827634

LOGISTICAL REPORT

DOWNHOLE INDUCED POLARIZATION SURVEY

LARA PROJECT

VANCOUVER ISLAND, B.C.

on behalf of

MINNOVA INC.
4th floor - 311 Water Street
Vancover, B.C. V6B 1B8

Field work completed: May 19 to 23, 1989

by

Alan Scott, Geophysicist
SCOTT GEOPHYSICS LTD.
4013 West 14th Avenue
Vancouver, B.C. V6R 2X3

May 27, 1989

TABLE OF CONTENTS

		page
1	Introduction	1
2	Survey Location	1
3	Survey Grid and Survey Coverage	1
4	Personnel	2
5	Instrumentation and procedures	2
6	Discussion	2
7	Recommendations	3

1. INTRODUCTION

Downhole induced polarization and resistivity surveys were conducted within five diamond drill holes located on Minnova Inc.'s Lara Project, Vancouver Island, B.C. The work was completed within the period May 19 to 23, 1989, and was performed by Scott Geophysics Ltd.

All holes were logged with both the three array and a directional array.

For the three array, the current electrode was at the bottom of the electrode string, and readings were taken for "a" spacings of 2.5 and 5 meters (n=1). This provides a detailed log of the in-situ chargeabilities and resistivities of material immediately surrounding the borehole.

For the directional array, current electrodes were deployed on the surface at a distance of at least 200 meters to the north, south, east, and west of the collar, with a remote current electrode at least 3 times that distance from the collar. Vertical gradient chargeablility and resistivity measurements were taken for "a" spacings of 20 and/or 40 meters for each of the four active current electrodes.

The objective of the work was to evaluate the effectiveness of the method in defining which particular units could be expected to give chargeability highs (using the near-hole three array results), and in detecting sulphide bodies that may lay a significant distance from the borehole (using the the directional survey results).

2. SURVEY LOCATION

The Lara Project is located some 15 kilometers west southwest of Chemainus, B.C. Access is via a network of logging and mining roads from the main Chemainus River haul road.

3. SURVEY COVERAGE

Five drill holes were logged on the present survey, namely PL-7, PL-8, PL-13, PL-16, and PL-26. Survey details are summarized below:

hole name	azimuth	dip	directional log information
PL-7 (ddh 245)	grid S	52	C1 @ 200m N, S, E, & W; C2 @ 600m N; a=20 & 40
PL-8 (ddh 246)	grid S	68	C1 @ 200m N, S, E, & W; C2 @ 600m N; a=20 & 40
PL-13 (ddh 235)	grid S	50	C1 @ 200m N, S, E, & W; C2 @ 600m E; a=20 & 40
PL-16 (ddh 250)	grid S	68	C1 @ 200m N, S, E, & W; C2 @ 600m E; a=20 & 40
PL-26 (ddh 244)	grid S	62	C1 @ 250m N, S, E, & W; C2 @ 775m N; a=40

4. PERSONNEL

Alan Scott, geophysicist, was the party chief on the survey and operated the IPR11 receiver. Gary Wells, geologist, was the Minnova representative for the survey.

5. INSTRUMENTATION AND PROCEDURES

A Scintrex IPR11 time domain microprocessor based induced polarization receiver was used on the survey, with a Scintrex IPC7 25 watt transmitter for the three array and a Scintrex TSQ4 10 kilowatt transmitter for the directional array. All holes were logged with a proprietary downhole array, and hole PL-7 was relogged with the Scintrex DHIP downhole array.

Readings were taken using a 2 second alternating square wave. The chargeability for the eighth slice (690 to 1050 milliseconds after shutoff; midpoint at 870 milliseconds) is the value that has been plotted on the downhole logs.

The survey data was archived, processed, and plotted using a Sharp PC7000 microcomputer running Scintrex Soft II and proprietary software. All resistivity calculations considered both the active and remote current electrodes in the computations.

5. DISCUSSION

A preliminary examination of the results of the downhole induced polarization survey on the Lara Project indicates that the nearhole three array logs (a=2.5, and 5 meters) defined discrete chargeability highs in all five drill holes.

The directional logs do appear to be detecting zones of high chargeability response away from the borehole, and do show marked differences in amplitude for the four directions surveyed. Note that the strong negative response for the south directional log below 100 meters for PL-16 appears to correlate to the depth where the rods were twisted off in ddh 236, which was drilled at a steeper angle from the same setup. An obvious conclusion to the very strong gradient to positive values at 195 meters is that the rod string ends at that depth, or is broken off again.

As all the holes were drilled grid south, the geometry for the resistivity calculation becomes poorly defined near the depth where the distance from each receiving electrode to the south current is nearly the same. This shows on the logs as a zone of very high (erroneous) resistivities near that critical depth. This could be corrected by running the downdip electrode further away from the collar.

Drill hole PL-26 was directional logged with dipole 1 at a=40 and dipole 2 at a=40. Drill holes PL-7, PL-8, PL-13, and PL-16 were directional logged with dipole 1 at a=20, dipole 2 at a=20, and dipole 3 at n=40. (The depths noted on the data summaries are all for the lowest receiving electrode.) Therefore the data density for the 40 meter directional log is quite poor for all holes except PL-26.

In general, the resolution of the system is determined more by the sampling rate than it is by the electrode separation, although some dilution with the longer spacings is inevitable. Hole PL-26 was logged at 40 meters because of weak signals at the bottom of the hole for the 20 meter separation.

Significantly more high frequency noise was present for this test than that performed at Mount Sicker on behalf of Minnova last fall. (The IPR11 indicates the presence of high frequency noise by displaying "7A1" on the keyboard and refusing to accept such data.) It is probable that the major power line to the southwest is responsible for those high noise levels.

A comparison of the results for the PL-7 logs obtained with both the Scintrex DHIP and proprietary system, indicates substantially the same results for each system, considering the discrepancy in depths for the respective measurements. The three array results for the Scintrex system appear to be a little "cleaner" than the proprietary system, whereas the reverse is true for the directional log. A probable explanation is that the Scintrex system is designed to compensate for the effect of a downhole current electrode whereas the proprietary system is not. While this current compensation appears to improve results for the current downhole three array, it may interfere with measurements when the electrode string is deployed as a receive only directional array.

Subject to a detailed comparison of these results to the geological logs, it would appear that a downhole induced polarization system utilizing the short spacing three array (such as 2.5 and 5 meters) and a directional array at 20 or 40 meters would be a valuable adjunct to diamond drilling on the Lara Project.

Respectfully Submitted,

Alan Scott, Geophysicist

IPR-11 DATA SUMMARY

SURVEY : MINNNOVA - DIRIP PL-7 C1N

INDEX FILE : SGL7C1N.IND
DATA FILE : SGL7C1N.DAT

LINE NO. : 71

Station	Receive Dipole : Mode		M0	M1	M2	M3	M4	M5 mV/V	M6	M7	M8	M9	Vp mV	SP mV	Apparent Resist.
165	2	1	49.5	42.8	41.4	32.8	29.5	22.3	18.6	14.9	12.0	10.1	97.6	-3.	1922.
		2	48.9	43.6	40.2	32.8	29.3	22.1	18.7	14.8	12.0	10.0	97.9	-1.	1734.
		3	58.5	51.1	47.7	39.7	34.8	26.5	22.2	17.8	14.3	11.9	145.4	-153.	1101.
155	2	1	47.4	43.4	39.4	33.2	28.9	21.7	18.3	14.7	11.8	10.0	94.4	-6.	1760.
		2	49.4	46.1	40.4	35.1	30.2	22.7	19.4	15.3	12.2	10.3	94.7	-6.	1588.
		3	66.0	59.3	53.1	46.8	39.6	30.2	25.4	20.3	16.2	13.6	115.4	-10.	818.
140	2	1	49.1	43.2	39.6	33.8	29.3	22.3	18.6	14.9	12.0	9.9	97.4	2.	1674.
		2	65.2	57.4	51.5	45.7	38.7	29.5	24.8	19.9	15.9	13.3	66.8	-8.	1031.
		3	56.3	49.2	44.8	39.1	33.2	25.3	21.1	16.9	13.5	11.2	116.9	-11.	775.
125	2	1	59.3	52.4	48.1	41.8	35.5	27.1	22.7	18.3	14.6	12.2	75.3	-21.	1196.
		2	57.2	51.6	46.4	40.5	34.5	26.1	22.0	17.6	14.0	11.8	70.3	-168.	1008.
		3	50.4	44.3	40.6	35.3	30.1	22.9	19.2	15.4	12.3	10.3	111.1	165.	680.
110	2	1	60.1	53.4	48.8	42.5	36.3	27.7	23.1	18.6	14.9	12.4	71.8	59.	1057.
		2	69.5	62.0	55.0	50.0	41.6	32.0	26.8	21.6	17.3	14.5	43.9	-9.	584.
		3	42.9	37.7	35.0	29.1	25.5	19.2	16.0	12.9	10.3	8.6	136.7	-13.	784.
95	2	1	71.7	61.5	55.9	50.9	41.9	32.4	26.9	21.7	17.3	14.4	51.3	-7.	688.
		2	42.7	36.8	33.2	29.8	24.8	19.1	15.9	12.8	10.2	8.5	64.6	-8.	791.
		3	49.3	22.5	38.1	34.2	28.2	21.7	18.0	14.5	11.5	9.5	135.3	0.	729.
85	2	1	62.9	53.9	49.9	45.1	37.1	28.7	23.9	19.3	15.4	12.8	44.4	191.	567.
		2	42.7	36.6	33.7	29.8	24.8	19.0	15.8	12.7	10.1	8.3	67.4	-7.	787.
75	2	1	42.5	36.1	34.4	28.5	24.9	19.1	15.9	12.9	10.3	8.6	64.6	-7.	788.
		2	44.2	37.5	35.5	29.0	25.5	19.3	16.0	12.9	10.3	8.6	71.4	-6.	799.

