	428	34
1	1250	0	354	37	150	S	344	165
4	1200	0	492	34	100	S	376	45
1	1250	0	227	18	50	S	438	21
1	1200	0	362	28	50	S	417	18
1	1150	0	526	38	50	S	205	28
1	1100	0	445	40	50	N	293	18
1	1150	0	323	3	50	N	307	13
1	1100	0	505	19	100	N	307	12
1	1050	0	615	41	50	N	259	36
1	1000	0	533	40	100	N	321	28
1	1050	0	271	14	150	N	330	25
1	1000	0	383	37	200	N	574	24
1	950	0	383	39	150	N	530	24
1	900	0	384	43	200	N	438	165
1	950	0	510	37	250	N	615	22
1	900	0	383	37	300	N	707	24
1	850	0	229	12	250	N	834	15
1	800	0	383	18	300	N	1000	14
1	850	0	274	23	350	N	1294	18
1	800	0	154	30	400	N	1167	10
1	750	0	249	31	350	N	532	7
1	700	0	274	27	400	N	1149	11
1	750	0	246	28	450	N	1198	12
1	700	0	291	54	500	N	1000	14
1	650	0	369	42	450	N	954	10
1	600	0	145	20	500	N	978	13
1	650	0	377	40	550	N	923	16
1	600	0	286	40	600	N	800	14
1	550	0	120	19	650	N	1400	12
1	500	0	172	13	700	N	1300	10
1	550	0	344	60	650	N	1217	16
1	500	0	84	36	700	N	735	14
1	450	0	120	30	650	N	1367	20
1	400	0	160	22	700	N	1477	16
1	450	0	78	19	750	N	779	11
1	400	0	104	20	800	N	1313	10
1	350	0	180	20	750	N	997	8
1	300	0	250	20	800	N	684	6
1	350	0	310	34	850	N	1095	6
1	300	0	261	40	900	N	542	4
1	250	0	354	40	850	N	359	2
1	200	0	353	47	900	N	702	3
1	250	0	198	3	950	N	438	2
1	200	0	349	32	1000	N	574	4



LINE 1400W  
DIPOLE-DIPOLE  
N = 1  
N = 2  
N = 3  
SPREAD 100  
0ft 400 ft



LINE 1400W  
DIPOLE-DIPOLE  
N = 1  
N = 2  
N = 3  
SPREAD 100  
0ft 400 ft

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

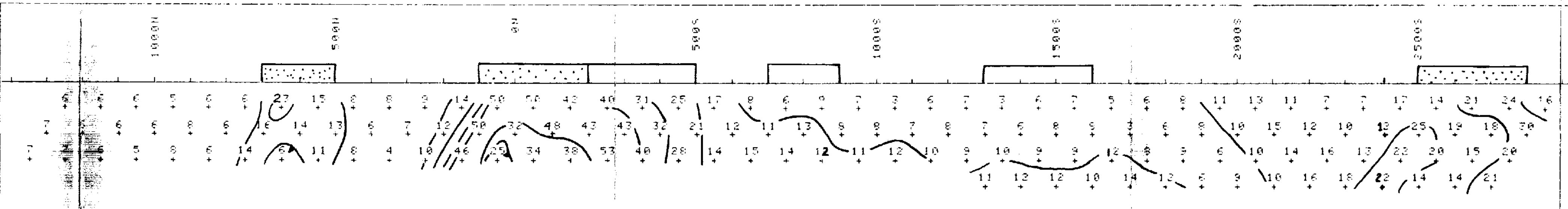
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RESULTS DIPOLE-DIPOLE IN SURVEY

SIMILKAMEEN  
 VOIGT  
 OPERATOR NS  
 13 JUL 87  
 DIPOLE SPREAD 100  
 LINE 0W

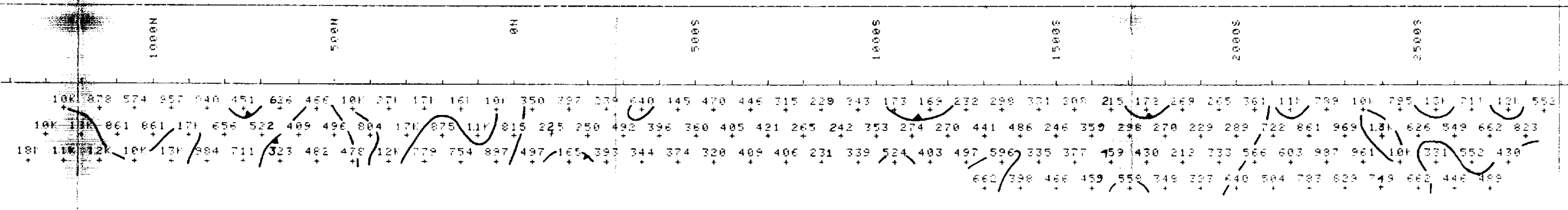
STATION	RHO	CHARG	NOULTS
10000	1500	1500	1500
9500	1500	1500	1500
9000	1500	1500	1500
8500	1500	1500	1500
8000	1500	1500	1500
7500	1500	1500	1500
7000	1500	1500	1500
6500	1500	1500	1500
6000	1500	1500	1500
5500	1500	1500	1500
5000	1500	1500	1500
4500	1500	1500	1500
4000	1500	1500	1500
3500	1500	1500	1500
3000	1500	1500	1500
2500	1500	1500	1500
2000	1500	1500	1500
1500	1500	1500	1500
1000	1500	1500	1500
500	1500	1500	1500
0	1500	1500	1500
-500	1500	1500	1500
-1000	1500	1500	1500
-1500	1500	1500	1500
-2000	1500	1500	1500
-2500	1500	1500	1500
-3000	1500	1500	1500
-3500	1500	1500	1500
-4000	1500	1500	1500
-4500	1500	1500	1500
-5000	1500	1500	1500
-5500	1500	1500	1500
-6000	1500	1500	1500
-6500	1500	1500	1500
-7000	1500	1500	1500
-7500	1500	1500	1500
-8000	1500	1500	1500
-8500	1500	1500	1500
-9000	1500	1500	1500
-9500	1500	1500	1500
-10000	1500	1500	1500

NEWMONT  
 Exploration  
 SIMILKAMEEN  
 VOIGT  
 CHARGEABILITY  
 NS 13 JUL 87



LINE 0W  
 DIPOLE-DIPOLE  
 N = 1  
 N = 2  
 N = 3  
 SPREAD 100  
 0 100 200 300 400 ft

NEWMONT  
 Exploration  
 SIMILKAMEEN  
 VOIGT  
 RESISTIVITY  
 NS 13 JUL 87



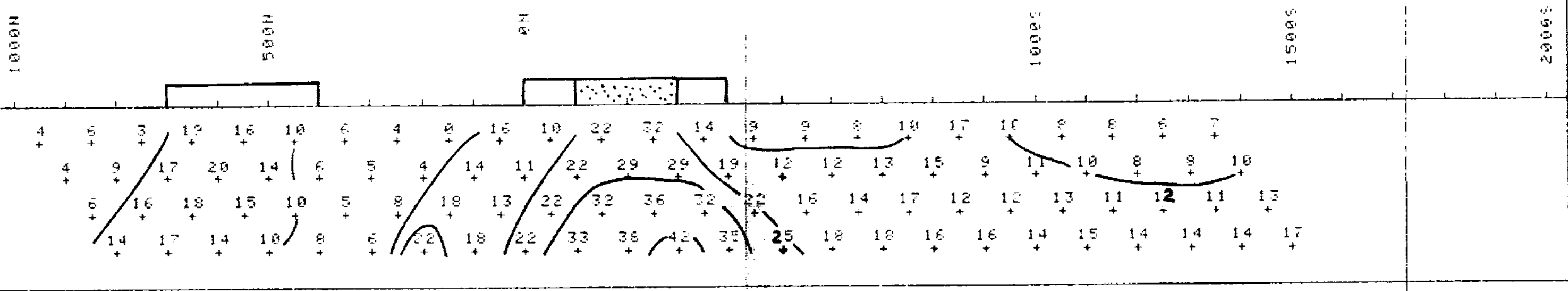
GEOLOGICAL BRANCH  
 ASSESSMENT REPORT  
**17,462**  
 LINE 0W  
 DIPOLE-DIPOLE  
 N = 1  
 N = 2  
 N = 3  
 SPREAD 100  
 0 100 200 300 400 ft

RESULTS DIPOLE-DIPOLE IP SURVEY

SIMILKAMEEN  
VOIGT  
OPERATOR N. SINGH  
23/07/87  
DIPOLE SPREAD: 100  
LINE 200W

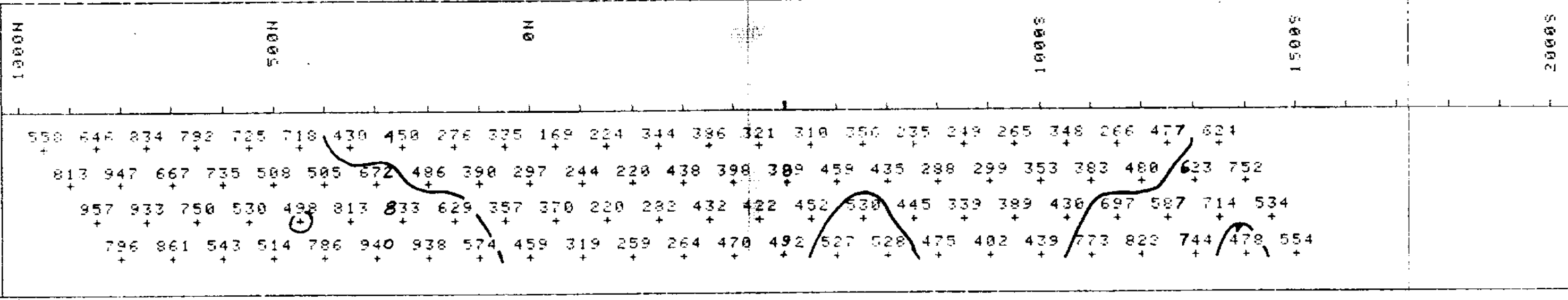
N	AT	RHO	CHARG	MVOLTS
950	N	558	4	700
900	N	813	4	255
850	N	957	6	120
800	N	798	14	52
850	N	646	6	450
800	N	347	9	165
750	N	932	16	65
700	N	861	17	36
750	N	834	3	450
700	N	667	17	90
650	N	750	18	40.5
600	N	543	14	15.6
650	N	792	19	345
600	N	735	20	86
550	N	530	15	23.1
500	N	514	16	11.2
550	N	725	16	240
500	N	500	14	42
450	N	498	16	16.5
400	N	708	9	13
450	N	718	10	150
400	N	505	6	26.4
350	N	813	5	17.4
300	N	946	6	9
350	N	430	6	90
300	N	672	9	23.4
250	N	853	8	17.4
200	N	938	22	9.5
250	N	450	4	284
200	N	486	4	55
150	N	629	10	20.5
100	N	574	18	13
150	N	276	0	255
100	N	390	14	90
50	N	357	13	33
50	N	459	23	16
50	N	335	16	315
50	S	297	11	70
50	S	378	22	34.6
100	S	319	33	15
50	S	169	10	477
100	S	244	22	65
150	S	220	32	25.4
200	S	259	30	14.7
150	S	224	22	195
200	S	220	29	46
250	S	282	36	24.6
300	S	264	42	11.5

NEWMONT  
Exploration  
SIMILKAMEEN  
VOIGT  
CHARGEABILITY  
N. SINGH 23/07/87



LINE 200W  
DIPOLE-DIPOLE  
N = 1  
N = 2  
N = 3  
SPREAD 100  
Scale: 0 to 400 ft

NEWMONT  
Exploration  
SIMILKAMEEN  
VOIGT  
RESISTIVITY  
N. SINGH 23/07/87



LINE 200W  
DIPOLE-DIPOLE  
N = 1  
N = 2  
N = 3  
SPREAD 100  
Scale: 0 to 400 ft

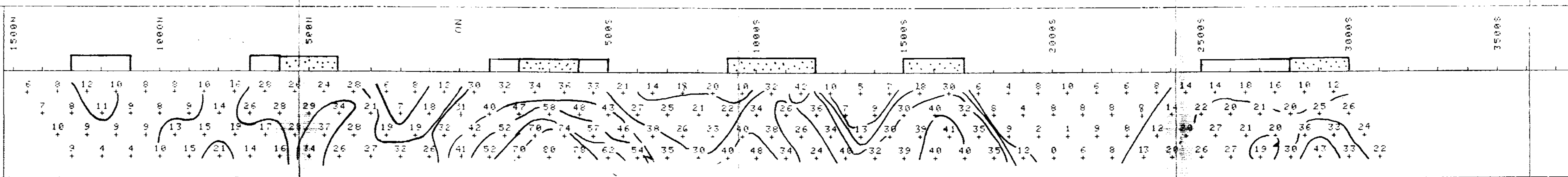
GEOLOGICAL BRANCH  
ASSESSMENT REPORT

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NO	PHO	CHARGE	MVOLTS
1450	N 423	100	140
1400	N 1209	100	100
1350	N 816	100	100
1300	N 957	100	100
1250	N 1201	100	100
1200	N 974	100	100
1150	N 1895	100	100
1100	N 1149	100	100
1050	N 861	100	100
1000	N 1316	100	100
950	N 1410	100	100
900	N 1149	100	100
850	N 1410	100	100
800	N 1378	100	100
750	N 1410	100	100
700	N 1566	100	100
650	N 1100	100	100
600	N 1173	100	100
550	N 1589	100	100
500	N 1338	100	100
450	N 1195	100	100
400	N 1575	100	100
350	N 1316	100	100
300	N 1805	100	100
250	N 1149	100	100
200	N 1348	100	100
150	N 827	100	100
100	N 689	100	100
50	N 534	100	100
0	N 548	100	100
0	N 485	100	100
0	N 354	100	100
0	N 2195	100	100
0	N 1353	100	100
0	N 1844	100	100
0	N 1844	100	100
0	N 861	100	100
0	N 718	100	100
0	N 708	100	100
0	N 887	100	100
0	N 1552	100	100
0	N 1085	100	100
0	N 1755	100	100
0	N 1622	100	100
0	N 1149	100	100
0	N 1685	100	100
0	N 1493	100	100
0	N 828	100	100
0	N 1622	100	100
0	N 1755	100	100
0	N 777	100	100
0	N 861	100	100
0	N 1958	100	100
0	N 848	100	100
0	N 861	100	100
0	N 678	100	100
0	N 697	100	100