IPR-11 DATA SUMMARY

SURVEY : MINNOVA - DIRIP PL-7 C1E

INDEX FILE : SGL7C1E.IND
DATA FILE : SGL7C1E.DAT

LINE NO. : 72

Station	Receive Mode	Dipole :	M0	M1	M2	M3	M4	M5 mV/V	M6	M7	M8	M9	Vp mV	SP mV	Apparent Resist.
170	2	1	20.2	17.0	15.1	13.2	10.6	7.9	6.3	5.0	3.9	3.1	214.5	-5.	6647.
		2	18.9	15.8	13.8	12.1	9.7	7.1	5.7	4.4	3.4	2.8	234.6	-5.	7220.
		3	24.2	20.1	17.9	15.7	12.7	9.4	7.6	5.9	4.6	3.8	331.3	-5.	5405.
165	2	1	19.2	16.8	14.2	12.9	10.2	7.5	6.1	4.8	3.7	3.0	279.2	-5.	7008.
		2	18.3	15.7	13.0	12.0	9.3	6.8	5.5	4.3	3.2	2.7	288.7	-2.	7240.
		3	26.7	23.1	19.7	18.1	14.3	10.6	8.6	6.8	5.2	4.3	369.2	-153.	5009.
155	2	1	18.9	15.5	14.2	11.6	9.7	7.0	5.6	4.4	3.4	2.7	195.0	-6.	6865.
		2	17.8	14.6	13.2	10.7	9.0	6.5	5.2	4.0	3.1	2.5	192.5	-5.	6898.
		3	33.8	28.2	25.4	22.1	18.1	13.5	10.9	8.6	6.8	5.5	229.2	-9.	4613.
140	2	1	17.3	14.3	12.9	10.7	8.8	6.4	5.1	4.0	3.1	2.5	198.8	2.	7042.
		2	29.2	24.3	21.6	18.9	15.4	11.4	9.3	7.3	5.7	4.7	134.9	-9.	5001.
		3	25.1	21.1	19.0	16.3	13.3	9.8	8.0	6.2	4.8	3.9	187.3	-11.	4234.
125	2	1	24.3	20.4	18.1	15.9	12.8	9.4	7.7	6.0	4.6	3.8	153.8	-21.	5607.
		2	30.6	26.1	22.9	20.2	16.4	12.1	9.9	7.8	6.0	4.9	108.4	-169.	4313.
		3	20.0	16.8	15.0	12.9	10.6	7.8	6.4	5.1	4.0	3.3	120.3	166.	3249.
110	2	1	29.1	24.9	22.0	19.2	15.9	11.5	9.5	7.4	5.8	4.8	124.1	58.	4794.
		2	27.8	23.2	20.2	18.4	14.6	10.6	8.7	6.7	5.2	4.2	106.0	-9.	4738.
		3	-9.4	-4.8	-3.3	-8.4	-2.4	-2.9	-1.6	-1.3	-.4	-.1	44.9	-12.	1613.
95	2	1	38.3	31.8	28.5	25.5	20.4	15.2	12.4	9.7	7.6	6.2	107.1	-8.	4581.
		2	4.4	3.6	2.8	1.6	1.6	.7	.8	.4	.3	.3	61.2	-8.	3272.
		3	-90.7	-73.2	-65.6	-67.1	-48.9	-38.4	-30.1	-24.3	-18.4	-14.9	19.8	1.	1156.
85	2	1	21.3	17.3	15.5	13.4	10.6	7.7	6.1	4.7	3.5	2.7	100.7	191.	4726.
		2	7.3	4.6	9.7	3.4	5.6	4.7	3.8	3.8	3.4	3.1	18.7	-7.	1190.

75	2	1	4.1	3.2	4.0	.4	1.7	.7	.6	.4	.3	.3	60.3	-7.	3231.
		2	-47.8	-34.9	-19.3	-38.3	-18.3	-15.8	-11.5	-8.8	-6.0	-3.9	10.9	-6.	870.

IPR-11 DATA SUMMARY

SURVEY : MINNOVA - DIRIP PL-7 C1S

INDEX FILE : SGL7C1S.IND
DATA FILE : SGL7C1S.DAT

LINE NO. : 73

Station	Receive Dipole : Mode		M0	M1	M2	M3	M4	M5 mV/V	M6	M7	M8	M9	Vp mV	SP mV	Apparent Resist.
165	2	1	14.6	12.9	12.6	8.6	8.4	5.9	4.7	3.6	2.7	2.1	128.6	-4.	2356.
		2	9.9	9.1	8.2	5.6	5.6	3.8	3.1	2.2	1.7	1.3	153.1	-2.	11820.
		3	24.8	22.0	20.6	16.1	14.7	10.9	9.0	7.0	5.5	4.6	156.7	-150.	1462.
155	2	1	12.0	9.7	10.6	7.1	6.6	4.6	3.4	2.6	1.9	1.4	138.0	-5.	3958.
		2	8.3	7.2	7.7	4.5	4.7	3.1	2.5	1.8	1.4	1.1	136.0	-5.	14385.
		3	27.7	23.4	22.4	18.3	15.7	11.7	9.4	7.6	5.9	4.8	148.8	-7.	1003.
140	2	1	8.4	7.5	7.8	5.0	5.0	3.3	2.7	1.9	1.4	1.1	121.8	1.	80263.
		2	23.4	20.8	18.7	15.4	13.4	9.7	8.1	6.2	4.9	4.0	71.2	-9.	1993.
		3	10.3	8.8	8.6	5.9	5.5	3.7	3.0	2.2	1.6	1.3	126.4	-12.	750.
125	2	1	15.8	14.9	14.1	10.6	9.7	6.8	5.7	4.4	3.4	2.8	77.9	-20.	2960.
		2	33.2	31.9	28.4	23.4	20.7	15.0	12.7	9.9	7.8	6.6	54.7	-168.	892.
		3	1.1	1.7	1.9	-.2	.7	.0	.0	-.1	-.1	.0	118.9	167.	596.
110	2	1	28.1	26.0	23.3	19.1	17.2	12.5	10.5	8.2	6.6	5.5	63.7	59.	1187.
		2	5.6	5.2	3.8	2.9	2.4	1.2	.9	.5	.2	.1	72.8	-8.	864.
		3	7.1	7.6	7.6	3.4	5.4	3.4	3.1	2.4	2.1	1.8	92.3	-10.	407.
95	2	1	28.2	24.9	22.0	19.1	15.9	11.6	9.5	7.4	5.7	4.7	58.1	-8.	747.
		2	-9.1	-5.7	-6.8	-6.4	-4.9	-4.4	-3.3	-3.0	-2.4	-2.0	66.3	-7.	646.
		3	17.2	17.8	14.3	12.4	10.9	7.7	6.9	5.2	4.1	3.5	96.3	3.	395.
85	2	1	-.9	-1.3	-1.5	-1.8	-1.9	-1.9	-1.8	-1.6	-1.5	-1.3	83.0	190.	909.
		2	3.6	5.2	5.1	3.6	4.0	2.9	2.7	2.0	1.7	1.4	36.3	-7.	325.
75	2	1	-7.3	-7.4	-5.4	-6.9	-5.0	-4.0	-3.6	-2.9	-2.3	-2.0	66.2	-7.	646.
		2	13.7	10.5	11.9	7.4	7.9	5.9	4.7	3.9	3.2	2.7	44.1	-5.	372.

IPR-11 DATA SUMMARY

SURVEY : MINNOVA - DIRIP PL-7 C1W

INDEX FILE : SGL7C1W.IND
DATA FILE : SGL7C1W.DAT

LINE NO. : 74

Station	Receive Mode	Dipole :	M0	M1	M2	M3	M4	M5 mV/V	M6	M7	M8	M9	Vp mV	SP mV	Apparent Resist.
170	2	1	24.2	20.3	18.1	16.1	12.8	9.5	7.8	6.1	4.7	3.9	409.4	-2.	9032.
		2	21.2	17.7	15.4	13.8	10.9	8.0	6.6	5.1	3.9	3.2	399.5	-4.	8734.
		3	24.7	20.6	18.2	16.3	13.0	9.6	7.7	6.1	4.7	3.8	644.3	-4.	7509.
165	2	1	23.0	19.0	17.0	15.2	12.1	9.0	7.3	5.7	4.4	3.6	520.2	-5.	9305.
		2	20.9	17.0	15.1	13.4	10.6	7.8	6.3	4.9	3.8	3.1	494.2	-2.	8836.
		3	24.0	20.0	17.7	15.8	12.5	9.3	7.6	5.9	4.6	3.8	762.0	-150.	7388.
155	2	1	21.3	17.6	15.8	13.8	11.1	8.2	6.5	5.1	4.0	3.1	400.5	-7.	8610.
		2	22.1	18.0	16.1	14.0	11.3	8.3	6.7	5.2	4.0	3.3	397.8	-7.	8711.
		3	34.2	28.7	25.9	23.2	18.8	14.3	11.7	9.4	7.4	6.1	397.3	-10.	4879.
140	2	1	20.7	17.1	15.1	13.5	10.6	7.9	6.3	5.0	3.8	3.1	496.3	-1.	8764.
		2	37.2	31.1	27.7	25.0	20.1	15.3	12.5	10.0	7.8	6.4	325.2	-12.	6026.
		3	21.5	17.7	15.8	14.1	11.2	8.4	6.8	5.4	4.2	3.4	413.8	-14.	4658.
125	2	1	31.2	26.3	23.2	21.0	16.8	12.6	10.3	8.1	6.3	5.2	387.4	-23.	7059.
		2	17.9	14.7	12.9	11.6	9.1	6.7	5.4	4.2	3.2	2.6	376.6	-169.	7482.
		3	13.6	10.9	9.3	8.2	6.4	4.6	3.7	2.8	2.2	1.8	327.0	164.	4382.
110	2	1	26.7	22.5	19.8	18.0	14.3	10.7	8.8	7.0	5.4	4.5	369.7	57.	6934.
		2	111.3	96.7	87.0	80.3	66.1	51.7	43.3	35.4	28.5	24.0	59.4	-9.	1288.
		3	.8	-.3	-.8	-1.2	-1.5	-1.6	-1.5	-1.4	-1.2	-1.0	521.5	-9.	9051.
95	2	1	35.9	30.3	27.3	24.6	20.0	15.3	12.6	10.1	8.0	6.6	171.2	-9.	3542.
		2	3.7	2.3	1.9	1.1	.7	.2	.0	-.1	-.1	-.2	219.6	-7.	5660.
		3	12.6	9.6	8.3	6.9	5.2	3.6	2.7	2.0	1.4	1.1	397.5	2.	11239.
85	2	1	182.9	163.0	147.9	135.1	112.9	88.1	74.1	60.4	48.7	41.0	28.6	189.	649.
		2	-3.5	-3.2	-3.4	-4.0	-3.3	-3.1	-2.7	-2.4	-2.0	-1.7	303.0	-6.	9307.

75	2	1	3.3	2.0	1.3	1.2	.5	.0	.0	-.2	-.3	-.2	224.9	-8.	5837.
		2	1.3	-.2	-.9	-1.0	-1.5	-1.6	-1.6	-1.4	-1.3	-1.1	288.8	-5.	11274.

IPR-11 DATA SUMMARY

SURVEY : MINNOVA - DIRIP (SCINTREX) C1N

INDEX FILE : 7C1N.IND
DATA FILE : 7C1N.DAT

LINE NO. : 71

Station	Receive Dipole : Mode		M0	M1	M2	M3	M4	M5 mV/V	M6	M7	M8	M9	Vp mV	SP mV	Apparent Resist.
170	2	1	46.3	44.4	41.8	30.4	30.6	22.1	18.9	14.9	12.4	10.3	42.9	7.	1666.
		2	46.3	43.7	40.6	30.7	29.9	21.7	18.6	14.7	12.2	10.1	50.5	-1.	1764.
		3	53.8	49.9	46.5	36.2	34.2	25.2	21.4	17.0	14.0	11.6	80.0	-15.	1196.
165	2	1	44.9	44.4	39.9	30.2	29.4	21.2	18.5	14.3	11.7	10.0	44.3	-4.	1645.
		2	45.9	45.1	39.8	31.5	29.6	21.6	18.9	14.7	11.8	10.1	51.5	2.	1726.
		3	54.4	54.4	45.5	39.3	35.1	25.8	22.7	17.5	14.0	11.9	75.7	-252.	1083.
155	2	1	47.7	42.6	40.8	30.4	29.1	21.6	18.3	14.6	11.2	9.5	82.6	-17.	2430.
		2	48.6	44.3	41.4	31.8	30.0	22.2	19.0	15.0	12.4	10.6	52.3	11.	1386.
		3	64.4	60.1	52.1	45.3	39.8	29.9	25.7	20.3	16.4	13.9	62.7	-55.	711.
150	2	1	21.5	17.7	15.5	13.8	11.0	8.1	6.5	5.1	3.9	3.2	66.4	-18.	2322.
		2	22.0	18.2	16.0	14.2	11.3	8.3	6.8	5.3	4.1	3.3	41.5	9.	1306.
		3	31.2	26.1	23.1	20.9	16.9	12.7	10.5	8.3	6.5	5.4	85.4	-17.	1153.
145	2	1	21.4	17.7	15.6	13.7	10.9	8.0	6.4	5.1	3.9	3.2	72.4	2.	2125.
		2	22.7	18.7	16.4	14.5	11.5	8.5	6.8	5.3	4.1	3.3	77.4	-12.	2044.
		3	37.9	32.2	28.8	26.0	21.1	16.1	13.3	10.7	8.4	7.0	77.6	-5.	881.
140	2	1	20.0	16.5	14.9	12.7	10.3	7.5	6.0	4.7	3.6	2.9	73.1	3.	2073.
		2	31.4	25.9	23.4	20.6	16.6	12.5	10.1	8.0	6.2	5.1	33.8	-14.	862.
		3	30.5	25.5	23.2	20.4	16.7	12.6	10.4	8.3	6.6	5.4	68.0	-14.	748.
135	2	1	48.1	45.3	40.0	34.2	30.1	22.4	19.1	15.1	12.1	10.2	46.2	2.	1275.
		2	63.9	57.8	51.5	45.0	38.7	29.1	24.7	19.7	15.8	13.2	37.9	-1.	943.
		3	52.3	49.0	42.4	37.9	32.4	24.2	20.8	16.4	13.2	11.0	67.3	-37.	723.
125	2	1	58.5	55.1	47.7	42.3	36.3	27.0	23.2	18.3	14.8	12.4	36.6	-16.	975.
		2	54.7	54.0	44.6	41.1	34.9	25.7	22.4	17.5	14.0	11.9	40.8	-209.	982.
		3	47.5	45.0	39.2	34.2	29.8	22.1	19.0	15.0	12.1	10.2	64.5	178.	672.

110	2	1	58.3	51.8	47.9	39.5	35.1	26.6	22.3	17.9	14.4	12.1	35.3	10.	856.
		2	70.4	61.4	55.6	49.4	41.6	32.1	26.8	21.6	17.3	14.4	25.7	-10.	565.
		3	41.8	37.7	34.5	27.5	25.2	18.8	15.8	12.6	10.2	8.5	78.8	-42.	759.
95	2	1	77.4	67.2	61.0	54.4	45.4	34.9	29.1	23.4	18.8	15.6	22.6	-4.	511.
		2	40.6	37.9	32.2	29.4	24.7	18.6	15.9	12.5	10.0	8.3	37.7	-34.	779.
		3	46.2	43.4	36.2	33.9	28.1	21.1	18.1	14.2	11.3	9.4	78.4	-20.	719.
85	2	1	57.5	50.1	46.5	39.5	34.3	26.1	21.7	17.3	14.0	11.7	24.9	295.	534.
		2	42.2	35.4	35.1	26.5	24.7	18.6	15.3	12.4	10.1	8.3	39.1	-28.	768.
75	2	1	42.4	37.3	35.7	28.5	25.4	19.0	15.7	12.6	10.1	8.4	31.1	33.	638.
		2	42.3	36.5	36.3	27.6	25.3	18.8	15.5	12.7	10.1	8.4	41.5	-23.	781.
65	2	1	38.8	38.6	31.6	28.9	24.7	18.0	15.8	12.2	9.8	8.3	32.3	-36.	635.
		2	42.2	40.3	33.5	30.7	26.0	19.1	16.6	12.9	10.3	8.6	40.6	5.	737.

IPR-11 DATA SUMMARY

SURVEY : MINNOVA - DIRIP (SCINTREX) C1E

INDEX FILE : 7C1E.IND
DATA FILE : 7C1E.DAT

LINE NO. : 72

Station	Receive Dipole : Mode		M0	M1	M2	M3	M4	M5 mV/V	M6	M7	M8	M9	Vp mV	SP mV	Apparent Resist.
170	2	1	20.1	16.6	14.9	12.8	10.4	7.5	6.1	4.8	3.7	3.0	131.0	8.	5865.
		2	19.3	15.7	13.9	12.1	9.7	7.0	5.7	4.4	3.4	2.8	160.8	-1.	6987.
		3	24.2	19.8	17.8	15.6	12.5	9.2	7.5	5.8	4.6	3.7	228.3	-15.	5363.
165	2	1	18.6	15.8	14.2	11.5	9.8	7.0	5.7	4.4	3.4	2.8	137.3	-3.	5840.
		2	18.2	15.3	13.5	11.2	9.4	6.7	5.4	4.2	3.2	2.6	164.0	2.	7007.
		3	26.3	22.8	20.0	17.3	14.3	10.4	8.6	6.7	5.2	4.3	209.7	-250.	5051.
155	2	1	19.5	15.8	14.0	12.4	9.8	7.1	5.7	4.5	3.4	2.8	186.0	-16.	5895.
		2	17.6	14.3	12.6	11.2	8.8	6.4	5.1	4.0	3.0	2.5	227.3	10.	7332.
		3	34.6	29.0	25.6	23.3	18.6	13.9	11.4	8.9	7.0	5.7	266.9	-55.	4835.
150	2	1	19.0	15.8	13.7	12.3	9.6	7.0	5.6	4.4	3.3	2.7	197.2	-11.	6172.
		2	17.8	14.8	12.7	11.5	9.0	6.6	5.2	4.1	3.1	2.5	202.4	4.	6490.
		3	31.4	26.4	23.1	21.0	16.6	12.4	10.1	7.9	6.1	5.0	267.4	-18.	4929.
145	2	1	17.4	14.5	12.6	11.1	8.8	6.4	5.1	4.0	3.0	2.4	196.0	2.	6150.
		2	24.5	20.4	17.9	15.9	12.8	9.4	7.6	6.0	4.6	3.7	174.6	-15.	5647.
		3	26.4	22.1	19.3	17.3	13.8	10.2	8.3	6.5	5.0	4.1	234.7	-7.	4503.
140	2	1	17.1	13.9	12.7	10.6	8.5	6.1	4.9	3.8	2.9	2.3	192.9	4.	6221.
		2	28.9	23.7	21.3	18.7	15.1	11.2	9.1	7.2	5.6	4.5	151.5	-11.	5124.
		3	25.2	20.9	18.9	16.4	13.2	9.7	7.9	6.2	4.7	3.9	209.1	-20.	4284.
135	2	1	16.5	14.3	11.9	10.7	8.5	6.1	5.0	3.8	2.9	2.3	175.4	3.	5637.
		2	30.7	25.9	22.5	20.3	16.2	12.0	9.9	7.7	6.0	4.9	135.8	-3.	4641.
		3	25.4	22.0	18.6	17.0	13.5	9.9	8.2	6.3	4.9	4.0	186.4	-39.	3986.
125	2	1	25.8	20.9	18.6	16.7	13.1	9.8	7.8	6.2	4.7	3.8	143.6	-13.	4599.
		2	31.1	25.2	22.8	20.3	16.1	12.1	9.7	7.7	6.0	4.9	120.4	-210.	4225.
		3	20.8	16.4	14.9	13.3	10.4	7.9	6.3	5.1	3.9	3.2	133.0	178.	3160.

110	2	1	28.7	24.4	21.8	19.1	15.5	11.4	9.3	7.3	5.7	4.7	109.1	13.	3810.
		2	28.1	23.5	20.5	18.5	14.5	10.7	8.6	6.8	5.2	4.2	116.0	-10.	4689.
		3	-9.5	-5.9	-3.7	-7.5	-3.2	-2.9	-1.8	-1.3	-.6	-.3	49.2	-42.	1593.
95	2	1	40.6	34.4	30.1	27.4	21.7	16.3	13.2	10.4	8.1	6.6	95.3	-1.	3689.
		2	3.5	3.4	1.7	1.6	1.0	.5	.4	.2	.1	.1	66.6	-34.	3214.
		3	-99.8	-76.0	-74.3	-65.7	-52.0	-39.8	-31.2	-25.1	-19.4	-15.3	21.4	-17.	1124.
85	2	1	9.2	6.9	5.7	4.7	3.3	2.1	1.4	1.0	.6	.4	89.6	297.	3812.
		2	5.5	3.9	7.3	3.2	5.0	4.4	3.8	3.7	3.4	3.0	19.7	-32.	1127.
80	2	1	.0	-.5	.0	-2.4	-1.2	-1.4	-1.3	-1.2	-1.0	-.9	68.6	39.	3151.
		2	-16.7	-11.8	.2	-17.1	-3.2	-2.8	-1.7	-.6	.6	1.0	14.8	-27.	959.
70	2	1	15.3	19.0	16.9	10.0	11.9	7.9	7.5	5.8	4.8	4.4	26.6	-29.	1436.
		2	-175.6	-127.2	-103.9	-122.0	-77.5	-62.0	-46.9	-37.4	-27.4	-20.5	7.1	-1.	627.