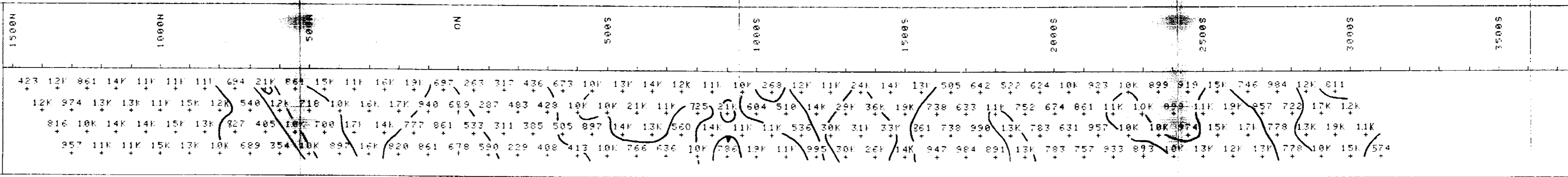
NO	PHO	CHARGE	MVOLTS
1500	N 1500	100	1500
1450	N 1500	100	1450
1400	N 1500	100	1400
1350	N 1500	100	1350
1300	N 1500	100	1300
1250	N 1500	100	1250
1200	N 1500	100	1200
1150	N 1500	100	1150
1100	N 1500	100	1100
1050	N 1500	100	1050
1000	N 1500	100	1000
950	N 1500	100	950
900	N 1500	100	900
850	N 1500	100	850
800	N 1500	100	800
750	N 1500	100	750
700	N 1500	100	700
650	N 1500	100	650
600	N 1500	100	600
550	N 1500	100	550
500	N 1500	100	500
450	N 1500	100	450
400	N 1500	100	400
350	N 1500	100	350
300	N 1500	100	300
250	N 1500	100	250
200	N 1500	100	200
150	N 1500	100	150
100	N 1500	100	100
50	N 1500	100	50
0	N 1500	100	0

**NEWMONT**  
Exploration  
**SIMILKAMEEN**  
VOIGT  
**CHARGEABILITY**  
SG 14 JUL 87



**LINE 400W**  
**DIPOLE-DIPOLE**  
N = 1  
N = 2  
N = 3  
SPREAD 100  
0ft 400 ft

**NEWMONT**  
Exploration  
**SIMILKAMEEN**  
VOIGT  
**RESISTIVITY**  
SG 14 JUL 87



**LINE 400W**  
**DIPOLE-DIPOLE**  
N = 1  
N = 2  
N = 3  
SPREAD 100  
0ft 400 ft

**GEOLOGICAL BRANCH**  
**ASSESSMENT REPORT**

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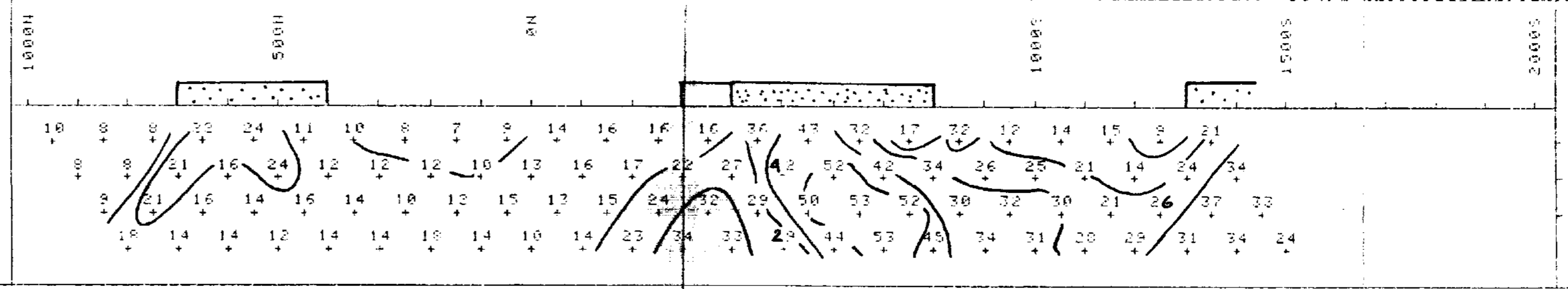


RESULTS DIPOLE-DIPOLE IP SURVEY

SIMILKAMEEN  
VOIGT  
OPERATOR R. COVEY  
24 JUL 87  
DIPOLE SPREAD: 100  
LINE 600E

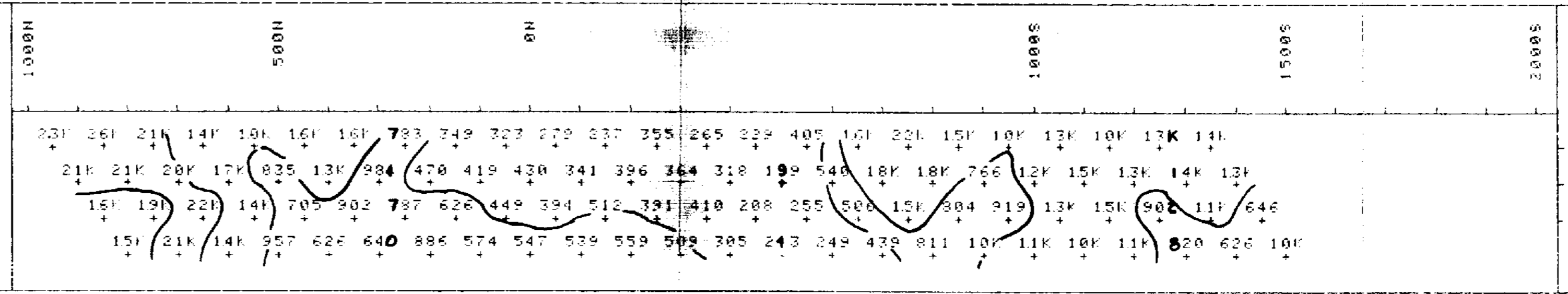
DEPTH	RHO	CHARG	MVOLTS						
950	N 2339	10	285	250	00	355	16	195	
980	N 2133	8	65	300	00	364	200	50	
850	N 1500	9	19.5	350	00	410	200	22.5	
800	N 1559	10	18.5	400	00	385	200	18.5	
850	N 2651	8	200	350	00	265	16	195	
800	N 2121	8	60	400	00	318	16	45	
750	N 1900	21	22.5	450	00	200	12	12	
700	N 2121	14	12	500	00	244	20	20	
750	N 2127	8	500	450	00	244	20	20	
700	N 2042	21	120	500	00	130	40	19.5	
650	N 2209	16	50	550	00	200	10	10	
600	N 1450	14	10.5	600	00	249	44	5.5	
650	N 1436	20	40.5	550	00	405	120	120	
600	N 1723	16	135	600	00	540	40	40	
550	N 1436	14	40	500	00	500	15	15	
500	N 957	12	13	700	00	430	6.5	6.5	
550	N 1044	24	40.0	800	00	1600	500	500	
500	N 835	24	80.0	700	00	1024	13.5	13.5	
450	N 705	16	11.1	700	00	1500	4.5	4.5	
400	N 606	14	12	800	00	811	10	10	
450	N 1641	11	1000	750	00	600	500	500	
400	N 1370	12	210	800	00	1030	120	120	
350	N 902	14	55	850	00	604	21	21	
300	N 640	14	19.5	900	00	1034	13.5	13.5	
350	N 1641	10	500	850	00	1532	400	400	
300	N 304	10	75	750	00	760	50	50	
250	N 707	10	24	850	00	910	24	24	
200	N 806	10	13.5	1000	00	1140	15	15	
250	N 700	8	100	950	00	1600	10	10	
200	N 470	10	20	1000	00	1000	120	120	
150	N 620	10	12	1050	00	1000	50	50	
100	N 574	14	5.5	1100	00	1090	21	21	
100	N 419	10	21	1050	00	1300	14	14	
50	N 449	10	5	1150	00	1500	60	60	
50	N 547	10	5	1200	00	1175	20	20	
50	N 323	9	135	1150	00	1094	15	15	
50	N 430	10	40	1200	00	1313	120	120	
50	N 394	10	16.5	1250	00	982	6.5	6.5	
50	N 190	14	11.5	1300	00	820	21	21	
50	N 341	14	100	1250	00	1300	500	500	
100	N 341	16	55	1300	00	1410	135	135	
150	N 510	15	30	1350	00	1170	45	45	
200	N 559	20	18	1400	00	820	34	34	
150	N 3007	16	100	1350	00	1450	21	21	
200	N 3007	17	75	1400	00	1370	120	120	
250	N 3007	14	30	1450	00	640	20	20	
300	N 3007	14	10.5	1500	00	1034	10	10	

NEWMONT  
Exploration  
SIMILKAMEEN  
VOIGT  
CHARGEABILITY  
R. COVEY 24 JUL 87



LINE 600E  
DIPOLE-DIPOLE  
N = 1  
N = 2  
N = 3  
SPREAD 100  
msec 0+ 400 +

NEWMONT  
Exploration  
SIMILKAMEEN  
VOIGT  
RESISTIVITY  
R. COVEY 24 JUL 87



LINE 600E  
DIPOLE-DIPOLE  
N = 1  
N = 2  
N = 3  
SPREAD 100  
ohm 0+ 400 +

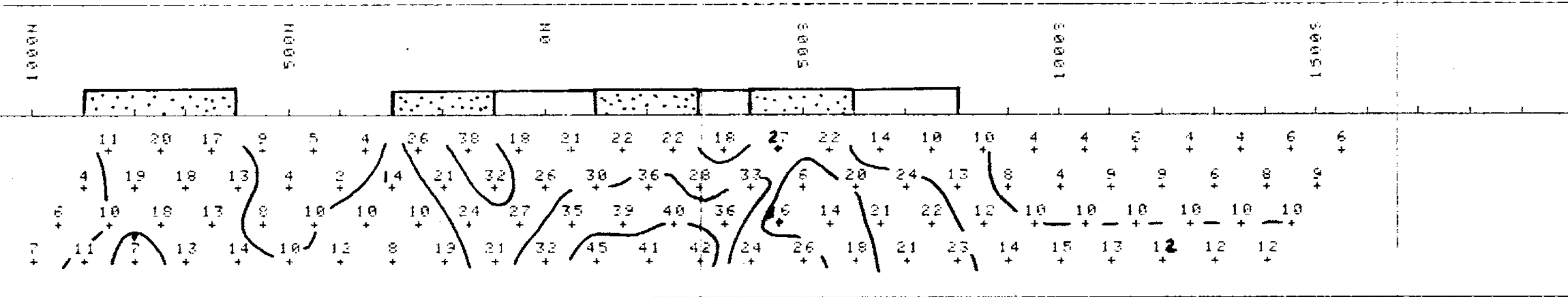
GEOLOGICAL BRANCH  
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SIMILKAMEEN  
VOIGT  
OPERATOR NS/RC  
23 JUL 87  
DIPOLE SPREAD: 100  
LINE 200E