IPR-11 DATA SUMMARY

SURVEY : MINNOVA - DIRIP (SCINTREX) C1S

INDEX FILE : 7C1S.IND
DATA FILE : 7C1S.DAT

LINE NO. : 73

Station	Receive Dipole : Mode		M0	M1	M2	M3	M4	M5 mV/V	M6	M7	M8	M9	Vp mV	SP mV	Apparent Resist.
170	2	1	18.9	25.6	19.0	12.0	12.8	8.4	9.5	6.4	5.3	5.1	27.8	8.	1030.
		2	-16.7	-41.3	-26.4	-13.2	-22.8	-11.8	-14.6	-9.0	-7.4	-8.0	-13.0	-2.	1283.
		3	29.2	4.9	12.0	20.4	8.0	10.4	4.8	6.2	4.7	2.7	-24.4	-17.	672.
145	2	1	-24.4	-2.9	-16.2	-10.8	-7.1	-7.8	-4.1	-5.3	-4.1	-2.8	25.1	3.	3976.
		2	-35.4	-1.7	-24.9	-14.2	-9.2	-10.4	-4.4	-6.7	-5.0	-3.3	12.3	-14.	781.
		3	-3.6	1.6	-3.6	-1.8	-1.6	-2.2	-1.2	-1.7	-1.4	-1.0	80.9	-8.	907.
140	2	1	16.6	13.6	12.4	10.3	8.3	5.9	4.7	3.6	2.8	2.2	24.1	4.	27166.
		2	28.5	23.5	21.2	18.5	15.0	11.1	9.0	7.1	5.5	4.5	18.9	-9.	890.
		3	24.7	20.5	18.5	15.9	12.9	9.5	7.7	6.0	4.6	3.8	52.6	-22.	532.
135	2	1	16.4	14.2	11.9	10.5	8.4	6.0	4.9	3.8	2.8	2.3	21.9	3.	4638.
		2	30.7	25.9	22.5	20.3	16.2	12.0	9.9	7.8	6.0	5.0	17.0	-1.	634.
		3	25.3	21.9	18.5	16.9	13.5	9.9	8.1	6.3	4.9	4.0	93.2	-38.	870.
125	2	1	25.7	20.8	18.5	16.6	13.0	9.7	7.8	6.1	4.7	3.8	17.9	-12.	1129.
		2	31.3	25.6	23.0	20.5	16.3	12.2	9.8	7.8	6.1	4.9	3.8	-210.	103.
		3	20.6	16.2	14.7	13.1	10.3	7.8	6.2	5.0	3.9	3.1	66.7	177.	557.
110	2	1	28.8	24.6	21.8	19.1	15.5	11.5	9.3	7.4	5.7	4.7	13.6	12.	423.
		2	28.0	23.4	20.4	18.4	14.5	10.7	8.6	6.7	5.2	4.2	58.0	-9.	1152.
		3	-9.5	-5.9	-3.8	-7.5	-3.2	-2.9	-1.9	-1.3	-.7	-.3	49.3	-44.	363.
95	2	1	19.0	16.2	14.1	11.6	9.5	6.6	5.3	3.9	2.8	2.2	29.0	1.	628.
		2	-29.3	-24.2	-23.3	-21.2	-17.4	-13.9	-11.3	-9.4	-7.5	-6.2	52.8	-32.	866.
		3	8.6	10.3	6.1	7.2	5.5	3.7	3.5	2.5	1.9	1.6	69.1	-16.	477.
85	2	1	-18.0	-16.7	-15.5	-15.1	-12.8	-10.5	-9.1	-7.5	-6.2	-5.2	71.0	299.	1320.
		2	-25.8	-23.2	-17.6	-19.3	-13.4	-9.9	-8.2	-6.2	-4.6	-3.7	19.2	-31.	290.

80	2	1	-34.2	-30.9	-27.1	-27.1	-21.6	-17.5	-14.8	-12.2	-9.7	-8.3	55.6	41.	971.
		2	-5.3	-7.0	-1.2	-7.9	-3.1	-3.0	-2.8	-1.8	-1.1	-.9	26.7	-31.	392.
70	2	1	-24.6	-13.0	-12.2	-19.1	-8.8	-8.6	-5.8	-5.3	-3.6	-2.7	22.3	-24.	349.
		2	-4.1	.7	1.2	-7.0	.4	-1.3	-.2	-.7	.0	.0	28.7	-5.	398.

IPR-11 DATA SUMMARY

SURVEY : MINNOVA - DIRIP (SCINTREX) C1W

INDEX FILE : 7C1W.IND
DATA FILE : 7C1W.DAT

LINE NO. : 74

Station	Receive Dipole : Mode		M0	M1	M2	M3	M4	M5 mV/V	M6	M7	M8	M9	Vp mV	SP mV	Apparent Resist.
170	2	1	23.7	19.7	17.9	15.2	12.5	9.2	7.4	5.9	4.6	3.7	199.2	8.	7820.
		2	21.1	17.4	15.7	13.3	10.9	8.0	6.4	5.1	3.9	3.2	219.9	-2.	8928.
		3	24.5	20.3	18.3	15.8	12.8	9.5	7.7	6.1	4.7	3.8	354.3	-18.	7633.
155	2	1	21.4	17.5	15.3	13.7	10.9	8.0	6.5	5.1	3.9	3.2	266.6	-14.	6865.
		2	21.7	17.8	15.6	14.0	11.1	8.1	6.6	5.1	3.9	3.2	331.7	9.	8711.
		3	30.9	25.9	22.9	20.8	16.7	12.6	10.4	8.2	6.4	5.3	342.9	-56.	5056.
150	2	1	21.1	17.4	15.3	13.5	10.6	7.9	6.3	4.9	3.8	3.1	291.5	-8.	7297.
		2	22.1	18.1	15.9	14.0	11.1	8.2	6.5	5.1	3.9	3.1	310.0	3.	7963.
		3	37.6	31.9	28.6	25.7	20.8	15.9	13.1	10.5	8.3	6.9	311.3	-18.	4585.
145	2	1	19.9	16.3	14.8	12.6	10.1	7.4	5.9	4.7	3.6	2.9	293.4	4.	7513.
		2	31.0	25.6	23.1	20.3	16.4	12.3	9.9	7.9	6.1	5.0	269.6	-15.	7140.
		3	30.3	25.2	22.9	20.2	16.5	12.5	10.2	8.2	6.4	5.3	271.8	-8.	4241.
140	2	1	20.4	17.1	14.8	13.3	10.4	7.7	6.1	4.8	3.7	3.0	307.1	6.	7747.
		2	37.0	31.0	27.6	25.0	20.1	15.3	12.5	10.0	7.8	6.4	230.9	-8.	6067.
		3	21.2	17.8	15.5	14.0	11.1	8.3	6.7	5.3	4.1	3.4	292.5	-23.	4683.
135	2	1	21.4	17.7	15.7	13.9	11.0	8.1	6.5	5.1	3.9	3.1	285.1	4.	7292.
		2	34.5	28.6	25.4	22.9	18.4	13.8	11.3	9.0	7.0	5.8	224.0	-2.	6062.
		3	17.1	14.2	12.5	11.1	8.9	6.5	5.3	4.2	3.2	2.7	270.5	-39.	4589.
125	2	1	32.6	27.0	24.0	21.5	17.3	12.9	10.6	8.3	6.5	5.3	225.5	-12.	5849.
		2	18.7	15.2	13.4	11.8	9.4	6.9	5.6	4.3	3.3	2.7	261.9	-210.	7394.
		3	12.8	9.8	8.6	7.3	5.7	4.1	3.2	2.5	1.9	1.6	227.8	176.	4352.
110	2	1	23.1	18.9	16.8	15.1	11.9	8.9	7.2	5.7	4.4	3.6	220.7	12.	5950.
		2	105.2	89.9	81.5	75.1	61.8	48.5	40.5	33.1	26.7	22.4	44.3	-10.	1382.
		3	.3	-1.1	-1.3	-1.7	-1.9	-1.9	-1.8	-1.6	-1.4	-1.3	359.5	-44.	8972.

95	2	1	51.7	44.1	39.6	35.9	29.4	22.7	18.8	15.3	12.2	10.2	71.1	0.	2125.
		2	3.6	2.7	1.9	1.1	.7	.1	.0	-.1	-.2	-.2	150.9	-33.	5602.
		3	11.3	9.2	7.6	6.3	4.8	3.2	2.4	1.7	1.2	.9	274.6	-18.	11111.
85	2	1	112.9	98.4	89.4	81.5	67.4	52.5	43.9	35.7	28.6	24.2	37.8	297.	1241.
		2	-3.1	-3.8	-3.7	-4.4	-3.8	-3.4	-3.0	-2.6	-2.2	-1.9	209.8	-32.	9237.
80	2	1	19.3	15.8	14.1	12.2	9.8	7.2	5.8	4.5	3.5	2.9	107.2	42.	3690.
		2	-1.9	-2.9	-2.9	-3.6	-3.4	-3.2	-2.9	-2.5	-2.2	-1.9	210.5	-31.	10375.
70	2	1	-7.2	-6.5	-6.7	-6.4	-5.7	-4.9	-4.2	-3.6	-3.0	-2.5	163.2	-22.	6381.
		2	6.7	4.9	3.3	2.7	1.7	.7	.4	.1	.0	.0	174.2	-8.	11112.

IPR-11 DATA SUMMARY

SURVEY : MINNOVA - DIRIP PL-8 C1N

INDEX FILE : SGL8C1N.IND
DATA FILE : SGL8C1N.DAT

LINE NO. : 81

Station	Receive Dipole : Mode		M0	M1	M2	M3	M4	M5 mV/V	M6	M7	M8	M9	Vp mV	SP mV	Apparent Resist.
205	2	1	51.5	45.6	40.8	36.3	30.6	23.3	19.5	15.6	12.4	10.2	93.7	2.	1974.
		2	57.1	50.2	45.1	40.3	34.0	26.0	21.8	17.6	14.1	11.9	106.7	-87.	2050.
		3	58.7	50.9	46.0	41.2	34.4	26.4	22.0	17.7	14.2	11.8	173.8	35.	1473.
190	2	1	55.2	48.1	43.7	38.7	32.6	24.8	20.8	16.7	13.4	11.1	117.2	-69.	2278.
		2	48.5	43.5	38.4	34.9	29.2	22.2	18.8	15.0	12.0	10.0	94.9	30.	1709.
		3	69.1	60.2	54.2	49.1	40.7	31.2	26.1	21.0	16.7	13.9	135.4	8.	1076.
175	2	1	50.4	42.1	41.0	34.8	29.6	22.9	18.8	15.4	12.3	10.2	98.1	-31.	1801.
		2	58.7	49.8	47.2	40.6	34.4	26.4	21.7	17.7	14.1	11.8	97.1	-15.	1642.
		3	52.8	43.9	42.7	36.2	30.8	23.9	19.6	16.1	12.9	10.7	107.7	13.	810.
165	2	1	45.8	39.7	35.9	32.4	27.0	20.8	17.4	14.0	11.2	9.4	86.9	37.	1530.
		2	73.0	62.8	56.3	51.4	42.3	32.5	27.0	21.7	17.3	14.4	87.1	-21.	1417.
		3	40.6	34.9	31.7	27.9	23.6	18.1	15.1	12.2	9.8	8.2	118.0	26.	854.
160	2	1	50.4	44.6	40.6	35.9	30.1	23.2	19.3	15.6	12.4	10.4	92.3	-5.	1591.
		2	88.5	76.0	68.3	62.4	51.0	39.5	32.8	26.5	21.1	17.6	60.8	-228.	968.
		3	35.4	30.8	28.7	24.0	20.7	15.8	13.2	10.7	8.5	7.2	130.3	231.	943.
155	2	1	57.9	50.6	45.7	40.9	34.2	26.2	21.8	17.6	14.0	11.6	96.7	-4.	1634.
		2	102.5	88.9	79.8	73.6	60.2	46.7	38.9	31.4	25.0	20.9	42.6	-172.	666.
		3	31.2	28.1	25.3	21.3	18.7	14.0	11.8	9.4	7.6	6.3	141.8	182.	1014.
150	2	1	64.6	56.4	50.6	46.0	37.8	29.1	24.2	19.5	15.5	12.9	96.6	2.	1602.
		2	81.6	71.5	63.8	58.8	48.4	37.6	31.5	25.4	20.4	17.0	39.0	2.	598.
		3	33.4	30.4	26.5	23.5	19.8	14.9	12.6	10.0	8.0	6.7	138.8	7.	970.
145	2	1	71.9	62.1	56.2	50.6	41.8	32.2	26.8	21.5	17.1	14.2	86.8	-12.	1413.
		2	56.5	50.0	44.9	40.3	34.1	26.4	22.2	17.9	14.4	12.0	42.8	22.	648.
		3	38.7	33.9	30.5	26.2	22.5	17.0	14.3	11.4	9.1	7.6	139.4	13.	976.

140	2	1	86.7	74.7	67.5	61.6	50.6	39.1	32.3	26.1	20.7	17.3	60.2	-213.	961.
		2	31.0	29.3	24.1	23.6	19.4	14.8	12.8	10.2	8.2	6.9	54.0	222.	804.
		3	42.0	37.6	32.0	30.1	24.5	18.5	15.6	12.4	9.8	8.2	137.9	12.	950.
135	2	1	101.5	88.0	79.4	73.1	59.8	46.4	38.6	31.2	24.9	20.7	42.2	-161.	663.
		2	20.5	18.0	15.2	14.9	11.9	9.1	7.8	6.2	5.0	4.1	66.2	173.	972.
		3	46.5	40.0	35.1	32.8	26.4	20.2	16.8	13.4	10.6	8.8	132.5	17.	911.
125	2	1	55.6	48.6	45.0	39.3	33.6	26.0	21.7	17.7	14.2	11.9	42.7	33.	637.
		2	31.1	27.0	25.1	20.2	18.1	13.6	11.4	9.1	7.3	6.1	76.1	-1.	1076.
		3	55.3	47.5	43.5	37.7	31.8	24.2	20.1	16.1	12.8	10.6	110.9	12.	743.
115	2	1	19.7	16.9	17.4	11.6	12.1	9.1	7.5	6.1	5.1	4.2	66.6	188.	966.
		2	42.7	36.7	34.4	28.0	24.9	18.7	15.5	12.4	10.0	8.3	76.3	0.	1051.
		3	60.4	51.6	47.3	40.9	34.6	26.2	21.7	17.4	13.8	11.4	90.5	-18.	605.
105	2	1	30.7	26.8	25.6	19.3	18.1	13.4	11.2	8.9	7.2	6.0	76.1	6.	1072.
		2	48.5	42.9	39.1	33.0	28.7	21.7	18.2	14.5	11.6	9.7	63.8	4.	864.
		3	57.5	49.6	44.8	39.6	32.9	25.0	20.7	16.6	13.1	10.9	78.3	10.	527.
100	2	1	37.3	33.9	30.2	24.9	22.1	16.4	13.9	11.0	8.8	7.4	77.8	8.	1086.
		2	48.3	44.0	38.1	33.7	28.6	21.4	18.1	14.3	11.3	9.5	60.5	1.	813.
		3	53.8	47.0	41.8	37.6	31.1	23.7	19.7	15.8	12.4	10.3	87.8	2.	594.
90	2	1	45.7	37.5	37.4	29.6	26.1	19.9	16.2	13.3	10.6	8.8	67.4	12.	919.
		2	59.3	50.1	47.3	39.8	34.0	25.8	21.2	17.0	13.5	11.1	53.0	-112.	706.
		3	51.9	44.4	40.9	36.3	30.3	23.5	19.4	15.6	12.4	10.3	86.6	25.	599.
80	2	1	48.1	42.3	38.5	33.3	28.4	21.3	17.8	14.2	11.3	9.4	59.7	9.	804.
		2	70.6	61.2	55.0	49.3	40.7	30.8	25.6	20.4	16.1	13.4	40.1	-18.	534.
70	2	1	59.9	50.4	46.9	40.8	34.1	26.0	21.3	17.1	13.5	11.1	52.0	-63.	694.
		2	67.3	57.8	51.8	46.8	38.3	29.3	24.2	19.4	15.4	12.7	29.1	68.	390.

IPR-11 DATA SUMMARY

SURVEY : MINNOVA - DIRIP PL-8 C1E

INDEX FILE : SGL8C1E.IND
DATA FILE : SGL8C1E.DAT

LINE NO. : 82

Station	Receive Dipole : Mode		M0	M1	M2	M3	M4	M5 mV/V	M6	M7	M8	M9	Vp mV	SP mV	Apparent Resist.
205	2	1	18.5	15.3	13.6	11.5	9.3	6.7	5.3	4.2	3.2	2.5	237.3	2.	6198.
		2	21.3	17.5	15.7	13.6	11.0	8.2	6.6	5.2	4.0	3.2	279.8	-90.	6964.
		3	9.0	6.9	6.0	4.9	3.7	2.5	1.8	1.4	.9	.7	568.4	36.	6857.
190	2	1	20.7	17.4	15.3	13.3	10.8	7.9	6.3	4.9	3.8	3.1	298.5	-69.	7508.
		2	11.3	9.4	8.0	6.9	5.5	3.8	3.1	2.3	1.7	1.4	281.4	29.	6836.
		3	17.8	14.7	12.7	11.0	8.7	6.3	5.0	3.8	2.9	2.3	435.6	11.	5285.
175	2	1	13.7	11.0	9.9	8.6	6.7	4.9	3.8	3.0	2.3	1.8	276.6	-31.	6768.
		2	12.8	10.0	8.8	7.6	5.8	4.1	3.2	2.4	1.8	1.4	297.2	-13.	7133.
		3	40.5	33.5	30.3	27.1	21.7	16.4	13.3	10.6	8.3	6.8	210.2	14.	2606.
165	2	1	7.8	6.1	5.2	4.3	3.3	2.2	1.6	1.2	.8	.6	266.5	37.	6422.
		2	10.0	7.7	6.5	5.5	4.1	2.7	2.0	1.4	.9	.7	302.1	-20.	7253.
		3	120.1	102.4	92.7	83.1	68.2	52.2	43.1	34.6	27.5	22.8	86.1	25.	1108.
160	2	1	9.3	7.8	6.5	5.6	4.3	3.0	2.3	1.7	1.3	1.0	285.8	-6.	6886.
		2	12.8	10.2	8.5	7.5	5.6	3.8	2.9	2.1	1.5	1.2	282.9	-226.	6826.
		3	345.0	305.5	279.2	253.3	219.0	173.9	146.0	119.2	96.2	80.5	17.5	228.	228.
155	2	1	12.7	10.0	8.8	7.5	5.8	4.1	3.1	2.4	1.7	1.3	296.7	-1.	7133.
		2	8.8	6.7	5.6	4.6	3.3	2.1	1.5	1.0	.6	.4	205.1	-171.	4969.
		3	267.2	238.4	221.5	200.8	169.6	136.2	114.2	93.7	75.4	63.4	23.4	180.	315.
150	2	1	12.7	9.8	8.4	7.6	5.6	3.9	3.0	2.2	1.6	1.2	304.3	5.	7317.
		2	31.9	26.3	23.3	21.4	16.7	12.5	10.1	7.9	6.1	5.0	130.2	2.	3175.
		3	253.5	220.4	198.1	182.3	149.3	115.9	96.7	78.4	62.7	52.5	26.5	8.	368.
145	2	1	10.0	7.5	6.4	5.5	3.9	2.6	1.9	1.3	.9	.6	301.3	-11.	7253.
		2	84.6	71.8	64.4	58.5	47.1	35.8	29.4	23.4	18.4	15.2	73.3	21.	1814.
		3	136.6	117.1	107.4	96.2	79.9	61.9	51.6	42.0	33.8	28.3	39.2	12.	563.