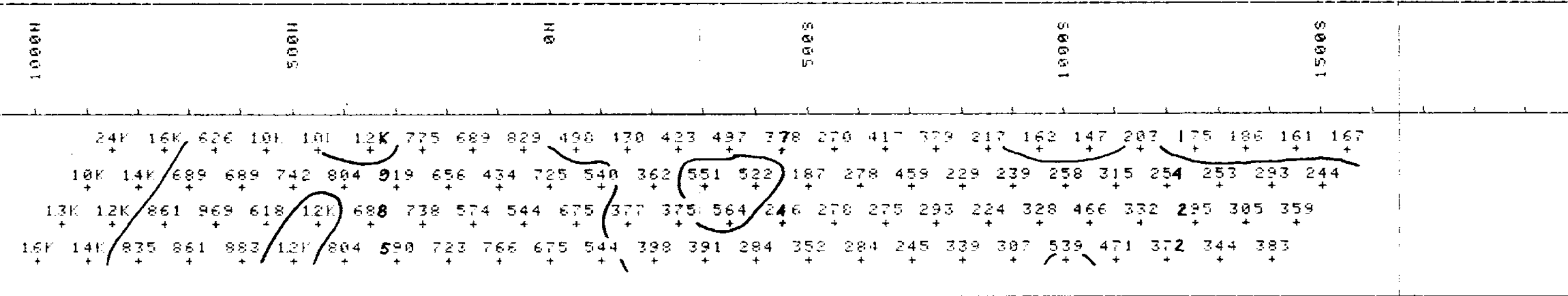
N	AT	RHO	CHARG	MVOLTS					
1550	9	167	6	78	250	0	375	40	9
1500	9	244	9	25	200	0	396	41	5
1450	10	359	10	15	250	0	423	22	140
1400	12	383	12	8	200	0	362	36	38
1450	6	181	6	45	150	0	377	39	12
1400	8	293	8	28	100	0	544	45	5
1350	10	385	10	0.5	150	0	438	22	19.5
1300	12	344	12	4.5	100	0	540	38	66
1350	4	188	4	60	50	0	675	35	38
1300	6	263	6	26	0	N	675	32	15
1250	10	295	10	9.5	50	0	498	31	16.5
1200	12	372	12	5	50	0	725	26	66
1250	4	175	4	56	50	N	544	27	18
1200	9	254	9	21	100	N	766	21	12
1150	10	332	10	11	50	N	829	18	19.5
1100	12	471	12	7.8	100	N	434	32	20
1150	6	203	6	85	150	N	574	24	13
1100	9	315	9	30	200	N	723	19	9
1050	10	466	10	19	150	N	688	38	21.8
1000	15	339	15	11	200	N	656	21	56
1050	4	147	4	70	250	N	738	18	22
1000	4	325	4	31	300	N	598	8	39
950	10	387	10	16	350	N	775	26	13.5
900	14	387	14	7.5	300	N	918	14	48
950	4	162	4	65	350	N	688	10	12
900	8	239	8	24	400	N	804	12	7
850	12	224	12	9	350	N	1292	4	13.5
800	20	326	20	6	400	N	804	2	21
850	10	217	10	85	450	N	1292	18	13.5
800	13	229	13	22	500	N	1244	10	6
750	20	293	20	11	450	N	1860	5	128
700	21	245	21	4.8	500	N	742	4	21
750	18	328	18	16.5	550	N	618	8	7
700	24	459	24	56	600	N	883	14	5
650	21	275	21	12	550	N	1077	9	158
600	18	264	18	6.2	500	N	689	13	24
650	14	417	14	22.5	650	N	969	15	13.5
600	20	278	20	37.5	700	N	861	13	6
550	14	278	14	15	650	N	626	17	128
500	26	352	26	9.5	700	N	689	18	33
550	22	278	22	16.5	750	N	861	18	16.5
500	6	187	6	28.5	800	N	835	7	8
450	16	246	16	15	750	N	1641	20	488
400	24	284	24	0.8	800	N	1477	19	96
450	27	373	27	14.5	850	N	1231	16	36
400	30	502	30	58	900	N	1477	11	18
350	36	564	36	21.6	850	N	2462	11	458
300	40	391	40	7.5	900	N	1894	4	56
350	18	497	18	138	950	N	1313	6	24
300	28	551	28	36	1000	N	1641	7	15

NEWMONT  
Exploration  
SIMILKAMEEN  
VOIGT  
CHARGEABILITY  
NS/RC 23 JUL 87



LINE 200E  
DIPOLE-DIPOLE  
N = 1  
N = 2  
N = 3  
SPREAD 100  
msec 0 11 400 ft

NEWMONT  
Exploration  
SIMILKAMEEN  
VOIGT  
RESISTIVITY  
NS/RC 23 JUL 87



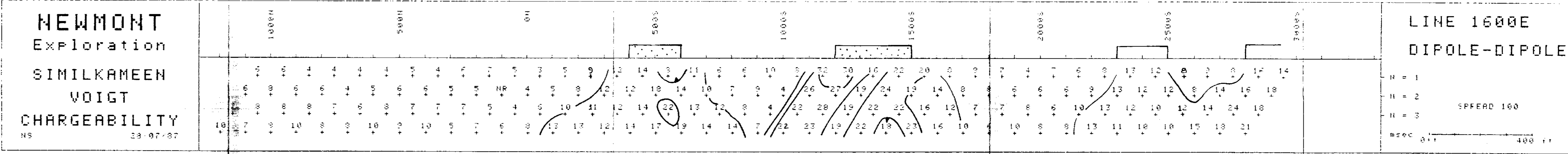
LINE 200E  
DIPOLE-DIPOLE  
N = 1  
N = 2  
N = 3  
SPREAD 100  
msec 0 11 400 ft

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

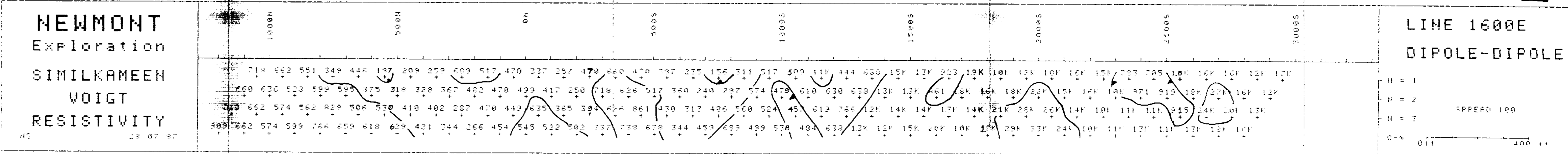
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RT	RHO	CHARG	MVCLTS
2950	1783	14	4.50
2900	1399	18	4.50
2850	1390	18	4.50
2800	1654	01	1.6
2750	1209	16	4.50
2700	1626	16	4.50
2650	1855	24	4.50
2600	1803	10	4.50
2550	1651	09	4.50
2500	2719	14	4.50
2450	2441	14	4.50
2400	1607	14	4.50
2350	1807	04	4.50
2300	1807	04	4.50
2250	1104	10	4.50
2200	1844	10	4.50
2150	1173	12	4.50
2100	1748	10	4.50
2050	735	12	4.50
2000	371	10	4.50
1950	1175	12	4.50
1900	1149	11	4.50
1850	733	10	4.50
1800	1096	10	4.50
1750	1096	10	4.50
1700	1096	10	4.50
1650	1538	10	4.50
1600	1606	10	4.50
1550	1436	10	4.50
1500	2406	10	4.50
1450	1653	10	4.50
1400	1566	10	4.50
1350	2611	10	4.50
1300	3307	10	4.50
1250	1034	10	4.50
1200	2298	10	4.50
1150	2873	10	4.50
1100	2907	10	4.50
1050	1292	10	4.50
1000	1031	10	4.50
950	2154	10	4.50
900	1733	10	4.50
850	1005	10	4.50
800	163	10	4.50
750	1408	10	4.50
700	1005	10	4.50
650	1399	10	4.50
600	923	10	4.50
550	861	14	4.50
500	1487	11	4.50
450	1511	08	4.50
400	1376	08	4.50
350	1373	08	4.50
300	1436	08	4.50
250	1275	08	4.50



LINE 1600E  
DIPOLE-DIPOLE  
N = 1  
N = 2  
N = 3  
SPREAD 100  
400 m



LINE 1600E  
DIPOLE-DIPOLE  
N = 1  
N = 2  
N = 3  
SPREAD 100  
400 m

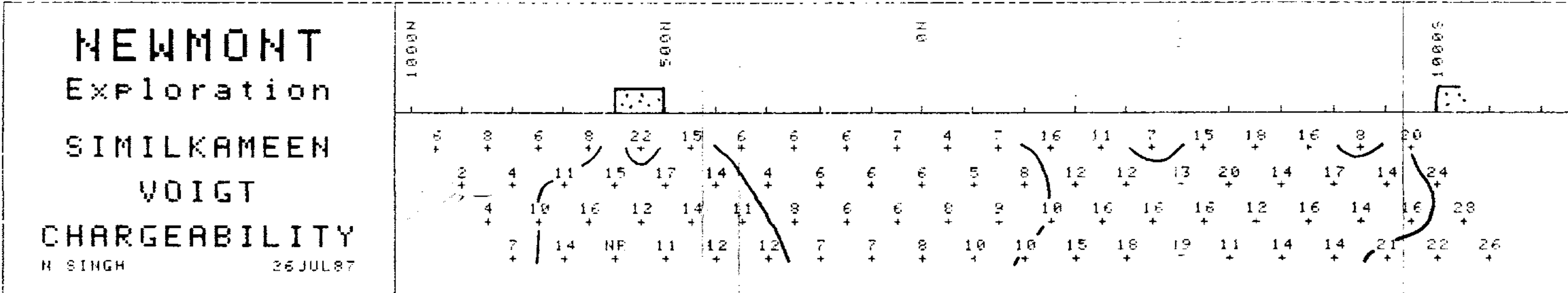
GEOLOGICAL BRANCH  
ASSESSMENT REPORT

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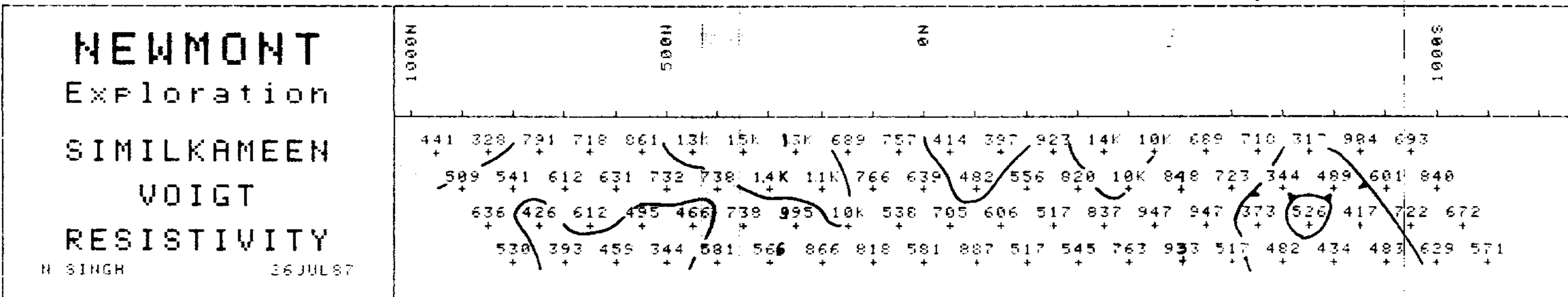
RESULTS DIPOLE-DIPOLE IP SURVEY

SIMILKAMEEN  
VOIGT  
OPERATOR N. SINGH  
26 JUL 87  
DIPOLE SPREAD: 100  
LINE 1400E

N	AT	RHO	CHARG	MVOLTS					
950	N 441	50		50	50	414	4	65	
950	N 509	14.4		14.4	100	482	5	18	
950	N 636	14		14	150	606	10	9.5	
900	N 530	150		150	200	517	10	4.95	
850	N 328	40		40	150	397	7	9.6	
800	N 541	16.5		16.5	200	550	9	31.5	
750	N 426	10		10	250	517	10	11.7	
700	N 393	14		14	300	545	15	5.7	
700	N 791	6		6	250	303	16	20.5	
700	N 612	11		11	300	620	12	5.6	
650	N 612	16		16	350	837	16	20.4	
600	N 459	NE		1	400	763	18	9.3	
600	N 718	2		2	350	1400	11	39.6	
600	N 631	15		15	400	1000	12	7.0	
550	N 495	12		12	450	847	16	26.4	
500	N 344	11		11	500	933	10	13	
500	N 861	20		20	450	1000	7	18.6	
500	N 732	17		17	500	848	16	36.2	
450	N 466	14		14	550	947	16	16.5	
400	N 581	12		12	600	117	11	4.5	
400	N 1354	15		15	650	100	15	12.8	
400	N 738	14		14	700	31.5	20	31.5	
350	N 738	11		11	750	670	12	6.5	
300	N 566	12		12	800	482	14	4.0	
250	N 1532	80		80	850	718	18	22.5	
200	N 1493	19		19	900	344	14	27	
200	N 995	16		16	950	526	16	16.5	
200	N 866	14		14	1000	434	14	6.0	
150	N 1364	9.5		9.5	750	317	16	18.5	
100	N 1126	40		40	800	400	17	40.5	
100	N 1077	13.5		13.5	850	417	14	13.0	
100	N 818	12.5		12.5	900	483	21	8	
100	N 689	10		10	950	324	8	3.6	
100	N 766	50		50	1000	601	14	5.6	
50	N 538	15		15	900	722	16	26.4	
50	N 581	5.1		5.1	1000	629	22	11.5	
50	N 757	14.5		14.5	950	693	20	49.5	
50	N 639	38		38	1000	848	24	15.6	
50	N 705	13		13	1050	672	28	48	
100	N 887	8.5		8.5	1100	571	26	20.4	



LINE 1400E  
DIPOLE-DIPOLE  
N = 1  
N = 2  
N = 3  
SPREAD 100  
msec 0 1 400 ft



LINE 1400E  
DIPOLE-DIPOLE  
N = 1  
N = 2  
N = 3  
SPREAD 100  
msec 0 1 400 ft

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

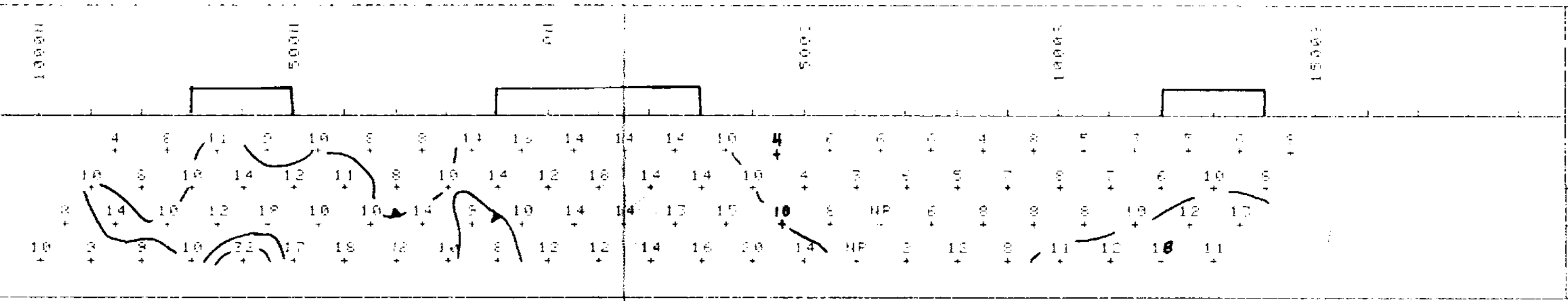
17,462

SIMILKAMEEN  
 OPERATOR H SINGH  
 DIPOLE SPREAD 100  
 LINE 1000E

RT	PHO	CHARGE	NOVOLT
1450	10.20	1000	1000
1400	10.20	1000	1000
1350	10.20	1000	1000
1300	10.20	1000	1000
1250	10.20	1000	1000
1200	10.20	1000	1000
1150	10.20	1000	1000
1100	10.20	1000	1000
1050	10.20	1000	1000
1000	10.20	1000	1000
950	10.20	1000	1000
900	10.20	1000	1000
850	10.20	1000	1000
800	10.20	1000	1000
750	10.20	1000	1000
700	10.20	1000	1000
650	10.20	1000	1000
600	10.20	1000	1000
550	10.20	1000	1000
500	10.20	1000	1000
450	10.20	1000	1000
400	10.20	1000	1000
350	10.20	1000	1000
300	10.20	1000	1000
250	10.20	1000	1000
200	10.20	1000	1000
150	10.20	1000	1000
100	10.20	1000	1000
50	10.20	1000	1000
0	10.20	1000	1000