140	2	1	13.0	10.1	8.5	7.5	5.6	3.8	2.9	2.1	1.5	1.1	281.4	-212.	6788.
		2	475.0	419.8	381.5	357.9	287.5	210.7	168.6	127.9	98.7	81.1	.2	153.	4.
		3	91.7	81.1	72.7	65.9	54.8	42.7	36.1	29.5	23.8	20.3	40.3	10.	602.
135	2	1	9.1	6.3	5.4	4.7	3.2	1.9	1.4	.9	.5	.3	204.3	-159.	4931.
		2	481.4	429.7	393.4	367.2	307.2	236.7	194.3	154.5	122.8	101.2	4.6	171.	118.
		3	34.4	30.5	28.4	24.4	21.7	17.0	14.7	12.3	10.3	9.0	42.0	18.	657.
125	2	1	85.0	72.1	65.2	58.5	47.5	36.1	29.6	23.6	18.6	15.3	72.2	33.	1787.
		2	218.3	195.4	188.4	162.3	140.7	109.8	92.8	75.7	60.8	51.4	12.1	-2.	322.
		3	-35.9	-30.7	-24.5	-27.3	-19.3	-14.8	-11.8	-9.1	-6.7	-5.2	43.5	13.	761.
100	2	1	192.2	196.9	162.1	146.4	128.7	94.9	84.2	66.0	53.5	46.0	15.0	7.	404.
		2	10.0	22.1	11.0	12.2	11.8	7.4	8.6	6.0	5.0	4.9	25.3	0.	816.
		3	-198.9	-154.0	-147.3	-133.9	-105.3	-82.7	-65.7	-53.6	-42.0	-33.9	13.0	3.	366.
90	2	1	63.9	77.0	51.4	53.6	45.0	32.5	31.0	23.1	18.8	16.7	19.0	12.	555.
		2	-120.6	-92.2	-93.3	-80.3	-65.4	-51.1	-39.9	-33.0	-25.7	-20.6	22.5	-112.	825.
		3	89.4	44.7	61.5	41.5	33.3	26.6	17.3	16.3	12.5	9.5	-6.8	26.	275.
80	2	1	8.0	9.4	13.3	.8	7.9	5.5	5.1	4.4	4.0	3.8	24.5	11.	791.
		2	-134.9	-114.3	-101.7	-99.2	-77.0	-60.0	-49.2	-39.6	-31.1	-25.5	17.8	-18.	775.

IPR-11 DATA SUMMARY

SURVEY : MINNOVA - DIRIP PL-8 C1S

INDEX FILE : SGL8C1S.IND
DATA FILE : SGL8C1S.DAT

LINE NO. : 83

Station	Receive Dipole : Mode		M0	M1	M2	M3	M4	M5 mV/V	M6	M7	M8	M9	Vp mV	SP mV	Apparent Resist.
205	2	1	12.7	11.0	10.6	7.5	7.1	4.8	4.0	3.0	2.4	1.9	90.5	4.	1240.
		2	20.8	17.7	16.7	13.2	11.8	8.5	7.1	5.5	4.4	3.6	97.8	-88.	1403.
		3	10.0	7.9	7.9	5.3	5.1	3.4	2.7	2.0	1.5	1.2	145.9	38.	1273.
190	2	1	18.4	16.7	14.5	11.9	10.4	7.5	6.2	4.8	3.7	3.0	109.9	-70.	1540.
		2	8.3	8.7	6.3	5.6	4.8	3.3	2.8	2.0	1.6	1.3	87.8	28.	1357.
		3	13.6	12.6	10.4	8.7	7.4	5.2	4.3	3.2	2.4	2.0	98.9	11.	1067.
175	2	1	11.6	11.5	9.9	7.6	7.0	4.9	4.0	3.1	2.4	2.0	93.1	-31.	1398.
		2	8.5	9.4	7.2	5.4	5.1	3.3	2.8	1.9	1.4	1.2	79.8	-12.	1394.
		3	-.9	1.6	1.3	-1.5	.5	-.1	.1	.0	.0	.1	56.5	17.	838.
165	2	1	2.2	2.0	1.5	1.2	1.0	.4	.4	.2	.1	.1	78.5	37.	1242.
		2	19.0	16.0	13.7	12.5	9.7	6.9	5.7	4.2	3.2	2.6	68.6	-20.	1335.
		3	-.1	1.6	.3	.0	.5	.0	.5	.2	.2	.4	53.7	28.	1103.
160	2	1	4.4	3.8	3.9	1.5	2.3	1.3	1.0	.7	.5	.4	79.3	-6.	1321.
		2	17.9	14.2	12.3	10.5	8.5	5.9	4.6	3.4	2.5	2.0	41.6	-226.	886.
		3	4.6	3.7	6.4	-.2	3.4	2.1	1.9	1.6	1.6	1.4	60.2	231.	1595.
155	2	1	9.7	8.1	7.8	5.5	4.9	3.3	2.6	2.0	1.4	1.1	80.1	1.	1382.
		2	24.9	21.3	18.6	16.8	13.4	9.8	8.0	6.2	4.7	3.8	24.6	-171.	562.
		3	-1.7	-.6	1.1	-3.7	.0	-.3	.0	.0	.3	.3	61.0	182.	2219.
150	2	1	14.8	12.8	12.0	8.7	7.9	5.5	4.4	3.3	2.5	2.1	79.6	6.	1453.
		2	10.1	10.6	8.7	6.4	6.3	4.4	4.0	3.0	2.5	2.3	20.1	3.	510.
		3	-2.5	1.0	3.5	-4.0	1.1	.0	.6	.5	.6	.9	53.6	10.	3263.
145	2	1	18.8	15.2	14.2	11.1	9.4	6.8	5.3	4.0	3.0	2.3	68.4	-11.	1321.
		2	1.2	1.0	2.3	-1.4	.9	.4	.4	.3	.4	.3	22.3	22.	639.
		3	6.0	4.4	7.6	1.0	4.3	3.2	2.4	2.0	1.8	1.5	52.2	13.	9933.

140	2	1	17.6	13.7	12.4	11.0	8.3	5.8	4.5	3.3	2.4	1.8	41.3	-212.	851.
		2	-2.9	-1.8	-2.2	-1.4	-1.0	-.8	-.3	-.3	-.1	.0	29.3	223.	964.
		3	11.2	10.4	8.5	8.2	6.7	4.9	4.4	3.4	2.8	2.4	51.2	13.	8176.
135	2	1	24.5	20.6	18.4	16.5	13.0	9.6	7.7	6.0	4.5	3.6	24.3	-159.	546.
		2	-16.4	-13.8	-13.6	-11.0	-9.4	-7.1	-5.6	-4.4	-3.3	-2.7	32.7	171.	1295.
		3	14.3	12.9	10.1	10.6	8.1	6.2	5.3	4.2	3.4	2.8	48.1	18.	2688.
125	2	1	-1.4	1.8	1.8	-1.4	.9	.0	.5	.3	.4	.4	27.3	34.	626.
		2	-4.2	3.4	1.2	-2.9	1.0	-.5	.6	.1	.3	.5	38.8	-1.	2216.
		3	14.6	19.2	16.5	10.8	12.3	8.2	7.7	5.9	4.9	4.3	41.8	13.	827.
115	2	1	-19.8	-12.2	-10.0	-16.7	-8.2	-7.6	-5.2	-4.5	-3.2	-2.3	40.3	188.	1295.
		2	12.7	17.4	15.2	6.5	10.8	6.7	6.9	4.9	4.2	3.9	34.6	0.	10011.
		3	9.8	14.9	14.0	4.8	9.5	5.6	5.9	4.1	3.5	3.3	24.0	-17.	305.
70	2	1	14.1	19.3	14.1	10.3	10.5	6.4	6.2	4.3	3.4	3.1	21.0	-61.	642.
		2	45.6	31.4	32.2	28.1	21.2	16.2	11.0	8.9	5.9	3.8	-5.3	68.	90.

IPR-11 DATA SUMMARY

SURVEY : MINNOVA - DIRIP PL-8 C1W

INDEX FILE : SGL8C1W.IND
DATA FILE : SGL8C1W.DAT

LINE NO. : 84

Station	Receive Dipole : Mode		M0	M1	M2	M3	M4	M5 mV/V	M6	M7	M8	M9	Vp mV	SP mV	Apparent Resist.
205	2	1	24.0	20.1	17.9	15.8	12.6	9.3	7.6	6.0	4.6	3.8	401.6	3.	7259.
		2	27.7	23.2	20.6	18.5	14.9	11.2	9.1	7.2	5.6	4.6	438.8	-89.	7586.
		3	31.8	26.5	23.7	21.1	17.0	12.8	10.4	8.3	6.5	5.4	705.4	35.	5896.
190	2	1	26.0	21.6	19.2	17.3	13.7	10.3	8.3	6.5	5.1	4.1	494.6	-70.	8569.
		2	18.4	15.3	13.6	12.2	9.7	7.3	5.9	4.7	3.6	3.0	365.5	28.	6115.
		3	42.3	35.7	31.8	29.0	23.3	17.7	14.6	11.6	9.2	7.6	563.5	9.	4716.
175	2	1	18.5	15.5	13.5	12.5	9.8	7.4	6.0	4.7	3.7	3.0	373.1	-31.	6309.
		2	28.9	24.0	21.0	19.3	15.2	11.4	9.3	7.3	5.7	4.7	409.3	-12.	6795.
		3	7.4	5.7	4.6	4.3	3.2	2.3	1.8	1.4	1.1	.8	520.9	18.	4472.
165	2	1	14.4	12.1	10.6	9.4	7.4	5.5	4.4	3.5	2.7	2.2	345.3	38.	5742.
		2	48.7	41.1	36.5	33.2	26.6	20.2	16.5	13.2	10.3	8.5	363.0	-22.	6013.
		3	-15.8	-14.3	-13.3	-12.5	-10.5	-8.4	-7.1	-5.8	-4.6	-3.9	601.3	32.	5341.
160	2	1	20.3	17.4	15.2	13.7	10.9	8.1	6.6	5.2	4.0	3.3	380.4	-7.	6321.
		2	77.5	65.6	58.5	53.6	43.3	33.2	27.4	22.0	17.4	14.4	245.1	-228.	4073.
		3	-22.3	-20.0	-18.6	-17.3	-14.5	-11.5	-9.7	-7.9	-6.4	-5.3	675.9	235.	6132.
155	2	1	28.4	24.0	21.0	19.1	15.2	11.4	9.3	7.3	5.7	4.7	409.1	0.	6795.
		2	100.5	86.2	77.2	71.0	57.7	44.5	36.8	29.7	23.6	19.6	176.6	-173.	2959.
		3	-26.5	-23.5	-21.9	-20.4	-17.1	-13.6	-11.4	-9.3	-7.5	-6.3	735.8	185.	6835.
150	2	1	36.8	30.8	27.4	25.0	19.9	14.9	12.2	9.7	7.6	6.2	404.2	5.	6642.
		2	55.3	47.2	42.5	39.0	31.8	24.6	20.4	16.5	13.1	11.0	162.4	2.	2716.
		3	-22.1	-20.2	-18.6	-17.4	-14.7	-11.8	-9.9	-8.2	-6.6	-5.5	722.7	16.	6846.
145	2	1	48.3	40.6	36.2	33.1	26.5	20.1	16.5	13.1	10.3	8.5	363.0	-14.	5975.
		2	7.8	6.3	5.6	5.2	4.3	3.3	2.8	2.2	1.8	1.5	192.4	21.	3249.
		3	-15.8	-14.9	-14.0	-13.1	-11.2	-9.1	-7.7	-6.4	-5.2	-4.4	683.6	16.	6704.