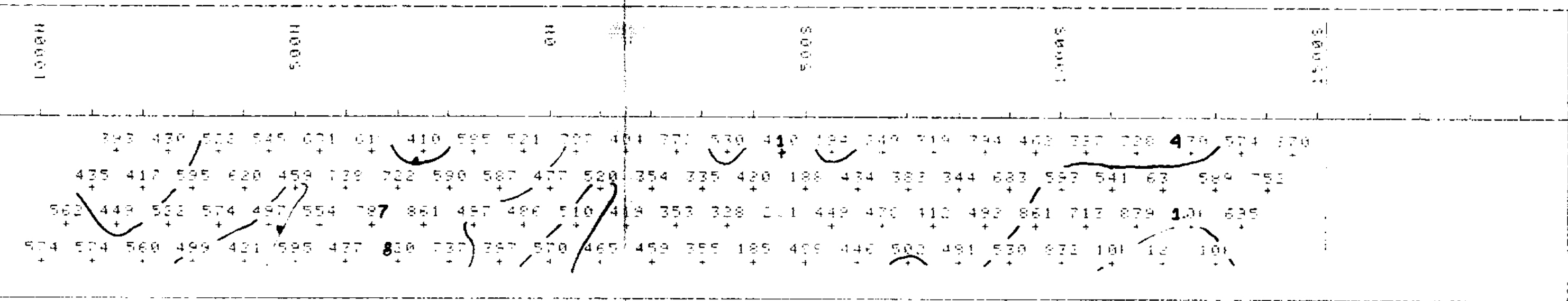
RT	PHO	CHARGE	NOVOLT
1450	10.20	1000	1000
1400	10.20	1000	1000
1350	10.20	1000	1000
1300	10.20	1000	1000
1250	10.20	1000	1000
1200	10.20	1000	1000
1150	10.20	1000	1000
1100	10.20	1000	1000
1050	10.20	1000	1000
1000	10.20	1000	1000
950	10.20	1000	1000
900	10.20	1000	1000
850	10.20	1000	1000
800	10.20	1000	1000
750	10.20	1000	1000
700	10.20	1000	1000
650	10.20	1000	1000
600	10.20	1000	1000
550	10.20	1000	1000
500	10.20	1000	1000
450	10.20	1000	1000
400	10.20	1000	1000
350	10.20	1000	1000
300	10.20	1000	1000
250	10.20	1000	1000
200	10.20	1000	1000
150	10.20	1000	1000
100	10.20	1000	1000
50	10.20	1000	1000
0	10.20	1000	1000

**NEWMONT**  
 Exploration  
**SIMILKAMEEN**  
 VOIGT  
**CHARGEABILITY**  
 H SINGH 26 JUL 87



**LINE 1000E**  
**DIPOLE-DIPOLE**  
 H = 1  
 H = 2  
 H = 3  
 SPREAD 100  
 400

**NEWMONT**  
 Exploration  
**SIMILKAMEEN**  
 VOIGT  
**RESISTIVITY**  
 H SINGH 26 JUL 87



**LINE 1000E**  
**DIPOLE-DIPOLE**  
 H = 1  
 H = 2  
 H = 3  
 SPREAD 100  
 400

**GEOLOGICAL BRANCH**  
**ASSESSMENT REPORT**

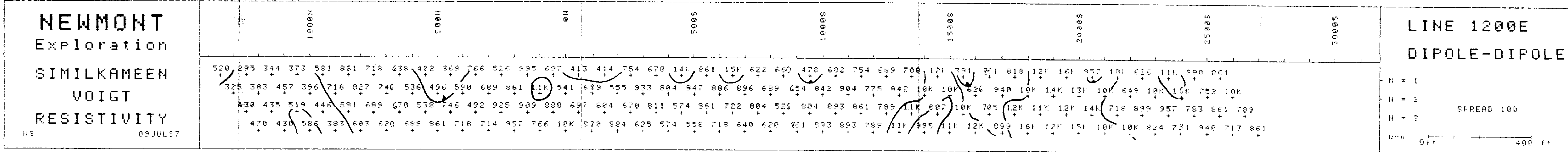
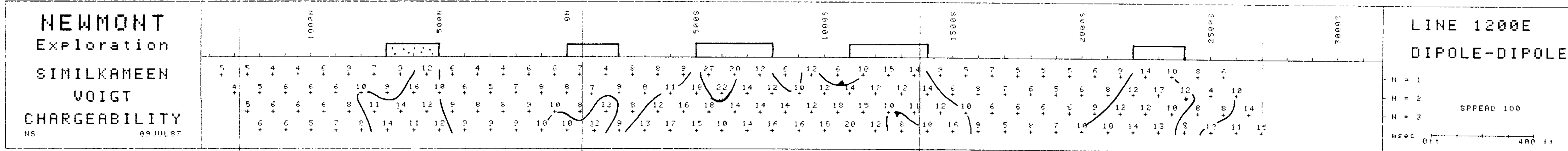
**17,462**



SIMILKAMEEN  
09 JUL 87  
DIPOLE SPREAD 100  
LINE 1200E

STATION	RHO	CHARG	MVGLTS
1350	520	550	550
1300	325	50	50
1250	430	100	100
1200	470	150	150
1150	295	200	200
1100	383	110	150
1050	435	50	200
1000	430	24	250
950	344	600	300
900	457	195	250
850	319	800	300
800	586	48	350
750	373	390	400
700	390	100	350
650	446	400	400
600	383	10	450
550	581	400	500
500	718	450	450
450	581	400	500
400	603	201	550
350	361	150	600
300	627	100	550
250	689	600	600
200	620	700	650
150	718	750	700
100	746	195	750
50	570	700	700
0	580	36	750
50	580	1000	800
100	336	1010	750
150	530	300	800
200	861	45	850
250	402	700	900
300	496	210	950
350	746	100	900
400	718	50	950
450	369	450	1000
500	596	100	1050
550	492	80	1100
600	714	400	1150
650	766	1200	1200
700	689	270	1250
750	825	145	1300
800	957	70	1350
850	626	1150	1400
900	861	450	1450
950	909	100	1500
1000	766	80	1550
1050	295	1300	1600
1100	1120	500	1650

115	1300	840	10	550
70	1350	1140	11	300
850	1400	990	10	130
165	1350	700	14	1950
85	1400	1000	14	700
50	1450	897	10	225
700	1500	1140	10	140
300	1450	1200	10	2700
140	1500	1021	6	400
71	1550	1053	10	165
435	1600	1216	5	90
210	1550	391	5	150
20	1600	620	6	60
200	1650	705	6	27
650	1700	899	8	10
240	1650	861	3	300
85	1700	940	9	90
1400	1750	1214	6	400
420	1750	1641	8	300
140	1800	810	8	200
60	1850	1034	9	90
1350	1900	1120	9	30
330	1850	1200	5	540
120	1900	1292	6	150
50	1950	1436	6	54
1050	2000	1200	10	30
200	1950	1570	6	400
80	2000	1600	6	100
20	2050	1351	9	40
15	2100	1410	10	15
70	2150	1010	8	300
27	2200	957	8	80
650	2250	1005	12	200
650	2300	710	14	160
100	2350	1057	9	400
1150	2400	1040	10	300
285	2450	620	14	140
140	2500	890	10	50
70	2550	824	10	100
330	2600	890	10	850
1100	2650	824	10	195
70	2700	620	12	60
330	2750	731	10	30
1100	2800	1100	10	500
140	2850	1010	10	100
70	2900	740	12	60
350	2950	990	10	30
315	3000	990	10	500
120	3050	750	8	90
55	3100	861	8	400
1050	3150	710	11	10
270	3200	861	6	100
110	3250	1053	10	55
80	3300	700	14	150
1140	3350	840	15	50
1000	3400	600	15	50

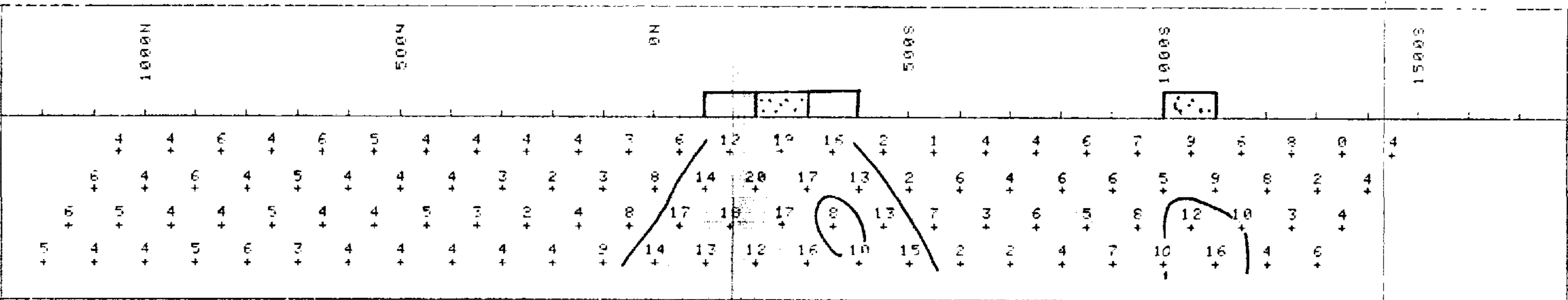


LINE 1200E  
DIPOLE-DIPOLE  
N = 1  
N = 2  
N = 3  
SPREAD 100  
Scale: 0ft to 400 ft

GEOLOGICAL BRANCH  
ASSESSMENT REPORT  
**17,462**  
LINE 1200E  
DIPOLE-DIPOLE  
N = 1  
N = 2  
N = 3  
SPREAD 100  
Scale: 0ft to 400 ft

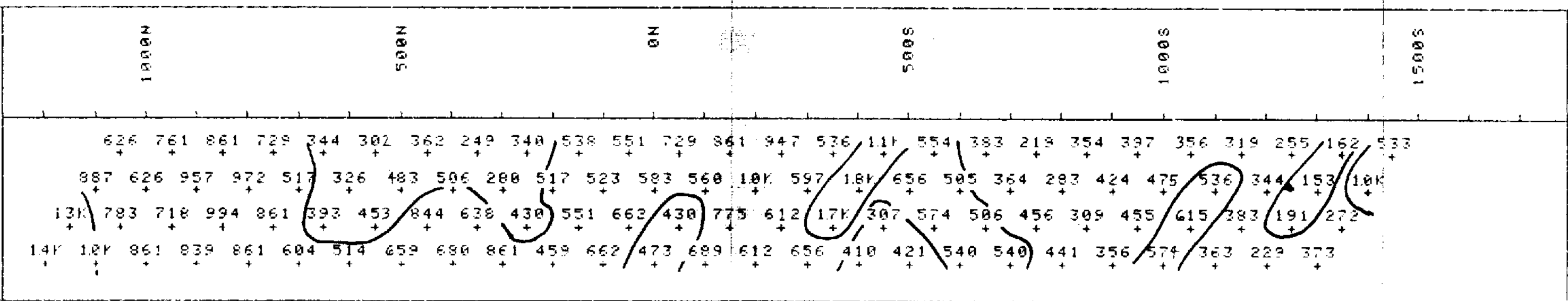
STATION	CHARGE	MULTS	RESISTIVITY	RESISTIVITY
1450	4	150	20	120
1400	4	100	14	120
1350	4	50	14	120
1300	4	50	14	120
1250	4	50	14	120
1200	4	50	14	120
1150	4	100	14	120
1100	4	100	14	120
1050	4	100	14	120
1000	4	100	14	120
950	4	100	14	120
900	4	100	14	120
850	4	100	14	120
800	4	100	14	120
750	4	100	14	120
700	4	100	14	120
650	4	100	14	120
600	4	100	14	120
550	4	100	14	120
500	4	100	14	120
450	4	100	14	120
400	4	100	14	120
350	4	100	14	120
300	4	100	14	120
250	4	100	14	120
200	4	100	14	120
150	4	100	14	120
100	4	100	14	120

NEWMONT  
Exploration  
SIMILKAMEEN  
VOIGT  
CHARGEABILITY  
RC 12JUL87



LINE 3200E  
DIPOLE-DIPOLE  
N = 1  
N = 2  
N = 3  
SPREAD 100  
msec 0 400 ft

NEWMONT  
Exploration  
SIMILKAMEEN  
VOIGT  
RESISTIVITY  
PC 12JUL87



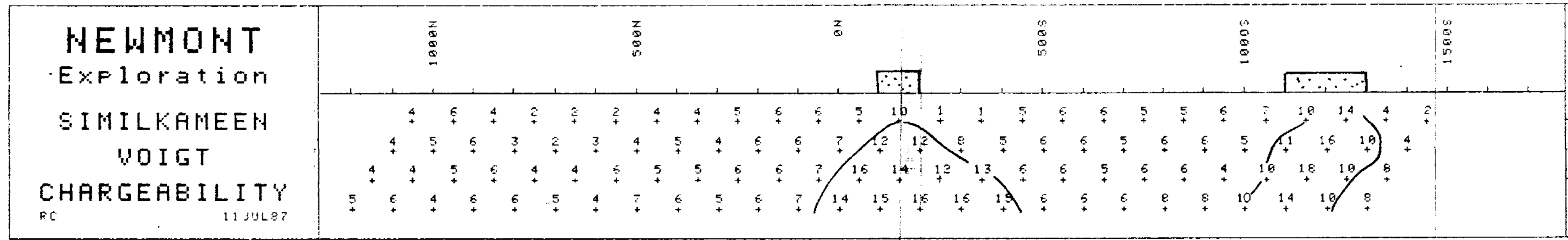
LINE 3200E  
DIPOLE-DIPOLE  
N = 1  
N = 2  
N = 3  
SPREAD 100  
msec 0 400 ft

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

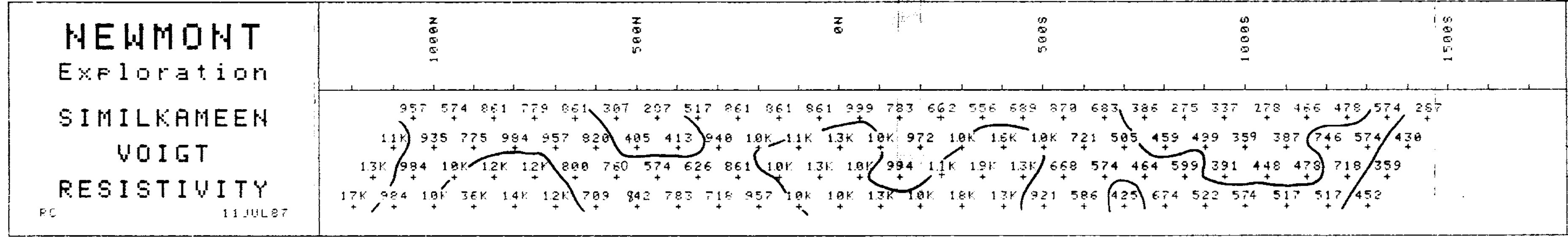
17,462

SIMILKAMEEN  
VOIGT  
OPERATOR RC  
11 JUL 87  
DIPOLE SPREAD 100  
LINE 2400E

N	AT	RHO	CHARG	MVOLTS	100	S	1325	15	15
1	1450	287	4	48	100	S	783	10	150
2	1400	430	4	15	100	S	1044	12	58
3	1350	359	8	9	50	S	1096	16	21
4	1300	452	8	3 15	50	S	1044	14	18
5	1350	574	4	68	50	S	999	9	480
6	1300	574	10	15	50	N	1348	7	135
7	1250	710	10	7 5	100	N	1373	7	55
8	1200	517	10	2 7	50	N	1049	7	21
9	1250	478	14	2 7	50	N	861	6	270
10	1200	746	16	19 5	100	N	1149	6	98
11	1150	478	18	5	200	N	1053	6	33
12	1100	517	14	2 7	150	N	957	6	15
13	1150	466	18	19	200	N	861	6	180
14	1100	387	11	27	250	N	1053	6	55
15	1050	448	18	12 5	300	N	861	6	18
16	1000	574	18	8	250	N	718	7	7 5
17	1050	278	7	150	300	N	861	5	16 5
18	1000	359	5	58	300	N	940	4	45
19	950	391	4	22 5	400	N	626	4	12
20	900	522	8	15	400	N	783	6	7 5
21	950	307	6	135	350	N	517	4	13 5
22	900	499	6	135	400	N	413	4	27
23	850	599	6	24	450	N	574	5	15
24	800	674	6	13 5	450	N	842	7	11
25	850	275	5	128	500	N	287	4	85
26	800	459	6	56	550	N	405	4	38
27	750	464	6	21	600	N	768	6	22 5
28	700	425	6	18	650	N	709	4	16 5
29	750	386	6	330	700	N	387	4	75 5
30	700	585	6	118	750	N	828	3	58
31	650	574	5	58	800	N	800	4	19 5
32	600	586	6	35 5	850	N	1231	4	15
33	550	683	6	58 5	900	N	861	5	100
34	600	721	6	135	950	N	957	2	50
35	550	668	6	50	1000	N	1220	4	25 5
36	500	921	6	34 5	1050	N	1436	6	15
37	550	870	6	500	1100	N	779	2	95 5
38	500	1044	6	150	1150	N	984	3	38
39	450	1392	6	88	1200	N	1231	6	15
40	400	1318	15	39	1250	N	861	6	22 5
41	450	689	5	180	1300	N	3693	6	120
42	400	1685	5	118	1350	N	861	4	27
43	350	1915	12	58	1400	N	775	5	15
44	300	1831	16	25 5	1450	N	1077	5	7
45	350	556	1	300	1500	N	1005	4	78
46	300	1000	8	135	1550	N	574	6	28 5
47	250	1112	12	68	1600	N	935	5	12
48	200	1077	16	38	1650	N	984	4	5
49	250	662	8	158	1700	N	984	6	58
50	200	972	12	55	1750	N	957	4	15
51	150	994	14	22 5	1800	N	1149	4	7
					1850	N	1348	4	7
					1900	N	1723	5	4 5



LINE 2400E  
DIPOLE-DIPOLE  
N = 1  
N = 2  
N = 3  
SPREAD 100  
msec 0ft 400 ft



LINE 2400E  
DIPOLE-DIPOLE  
N = 1  
N = 2  
N = 3  
SPREAD 100  
0-m 0ft 400 ft

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

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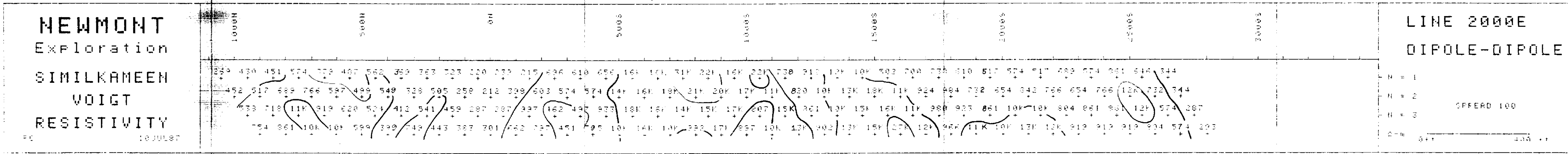
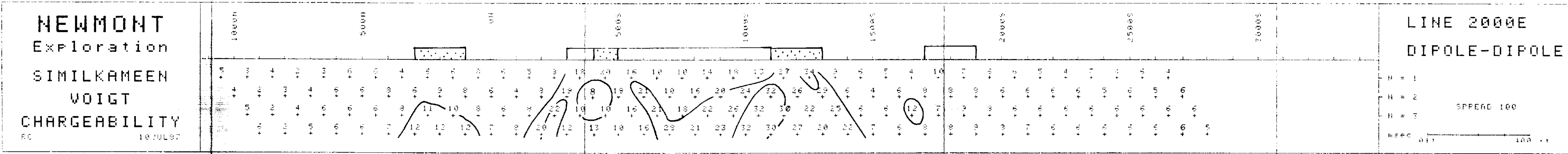
SIMILKAMEEN  
DIST  
OPERATOR RL  
19 JUL 87  
CIRCLE SPREAD 100  
LINE 2000E

RT	CHRG	RVOLTS
1858	N	4.55
1859	N	4.55
1860	N	4.55
1861	N	4.55
1862	N	4.55
1863	N	4.55
1864	N	4.55
1865	N	4.55
1866	N	4.55
1867	N	4.55
1868	N	4.55
1869	N	4.55
1870	N	4.55
1871	N	4.55
1872	N	4.55
1873	N	4.55
1874	N	4.55
1875	N	4.55
1876	N	4.55
1877	N	4.55
1878	N	4.55
1879	N	4.55
1880	N	4.55
1881	N	4.55
1882	N	4.55
1883	N	4.55
1884	N	4.55
1885	N	4.55
1886	N	4.55
1887	N	4.55
1888	N	4.55
1889	N	4.55
1890	N	4.55
1891	N	4.55
1892	N	4.55
1893	N	4.55
1894	N	4.55
1895	N	4.55
1896	N	4.55
1897	N	4.55
1898	N	4.55
1899	N	4.55
1900	N	4.55

RT	CHRG	RVOLTS
1901	N	4.55
1902	N	4.55
1903	N	4.55
1904	N	4.55
1905	N	4.55
1906	N	4.55
1907	N	4.55
1908	N	4.55
1909	N	4.55
1910	N	4.55
1911	N	4.55
1912	N	4.55
1913	N	4.55
1914	N	4.55
1915	N	4.55
1916	N	4.55
1917	N	4.55
1918	N	4.55
1919	N	4.55
1920	N	4.55
1921	N	4.55
1922	N	4.55
1923	N	4.55
1924	N	4.55
1925	N	4.55
1926	N	4.55
1927	N	4.55
1928	N	4.55
1929	N	4.55
1930	N	4.55

RT	CHRG	RVOLTS
1931	N	4.55
1932	N	4.55
1933	N	4.55
1934	N	4.55
1935	N	4.55
1936	N	4.55
1937	N	4.55
1938	N	4.55
1939	N	4.55
1940	N	4.55
1941	N	4.55
1942	N	4.55
1943	N	4.55
1944	N	4.55
1945	N	4.55
1946	N	4.55
1947	N	4.55
1948	N	4.55
1949	N	4.55
1950	N	4.55
1951	N	4.55
1952	N	4.55
1953	N	4.55
1954	N	4.55
1955	N	4.55
1956	N	4.55
1957	N	4.55
1958	N	4.55
1959	N	4.55
1960	N	4.55

RT	CHRG	RVOLTS
1961	N	4.55
1962	N	4.55
1963	N	4.55
1964	N	4.55
1965	N	4.55
1966	N	4.55
1967	N	4.55
1968	N	4.55
1969	N	4.55
1970	N	4.55
1971	N	4.55
1972	N	4.55
1973	N	4.55
1974	N	4.55
1975	N	4.55
1976	N	4.55
1977	N	4.55
1978	N	4.55
1979	N	4.55
1980	N	4.55
1981	N	4.55
1982	N	4.55
1983	N	4.55
1984	N	4.55
1985	N	4.55
1986	N	4.55
1987	N	4.55
1988	N	4.55
1989	N	4.55
1990	N	4.55



LINE 2000E  
DIPOLE-DIPOLE  
N = 1  
N = 2  
N = 3  
SPREAD 100  
100M

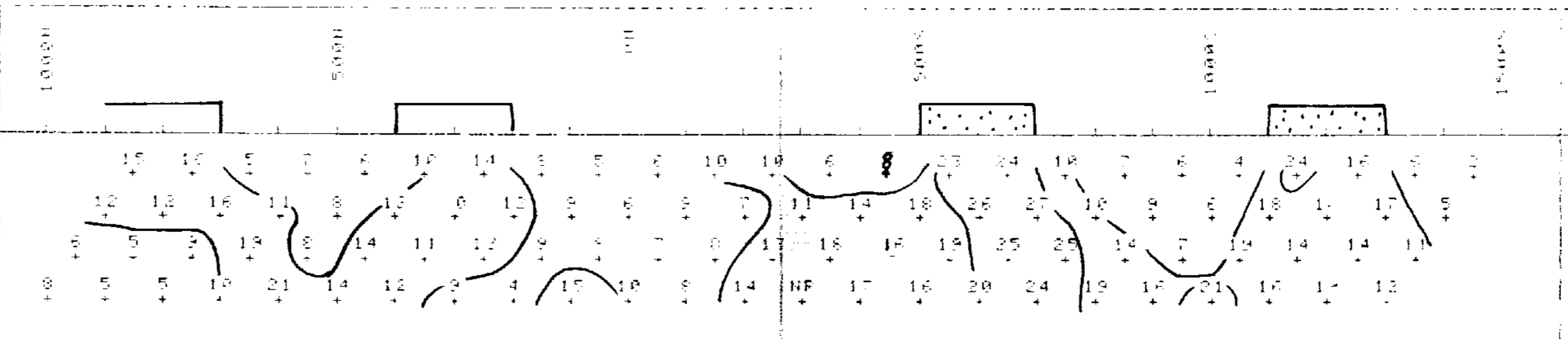
GEOLOGICAL BRANCH  
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LINE 2000E  
DIPOLE-DIPOLE  
N = 1  
N = 2  
N = 3  
SPREAD 100  
100M