140	2	1	75.7	64.9	58.1	53.4	43.1	33.1	27.3	21.9	17.3	14.4	243.6	-215.	3998.
		2	-25.6	-22.2	-20.4	-18.8	-15.6	-12.2	-10.2	-8.2	-6.6	-5.5	275.9	223.	4745.
		3	-9.5	-9.1	-8.9	-8.5	-7.6	-6.3	-5.5	-4.6	-3.8	-3.3	638.2	14.	6510.
135	2	1	99.1	85.3	76.8	70.5	57.3	44.3	36.7	29.6	23.5	19.5	175.4	-162.	2883.
		2	-39.6	-34.9	-31.7	-29.4	-24.3	-19.0	-15.9	-12.9	-10.3	-8.6	351.2	174.	6144.
		3	1.5	.0	-.3	-.7	-1.2	-1.4	-1.5	-1.4	-1.3	-1.2	565.3	18.	6035.
125	2	1	6.3	5.5	5.0	4.3	3.6	2.8	2.4	1.9	1.5	1.3	192.6	34.	3210.
		2	-27.0	-24.4	-22.4	-21.1	-17.6	-14.0	-11.7	-9.6	-7.8	-6.5	414.0	-11.	7517.
		3	30.6	25.3	22.2	19.8	15.6	11.5	9.2	7.2	5.5	4.4	375.6	12.	4463.
115	2	1	-40.0	-35.1	-31.7	-29.6	-24.3	-19.0	-15.9	-12.9	-10.3	-8.6	354.7	191.	6065.
		2	-14.2	-13.3	-12.4	-12.2	-10.4	-8.5	-7.3	-6.0	-4.9	-4.2	389.4	2.	7428.
		3	82.2	69.8	62.5	56.7	45.7	34.7	28.3	22.5	17.6	14.4	197.5	-18.	2708.
105	2	1	-26.7	-24.3	-22.2	-20.7	-17.5	-13.9	-11.7	-9.6	-7.7	-6.5	413.2	8.	7308.
		2	1.4	.0	-.4	-.7	-1.3	-1.5	-1.5	-1.4	-1.2	-1.1	271.1	3.	5568.
		3	220.3	188.1	168.9	154.7	125.1	95.8	78.7	62.9	49.5	40.7	83.3	7.	1385.
100	2	1	-19.9	-17.8	-16.8	-15.9	-13.5	-10.8	-9.2	-7.6	-6.2	-5.2	409.3	11.	7481.
		2	9.7	7.7	6.1	5.2	3.6	2.3	1.5	1.0	.6	.3	229.3	1.	4950.
		3	480.7	431.3	390.1	357.7	289.9	222.4	183.3	146.9	115.8	95.6	36.4	0.	692.
90	2	1	-7.9	-7.8	-7.7	-7.6	-6.7	-5.7	-5.0	-4.2	-3.5	-3.0	324.2	13.	6338.
		2	82.0	70.3	62.7	57.2	46.1	35.0	28.6	22.7	17.6	14.4	135.5	-114.	3313.
80	2	1	11.7	8.8	7.6	6.3	4.5	2.9	2.1	1.4	1.0	.6	224.9	10.	4848.
		2	190.4	157.8	147.2	134.7	109.1	83.7	68.7	54.8	43.0	35.3	59.5	-15.	1751.
70	2	1	84.8	72.2	65.4	59.2	47.9	36.4	29.7	23.6	18.4	15.0	130.5	-62.	3197.

IPR-11 DATA SUMMARY

SURVEY : MINNOVA - DIRIP PL-13 C1N

INDEX FILE : SGL13C1N.IND
DATA FILE : SGL13C1N.DAT

LINE NO. : 131

Station	Receive Dipole : Mode		M0	M1	M2	M3	M4	M5 mV/V	M6	M7	M8	M9	Vp mV	SP mV	Apparent Resist.
150	2	1	78.3	69.8	63.7	54.3	47.0	35.4	29.6	23.5	18.7	15.4	32.1	20.	973.
		2	81.6	72.1	64.3	55.9	47.8	35.8	30.0	23.7	18.9	15.5	29.4	-21.	797.
		3	74.7	65.5	58.7	51.3	43.4	32.7	27.3	21.6	17.2	14.1	76.0	-5.	880.
140	2	1	83.1	72.8	67.4	57.8	48.9	37.0	30.6	24.5	19.3	15.8	32.1	17.	904.
		2	76.1	68.3	60.6	52.9	44.6	33.3	28.0	22.1	17.4	14.3	30.8	-21.	780.
		3	70.3	62.2	56.0	49.2	41.2	31.2	26.1	20.8	16.4	13.6	90.4	-4.	980.
125	2	1	84.8	74.8	67.7	59.1	50.2	37.9	31.8	25.5	20.4	17.0	27.8	13.	724.
		2	84.1	75.3	66.3	59.1	49.6	37.2	31.3	24.9	19.7	16.4	34.8	-14.	814.
		3	58.3	51.8	45.8	39.9	33.8	25.1	21.1	16.7	13.3	11.1	125.6	-9.	1262.
110	2	1	87.9	76.1	70.2	59.8	50.7	38.5	31.7	25.3	20.0	16.7	30.6	12.	734.
		2	65.4	57.2	52.2	44.6	38.4	29.3	24.4	19.5	15.6	13.0	41.6	-13.	901.
		3	64.2	54.8	49.9	43.5	36.2	27.6	22.7	18.2	14.5	12.0	158.6	-14.	1480.
95	2	1	68.6	62.4	55.0	49.2	41.1	31.0	26.0	20.8	16.5	14.0	41.8	15.	977.
		2	62.1	56.4	48.4	44.3	36.5	27.5	23.2	18.4	14.6	12.4	56.3	-9.	1189.
		3	72.4	62.0	55.1	51.0	41.0	31.5	25.8	20.8	16.5	13.8	336.4	-14.	3120.
80	2	1	61.1	52.2	47.2	42.3	34.9	26.8	22.2	17.9	14.2	11.8	50.3	12.	1073.
		2	58.3	49.1	43.8	38.8	31.3	23.4	19.1	15.2	12.0	9.9	76.8	-3.	1489.
65	2	1	60.0	50.1	46.2	39.3	32.7	24.4	20.0	16.0	12.7	10.5	72.4	15.	1438.
		2	75.1	64.9	57.7	53.4	43.1	33.1	27.5	22.0	17.5	14.6	154.8	-4.	2821.

IPR-11 DATA SUMMARY

SURVEY : MINNOVA - DIRIP PL-13 C1E

INDEX FILE : SGL13C1E.IND
DATA FILE : SGL13C1E.DAT

LINE NO. : 132

Station	Receive Dipole Mode		M0	M1	M2	M3	M4	M5 mV/V	M6	M7	M8	M9	Vp mV	SP mV	Apparent Resist.
150	2	1	70.1	60.0	53.8	49.2	39.7	30.4	25.1	20.0	15.8	13.1	172.3	19.	2510.
		2	75.6	63.9	57.0	52.2	42.0	32.0	26.3	20.9	16.5	13.6	165.4	-22.	2430.
		3	70.6	59.5	53.0	48.3	38.7	29.4	24.1	19.2	15.1	12.4	383.9	-8.	3140.
140	2	1	77.0	66.1	59.1	53.6	43.4	33.1	27.1	21.7	17.1	14.1	120.6	16.	2477.
		2	71.1	60.6	53.8	48.8	39.4	30.0	24.5	19.6	15.4	12.7	119.9	-21.	2549.
		3	69.7	59.2	52.6	47.7	38.5	29.2	24.0	19.1	15.0	12.4	288.5	-6.	3551.
125	2	1	74.6	63.8	56.8	51.7	41.7	31.8	26.0	20.8	16.3	13.4	119.3	13.	2486.
		2	83.5	71.2	63.4	57.8	46.6	35.5	29.1	23.3	18.3	15.1	125.6	-14.	2760.
		3	65.6	55.4	48.9	44.4	35.5	26.8	21.9	17.4	13.6	11.2	319.9	-9.	4464.
110	2	1	80.2	68.4	60.7	55.8	44.6	33.9	27.9	22.2	17.5	14.4	119.5	14.	2556.
		2	63.3	53.5	47.3	43.5	34.8	26.4	21.7	17.3	13.7	11.3	158.5	-11.	3791.
		3	50.6	42.2	37.2	34.1	26.9	20.2	16.5	13.1	10.2	8.4	464.9	-10.	7845.
95	2	1	70.3	59.9	53.8	48.6	39.3	29.9	24.5	19.6	15.4	12.7	153.9	15.	3508.
		2	67.3	56.6	50.6	45.5	36.5	27.6	22.5	17.9	14.0	11.5	175.5	-9.	4708.
		3	36.5	30.3	26.5	23.9	18.7	13.8	11.1	8.7	6.6	5.4	1276.0	-14.	28933.
80	2	1	58.7	49.3	43.8	39.7	31.7	24.0	19.6	15.6	12.2	10.0	159.4	12.	4117.
		2	74.9	62.7	55.4	50.0	39.6	29.6	24.0	19.0	14.8	12.1	149.4	-3.	4949.
65	2	1	73.1	61.4	54.6	49.5	39.5	29.9	24.4	19.5	15.3	12.6	177.1	14.	5385.
		2	35.0	29.1	25.5	23.1	18.1	13.4	10.7	8.4	6.5	5.2	647.2	-6.	29096.