SIMILKAMEEN  
CREATOR: NS, PC  
DATE: 27 JUL 87  
DIPOLE SPREAD: 100  
LINE: 1800E

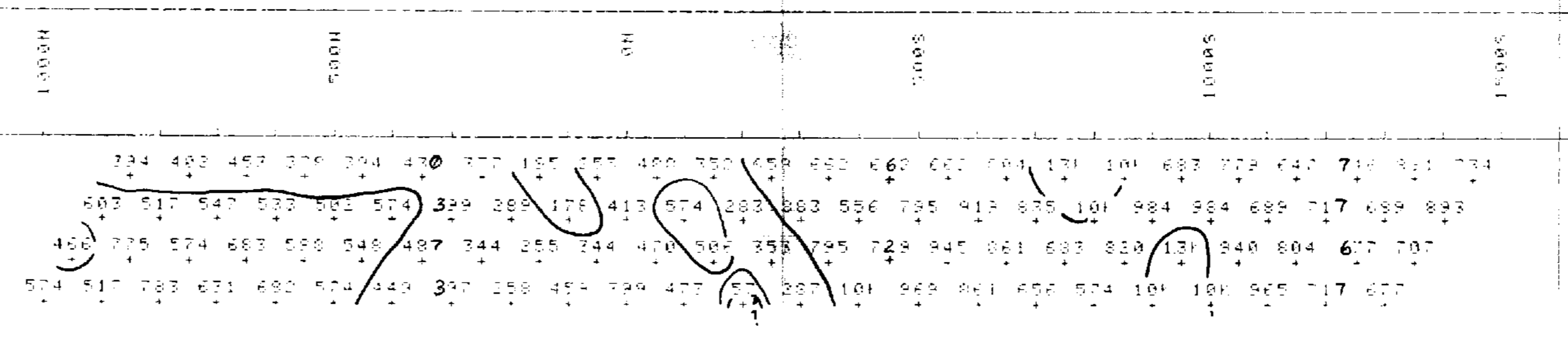
1450	1450
1400	1400
1350	1350
1300	1300
1250	1250
1200	1200
1150	1150
1100	1100
1050	1050
1000	1000
950	950
900	900
850	850
800	800
750	750
700	700
650	650
600	600
550	550
500	500
450	450
400	400
350	350
300	300
250	250
200	200
150	150
100	100

**NEWMONT**  
Exploration  
**SIMILKAMEEN**  
VOIGT  
**CHARGEABILITY**  
NS, PC 27 JUL 87



**LINE 1800E**  
**DIPOLE-DIPOLE**  
N = 1  
N = 2  
N = 3  
SPREAD 100  
400

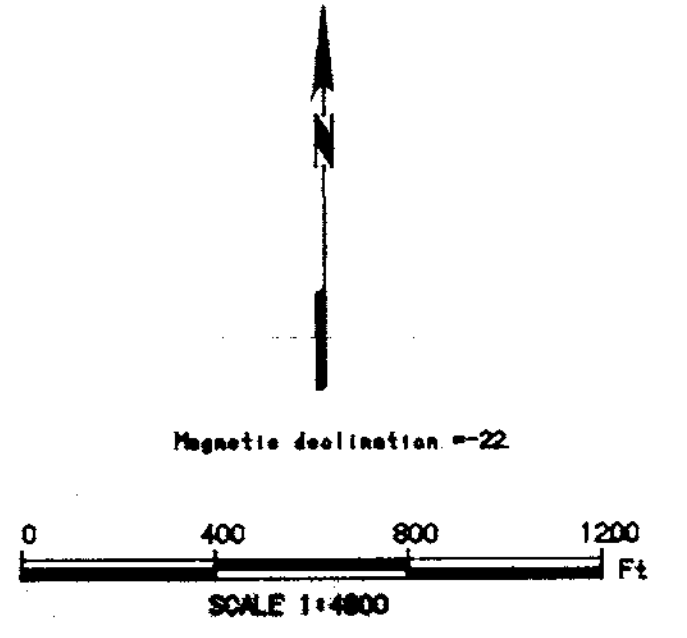
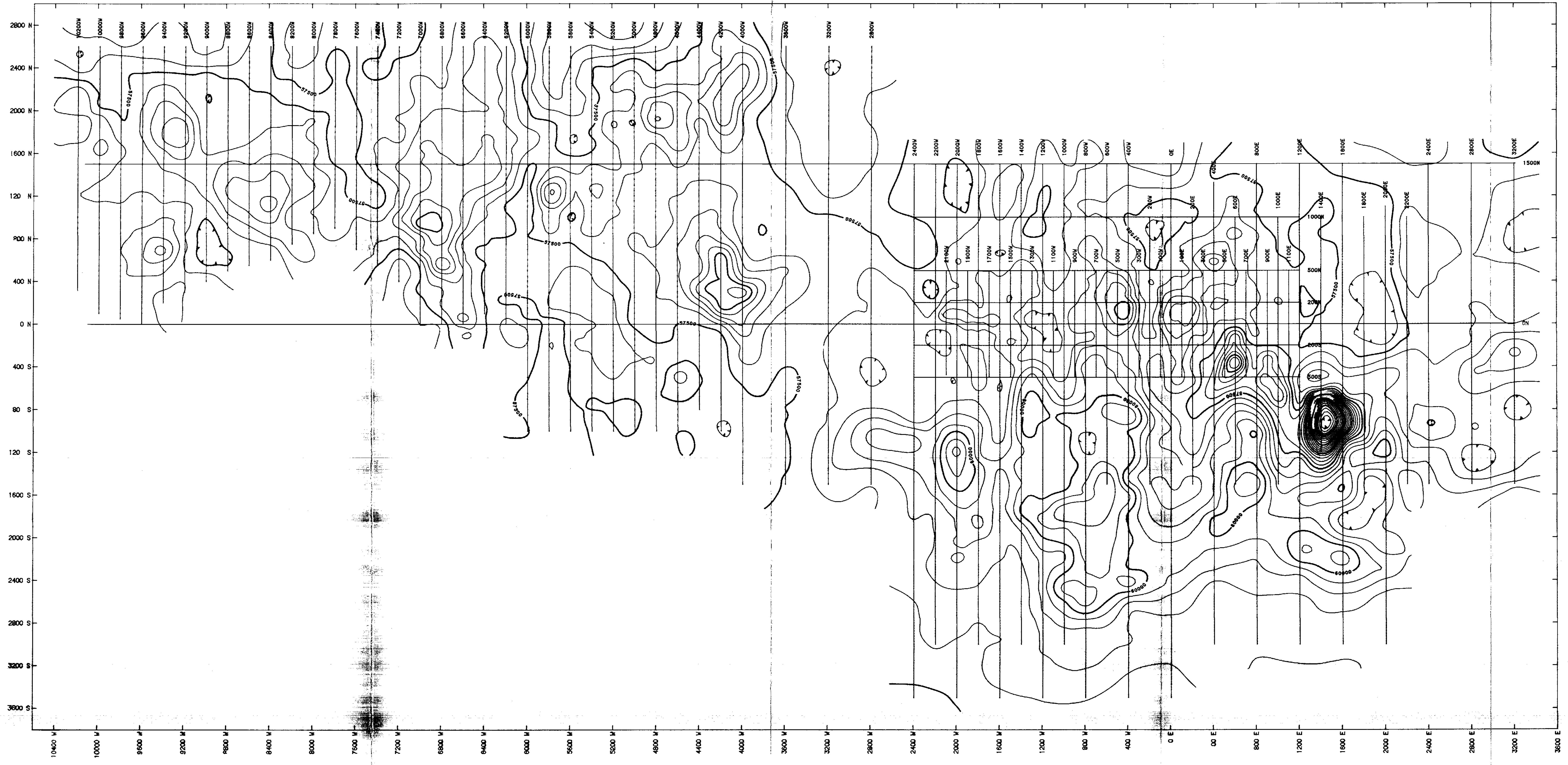
**NEWMONT**  
Exploration  
**SIMILKAMEEN**  
VOIGT  
**RESISTIVITY**  
NS, PC 27 JUL 87



**LINE 1800E**  
**DIPOLE-DIPOLE**  
N = 1  
N = 2  
N = 3  
SPREAD 100  
400

**GEOLOGICAL BRANCH**  
**ASSESSMENT REPORT**

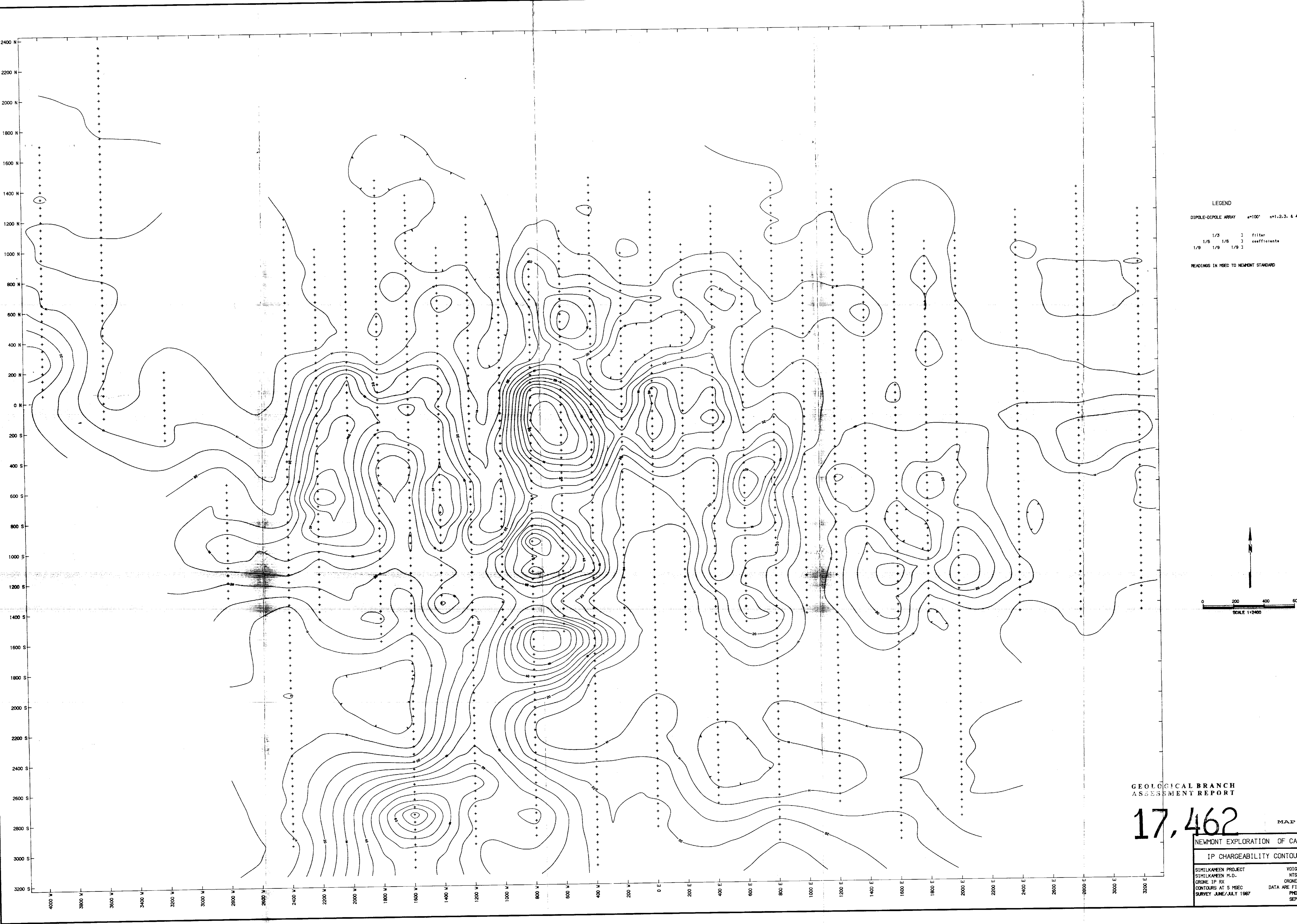
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GEOLOGICAL BRANCH  
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NEWMONT EXPLORATION CANADA LTD  
UPWARD CONTINUED MAG  
SIBELKVEEN PROJECT VOIOT GRID  
NTS 92 H 8  
EDA OMNI IV AND SCINTREX MP2 MAGNETOMETERS  
DATA CORRECTED TO BASE MAG OR BASE LINE  
CONTOURS AT 500 GAMMAS MAG CONTINUED UP 50'  
PFD/DL/NS/HL JAN 1968

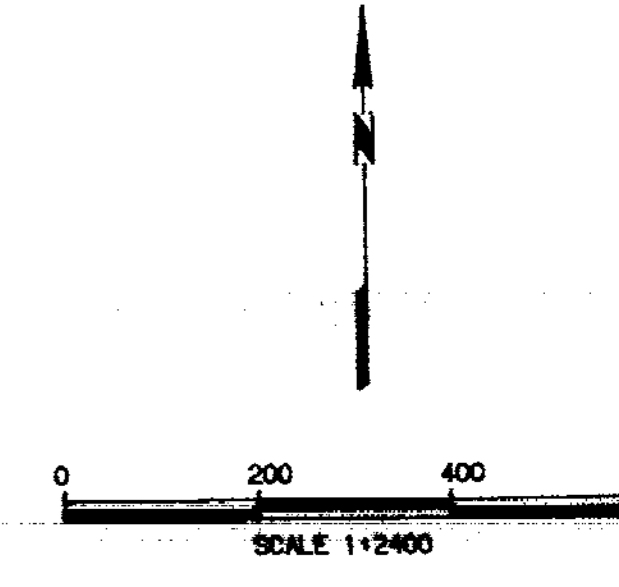


LEGEND

DIPLOLE-DIPOLE ARRAY  $a=100^\circ$   $n=1,2,3,4$

1/3	1	filter
1/6	1/6	coefficients
1/9	1/9	1/9

READINGS IN HSEC TO NEWMONT STANDARD



GEOLOGICAL BRANCH  
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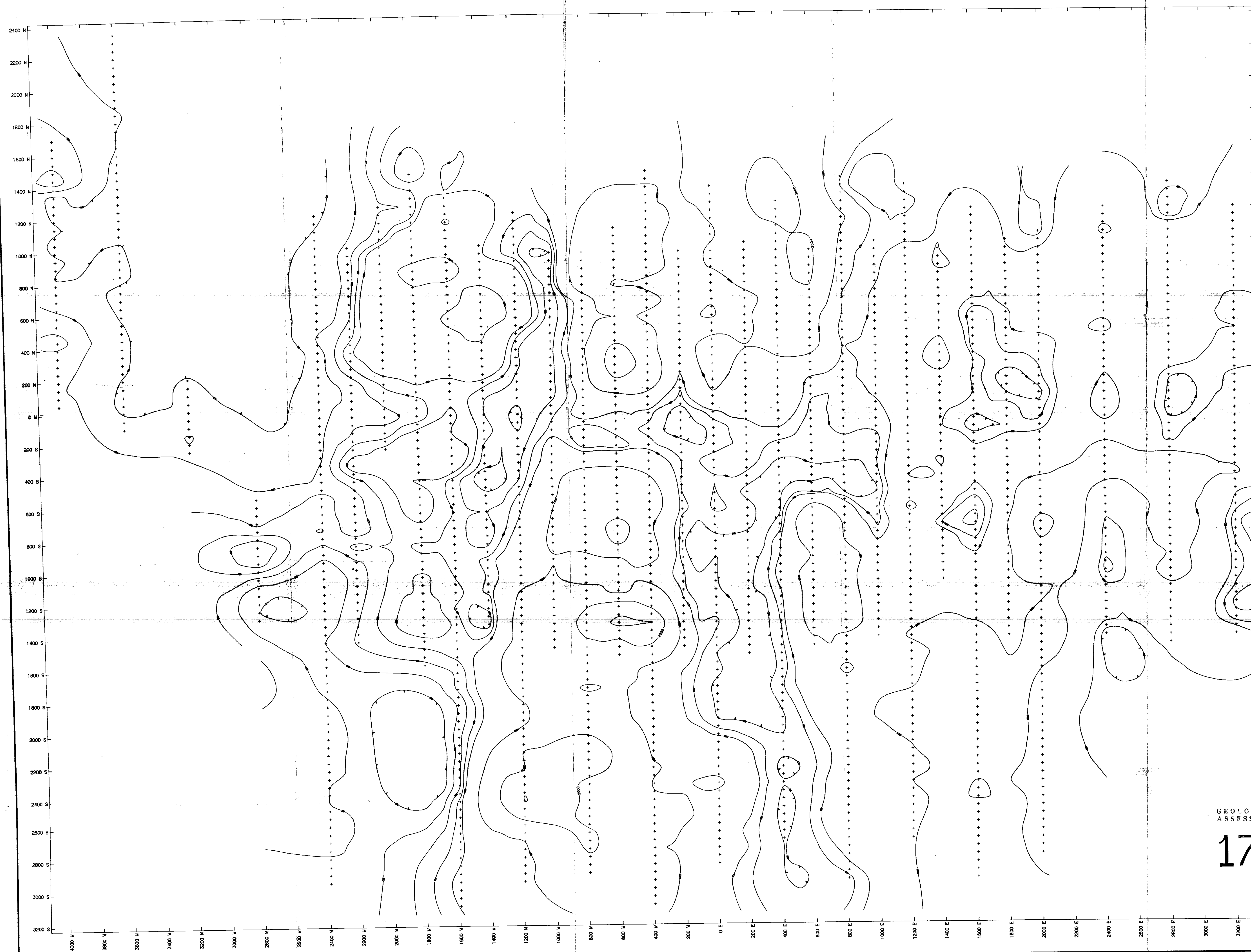
MAP

NEWMONT EXPLORATION OF CA

IP CHARGEABILITY CONTOUR

SIMILUKAMEN PROJECT	VOIG
SIMILUKAMEN P.D.	NTS
CRONE IP BX	CRONE
CONTOURS AT 5 HSEC	DATA ARE FI
SURVEY JUNE/JULY 1987	PHD
	SEP



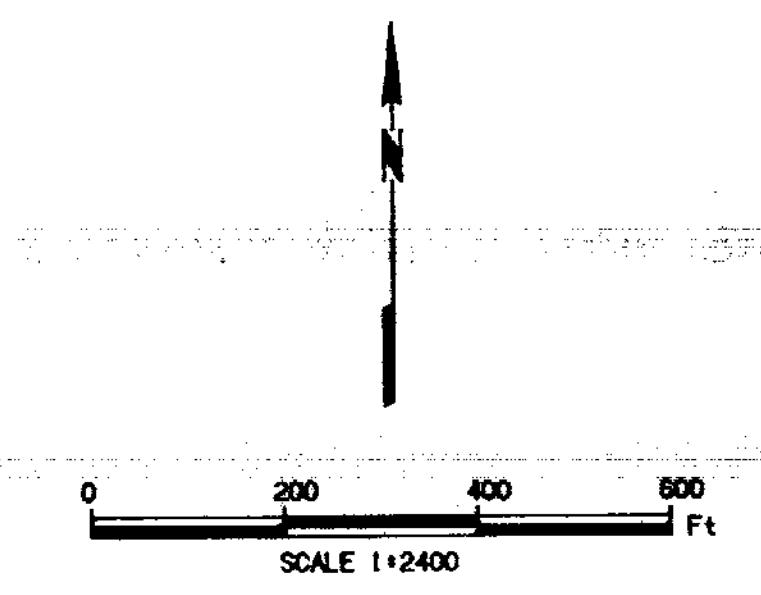


LEGEND

DIPLO-DIPLO ARRAY a=100' a=1,2,3, 4,4

1/3 3 filter  
 1/6 1/6 3 coefficients  
 1/9 1/9 1/9 3

READINGS IN OHM-METRES



GEOLOGICAL BRANCH  
 ASSESSMENT REPORT

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MAP 8

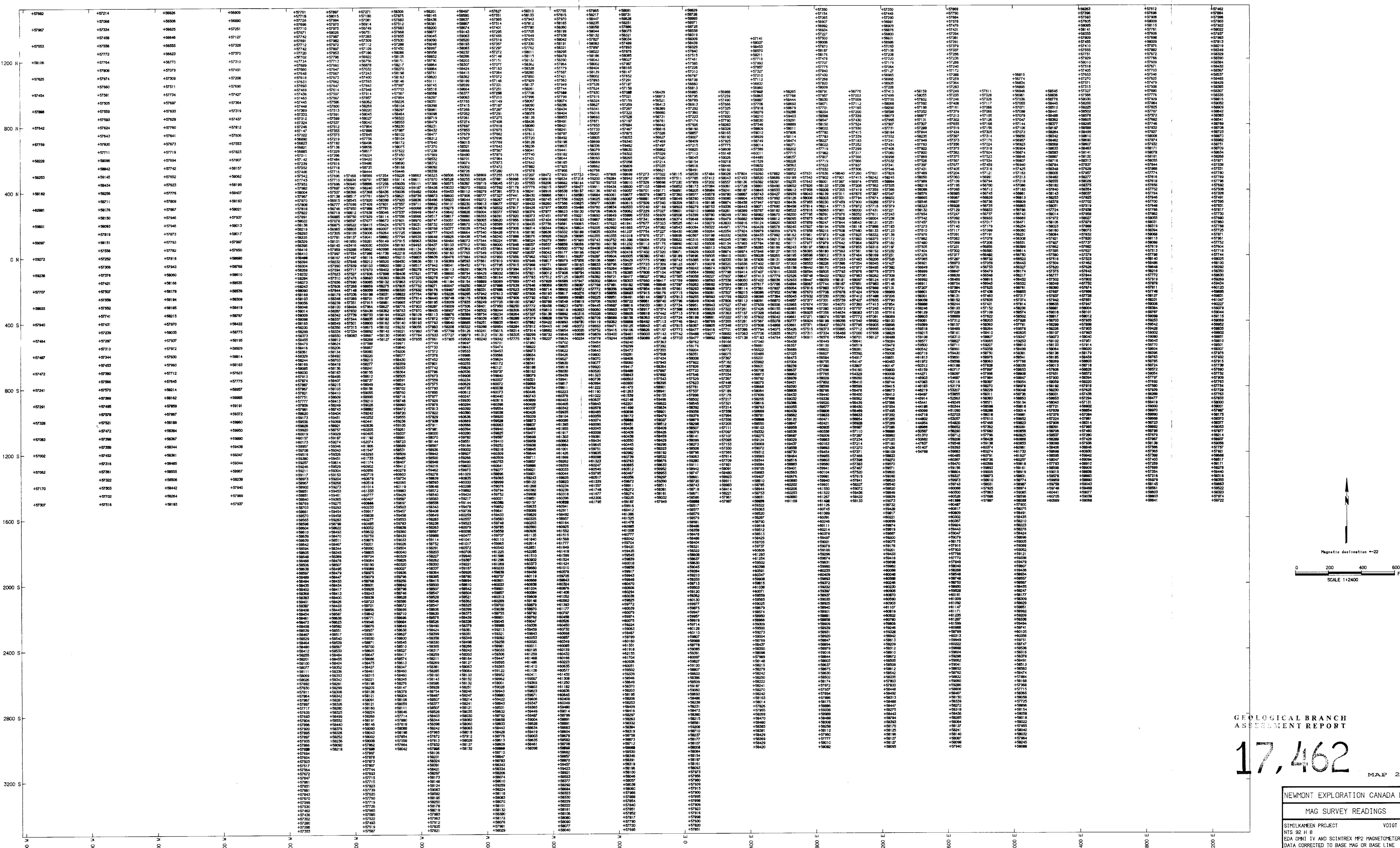
NEWMONT EXPLORATION OF CANADA

IP RESISTIVITY CONTOURS

SIMILKAMEEN PROJECT VOIGT ZONE  
 SIMILKAMEEN M.D. NTS 92H/8  
 CRONE IP RX CRONE IP TX  
 CONTOURS IN OHM-M DATA ARE FILTERED  
 SURVEY JUNE/JULY 1987 PHD/ML/DL  
 SEPT 1987







GEOLOGICAL BRANCH  
ASSESSMENT REPORT

17,462

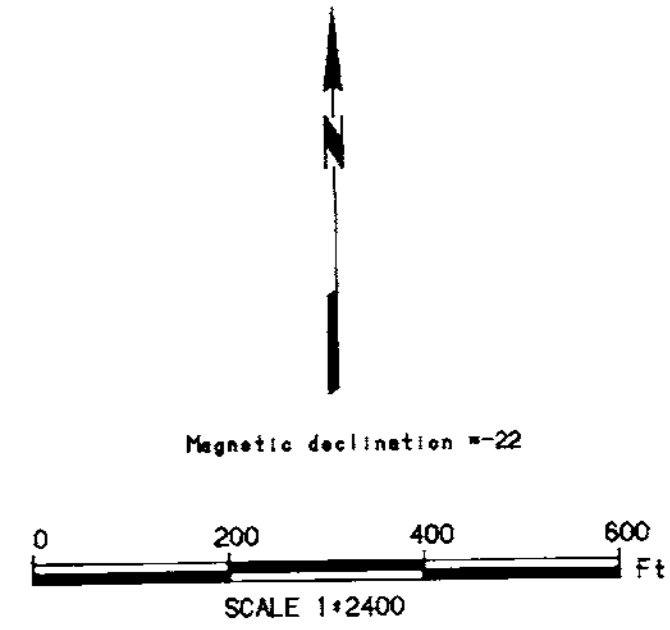
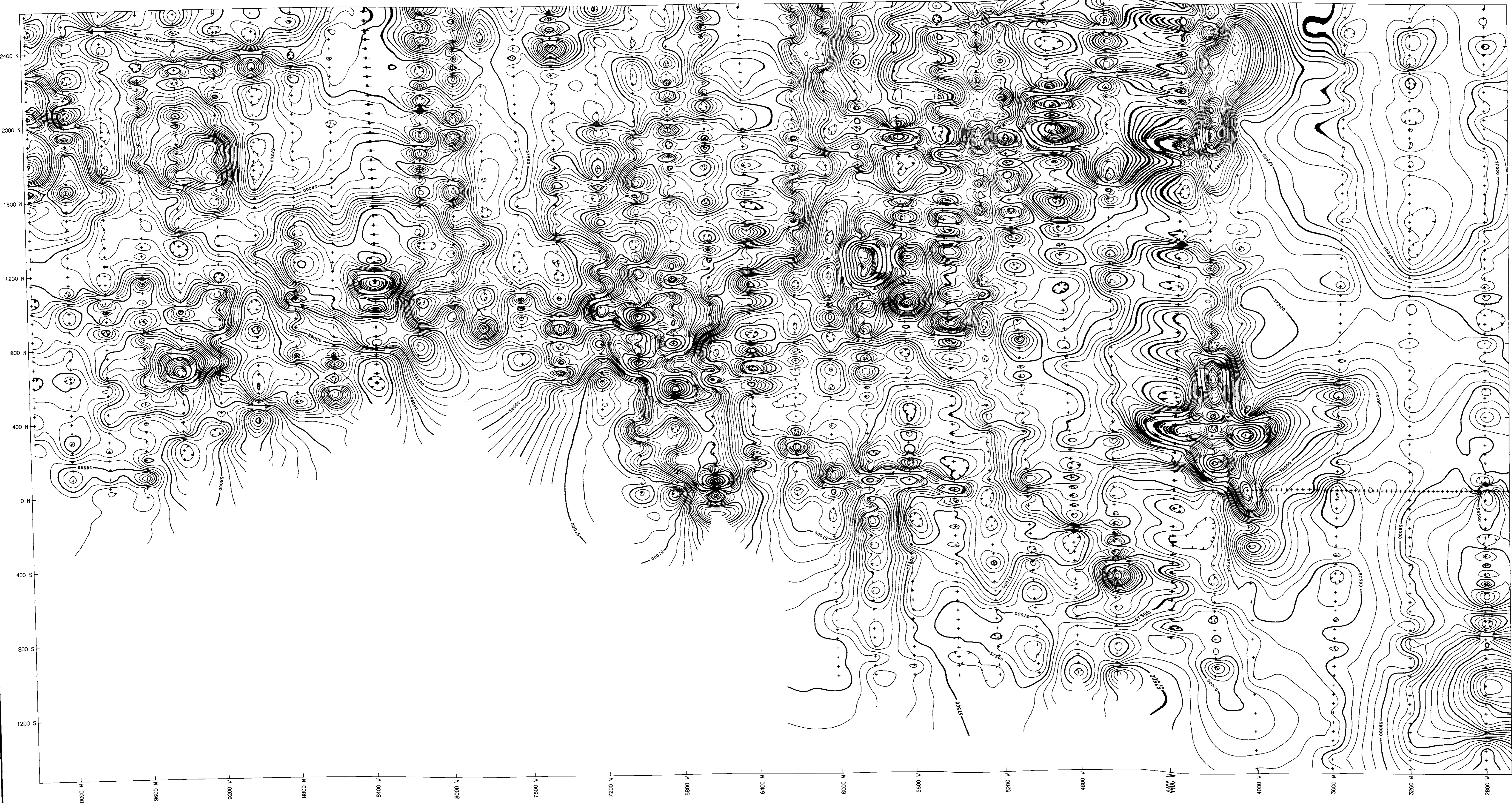
MAP 2

NEWMONT EXPLORATION CANADA LTD

SIMILKAMEN PROJECT VOIGT GRID

NITS 92 H 8

DATA OBTAINED FROM SIMILKAMEN PROJECT  
READINGS IN GAMMAS EAST SHEET '87  
PHD/MS/LN EAST SHEET OF 2 JAN 1988



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

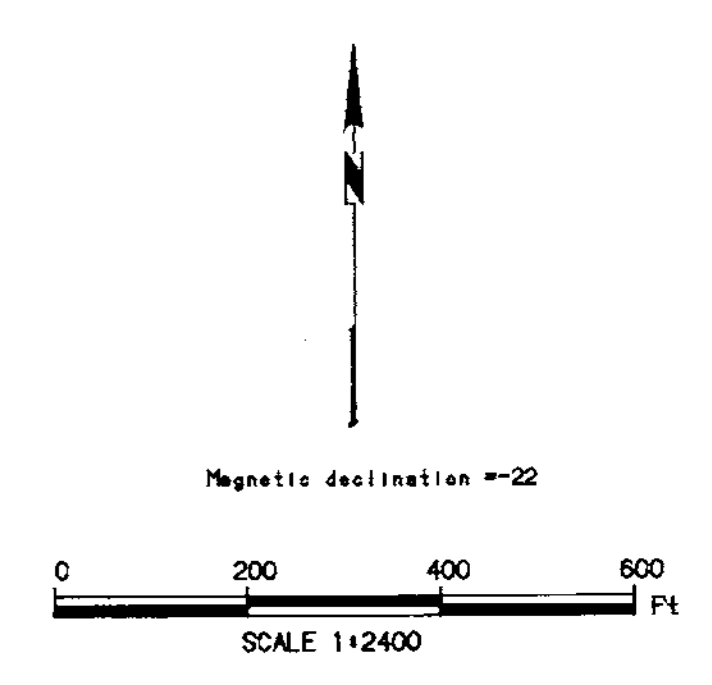
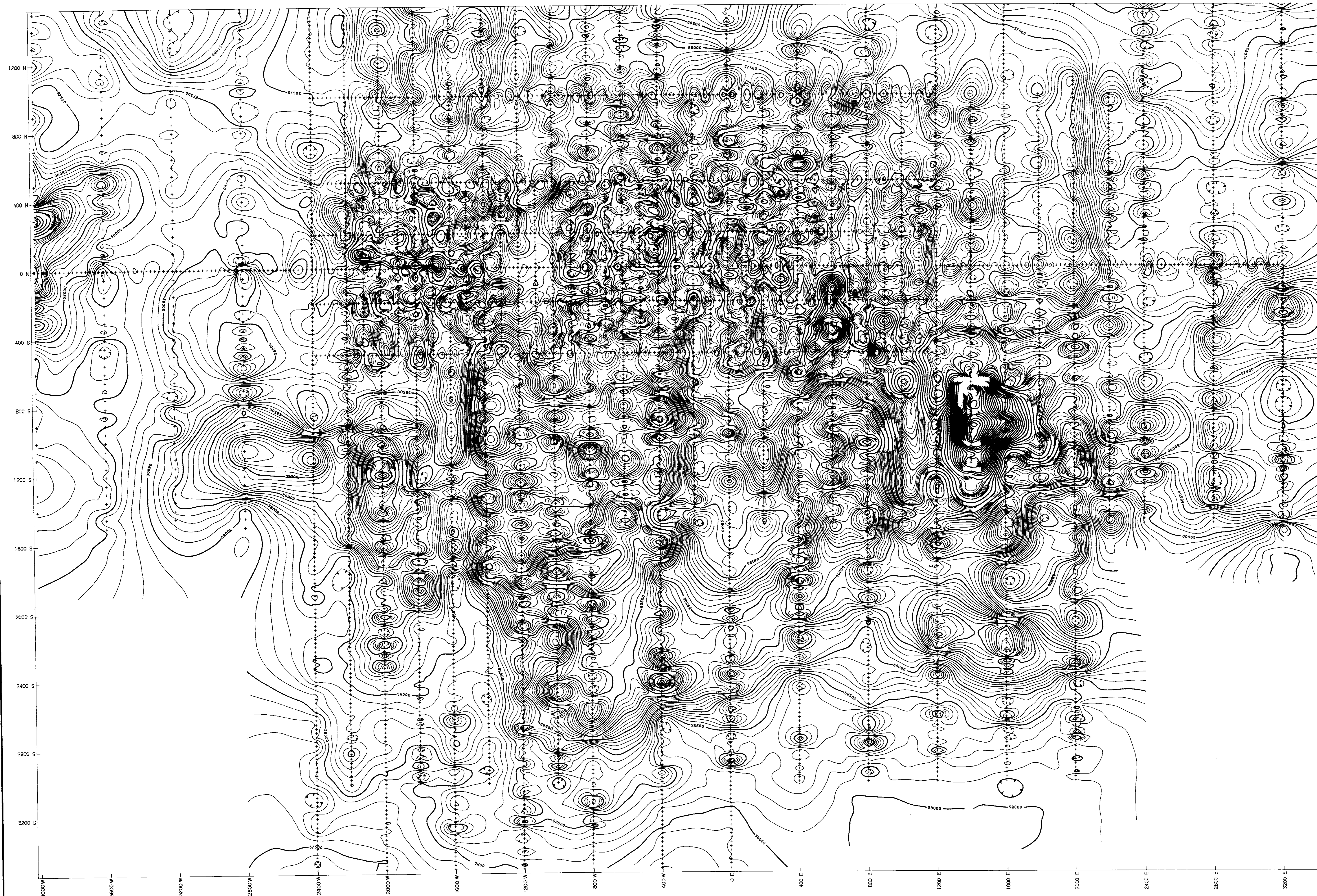
17,462

MAP 3

NEWMONT EXPLORATION CANADA LTD

MAG SURVEY CONTOURS

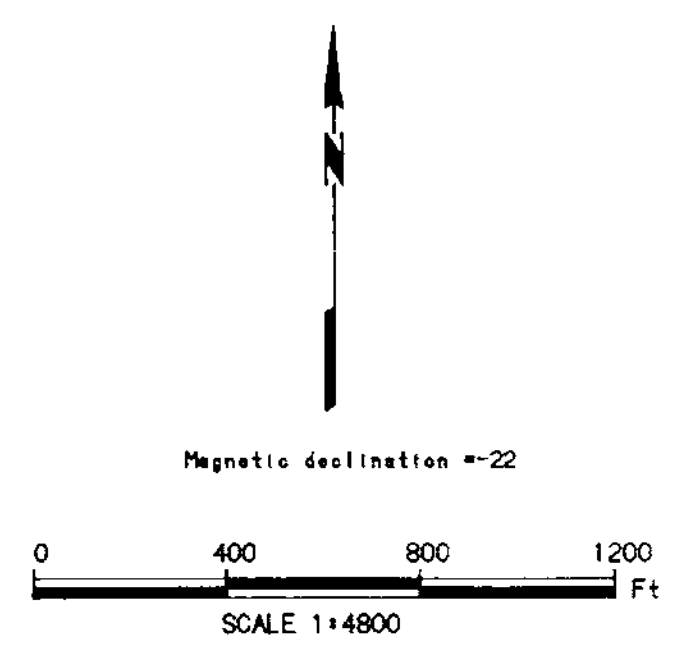
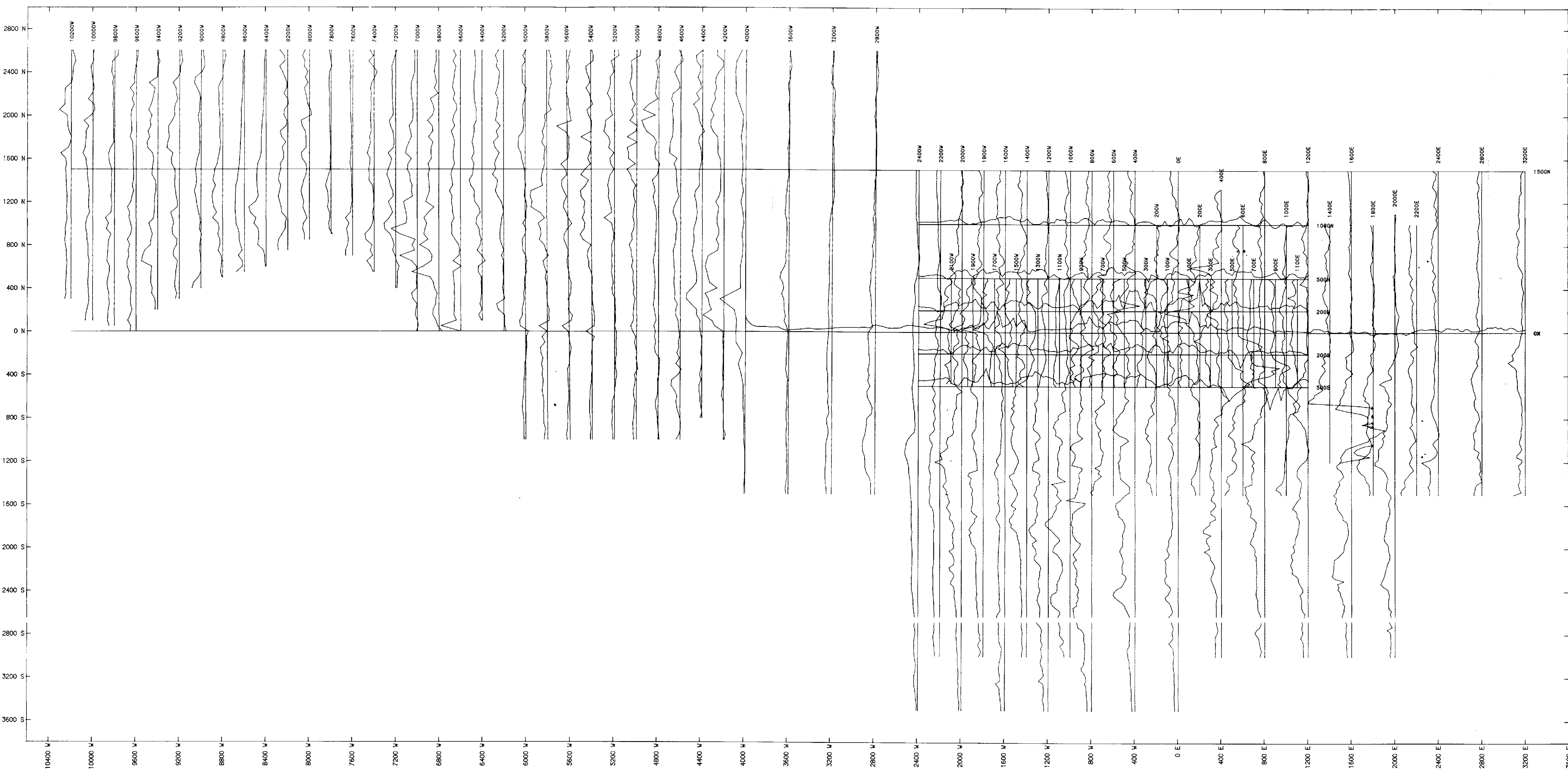
SIMILKAMEEN PROJECT VOIGT GRID  
 NTS 92 H 8  
 DATA OBTAINED BY AND SCINTREX MP2 MAGNETOMETERS  
 DATA CORRECTED TO BASE MAG OR BASE LINE  
 CONTOURS AT 100 GAMMAS SURVEY JUNE-SEPT '87  
 PWD/DL/NS/HL WEST SHEET OF 2 JAN 1988



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

**17,462**  
MAP 4

NEWMONT EXPLORATION CANADA LTD  
MAG SURVEY CONTOURS  
SIMILKAMEEN PROJECT  
NTS S2 H 8  
EDA OPN IV AND SCINTREX MP2 MAGNETOMETERS  
DATA CORRECTED TO BASE MAG OR BASE LINE  
CONTOURS AT 100 GAMMAS SURVEY JUNE-SEPT '87  
PHD/DL/NS/HL EAST SHEET OF 2 JAN 1988



MAP 5

NEWMONT EXPLORATION CANADA LTD  
 MAG SURVEY PROFILES  
 SIMILKAMEEN PROJECT VOIGT GRID  
 NTS 92 H 8  
 EDA OMNI IV AND SCINTREX MP2 MAGNETOMETERS  
 DATA CORRECTED TO BASE MAG OR BASE LINE  
 DATUM 57000 GAMMAS SCALE 1 cm=4000 gammas  
 PHD/DL/NS/HL JAN 1988