IPR-11 DATA SUMMARY

SURVEY : MINNOVA - DIRIP PL-13 C1S

INDEX FILE : SGL13C1S.IND
DATA FILE : SGL13C1S.DAT

LINE NO. : 133

Station	Receive Dipole : Mode		M0	M1	M2	M3	M4	M5 mV/V	M6	M7	M8	M9	Vp mV	SP mV	Apparent Resist.
150	2	1	10.6	9.2	7.8	7.1	5.5	4.0	3.1	2.4	1.8	1.4	237.3	21.	20679.
		2	15.3	12.8	10.8	9.9	7.6	5.5	4.3	3.4	2.5	2.0	177.1	-20.	13540.
		3	35.2	29.3	25.5	23.2	18.3	13.6	10.9	8.6	6.6	5.3	312.7	-4.	3465.
140	2	1	23.5	19.8	17.4	15.5	12.2	8.8	7.1	5.4	4.1	3.2	215.7	17.	290794.
		2	15.2	12.4	10.5	9.3	7.2	5.0	4.0	3.0	2.2	1.7	152.5	-20.	6109.
		3	40.1	33.7	29.7	26.9	21.4	15.9	13.0	10.2	7.8	6.4	332.6	-5.	3107.
125	2	1	18.8	15.3	13.4	10.2	9.3	6.9	5.4	4.2	3.2	2.6	160.7	13.	8438.
		2	43.5	35.9	31.7	28.8	22.6	16.8	13.5	10.5	8.1	6.5	162.8	-13.	3947.
		3	40.2	33.0	29.2	26.5	20.8	15.5	12.5	9.8	7.6	6.2	352.2	-8.	2783.
110	2	1	41.2	34.5	30.2	27.2	21.4	15.7	12.6	9.8	7.5	6.0	149.4	14.	4073.
		2	29.3	24.7	21.7	19.6	15.7	11.7	9.6	7.5	5.8	4.7	165.0	-10.	2985.
		3	48.8	40.9	36.0	32.5	25.9	19.4	15.7	12.4	9.7	7.9	334.3	-9.	2364.
95	2	1	39.7	33.2	29.6	26.8	21.2	15.9	12.9	10.1	7.8	6.4	179.9	15.	3508.
		2	38.8	32.1	28.6	25.7	20.4	15.3	12.4	9.7	7.6	6.2	172.7	-10.	2639.
		3	49.8	41.8	36.7	33.7	26.8	20.2	16.6	13.1	10.3	8.5	461.5	-12.	3109.
80	2	1	32.3	27.4	24.2	21.7	17.4	13.1	10.6	8.4	6.5	5.3	167.5	12.	2693.
		2	53.9	45.0	39.4	35.1	27.7	20.4	16.4	12.9	9.9	8.1	161.7	-4.	2260.
65	2	1	48.4	39.6	35.2	31.3	24.5	18.2	14.5	11.4	8.8	7.1	191.2	14.	2731.
		2	49.1	41.9	37.4	34.3	27.5	21.0	17.2	13.7	10.8	8.9	211.8	-5.	2835.

IPR-11 DATA SUMMARY

SURVEY : MINNOVA - DIRIP PL-13 C1W

INDEX FILE : SGL13C1W.IND
DATA FILE : SGL13C1W.DAT

LINE NO. : 134

Station	Receive Dipole : Mode		M0	M1	M2	M3	M4	M5 mV/V	M6	M7	M8	M9	Vp mV	SP mV	Apparent Resist.
150	2	1	41.9	35.5	31.4	28.3	22.5	16.9	13.6	10.7	8.3	6.7	362.0	18.	8993.
		2	41.0	34.2	30.1	27.0	21.4	15.9	12.8	10.0	7.7	6.3	345.9	-21.	8700.
		3	60.0	50.2	44.3	40.0	31.9	23.9	19.5	15.3	11.9	9.7	608.7	-8.	8466.
140	2	1	44.7	37.2	33.1	29.9	23.6	17.5	14.2	11.1	8.6	6.9	434.2	14.	9002.
		2	33.2	26.6	23.2	20.7	15.9	11.4	9.0	6.9	5.2	4.1	504.6	-22.	10772.
		3	80.1	67.5	60.4	55.2	44.5	33.9	27.9	22.3	17.5	14.4	608.7	-12.	7517.
125	2	1	42.6	35.5	31.2	28.1	22.1	16.4	13.2	10.4	8.0	6.5	417.7	11.	8701.
		2	61.1	51.0	45.0	40.8	32.3	24.2	19.7	15.5	12.0	9.8	349.0	-14.	7750.
		3	60.1	51.1	45.7	41.7	33.8	26.0	21.4	17.2	13.5	11.2	691.7	-11.	9641.
110	2	1	51.2	42.2	36.9	33.5	26.2	19.3	15.5	12.1	9.3	7.5	427.7	12.	9296.
		2	74.1	62.4	55.5	50.8	40.8	31.1	25.6	20.4	16.0	13.2	297.7	-13.	7211.
		3	111.7	97.8	89.5	83.3	69.6	55.4	46.8	38.4	31.1	26.2	117.4	-10.	2005.
95	2	1	72.6	60.9	54.1	49.0	39.4	29.8	24.4	19.4	15.2	12.5	304.8	12.	7215.
		2	73.3	63.3	57.0	52.2	42.7	33.0	27.4	22.1	17.5	14.6	287.8	-12.	8050.
		3	39.3	32.3	28.4	25.8	20.1	14.9	12.0	9.3	7.1	5.7	-1776.0	0.	41615.
80	2	1	70.6	59.9	53.4	48.7	39.3	29.9	24.6	19.6	15.5	12.7	331.8	10.	8771.
		2	30.0	25.6	22.9	20.9	17.1	13.2	10.9	8.7	6.9	5.7	473.3	-3.	16112.
65	2	1	52.1	44.5	40.1	37.0	30.4	23.7	19.7	15.9	12.7	10.6	291.4	13.	9117.
		2	37.5	31.5	27.7	25.0	19.7	14.6	11.8	9.3	7.1	5.8	-1013.0	-1.	46270.

IPR-11 DATA SUMMARY

SURVEY : MINNOVA - DIRIP PL-16 C1N

INDEX FILE : SGL16C1N.IND
DATA FILE : SGL16C1N.DAT

LINE NO. : 161

Station	Receive Dipole : Mode		M0	M1	M2	M3	M4	M5 mV/V	M6	M7	M8	M9	Vp mV	SP mV	Apparent Resist.
220	2	1	56.0	51.4	47.1	37.1	33.6	24.5	20.8	16.3	13.0	10.8	22.4	2.	698.
		2	63.0	58.9	49.7	44.3	37.2	27.3	23.3	18.0	14.3	11.9	33.3	-23.	946.
		3	74.1	67.7	59.5	53.4	45.0	34.1	28.9	23.0	18.4	15.4	59.6	9.	741.
210	2	1	58.9	51.7	46.7	39.7	33.8	25.1	20.9	16.4	12.8	10.5	30.0	4.	698.
		2	71.8	63.8	56.3	50.2	42.0	31.7	26.7	21.3	16.9	14.1	44.4	-31.	942.
		3	81.9	72.1	64.7	58.4	48.7	37.5	31.4	25.3	20.2	16.8	75.0	-12.	696.
195	2	1	69.2	58.6	54.9	46.1	39.3	29.7	24.4	19.5	15.5	12.8	46.1	-13.	998.
		2	73.3	63.0	58.4	50.5	43.3	33.1	27.6	22.2	17.8	14.8	43.7	-11.	865.
		3	98.4	84.8	77.5	69.4	57.9	44.7	37.2	30.1	24.0	20.0	63.5	6.	555.
180	2	1	71.0	61.4	56.0	49.8	41.7	31.9	26.6	21.4	17.1	14.3	43.9	-4.	888.
		2	82.5	71.6	64.9	58.8	49.1	37.9	31.7	25.5	20.4	17.0	32.7	-8.	606.
		3	115.8	99.8	90.0	82.4	67.7	52.3	43.4	35.0	27.9	23.2	58.7	11.	486.
165	2	1	77.3	67.4	61.0	55.2	45.9	35.6	29.7	24.0	19.1	15.9	35.5	-3.	672.
		2	100.0	86.8	78.0	71.5	58.7	45.2	37.6	30.3	24.1	20.0	35.0	-17.	613.
		3	103.2	88.8	79.7	72.8	59.5	45.8	38.0	30.6	24.3	20.2	71.5	17.	564.
150	2	1	93.6	81.2	73.8	67.1	55.3	43.0	35.6	28.8	22.9	19.1	33.8	-22.	600.
		2	113.5	97.2	87.9	80.3	65.7	50.7	42.0	33.9	27.1	22.5	29.3	11.	484.
		3	81.9	69.6	62.7	56.9	46.2	35.5	29.2	23.5	18.7	15.5	109.6	7.	819.
135	2	1	107.9	93.2	84.5	77.1	63.2	49.1	40.6	32.9	26.2	21.9	31.5	2.	516.
		2	114.0	98.2	88.8	81.1	66.6	51.5	42.9	34.7	27.6	23.0	32.1	-15.	492.
		3	78.5	66.2	59.6	53.7	43.5	33.1	27.2	21.8	17.2	14.3	139.7	15.	1000.
120	2	1	124.2	108.2	97.7	89.4	73.5	57.1	47.5	38.4	30.6	25.5	26.2	3.	407.
		2	82.4	70.2	63.0	57.2	46.4	35.5	29.3	23.5	18.5	15.4	57.3	-15.	844.
		3	76.9	65.4	58.4	53.1	42.9	32.7	27.0	21.6	17.1	14.2	165.0	8.	1157.

105	2	1	90.7	77.9	69.8	64.1	51.9	39.9	33.0	26.6	21.1	17.6	46.9	63.	699.
		2	71.1	60.2	53.4	49.0	39.2	29.8	24.5	19.6	15.5	12.8	75.3	-7.	1077.
		3	77.2	65.9	58.9	54.1	43.7	33.4	27.6	22.1	17.5	14.5	326.9	1.	2300.
90	2	1	68.4	58.2	52.6	47.3	38.4	29.3	24.1	19.4	15.4	12.8	71.1	-3.	1010.
		2	90.8	76.9	68.6	62.5	50.5	38.5	31.7	25.4	20.1	16.7	70.4	-32.	974.
75	2	1	84.5	70.9	63.3	57.6	46.3	35.2	29.0	23.2	18.5	15.4	72.9	9.	1019.
		2	75.1	63.9	57.5	52.4	42.5	32.5	26.8	21.6	17.1	14.2	102.1	-7.	1411.
60	2	1	78.6	67.2	60.4	55.5	44.7	34.3	28.2	22.6	17.9	14.8	87.5	37.	1207.
		2	76.9	65.8	59.2	54.3	43.8	33.6	27.6	22.1	17.5	14.4	333.9	-2.	4703.

IPR-11 DATA SUMMARY

SURVEY : MINNOVA - DIRIP PL-16 C1E

INDEX FILE : SGL16C1E.IND
DATA FILE : SGL16C1E.DAT

LINE NO. : 162

Station	Receive Mode	Dipole :	M0	M1	M2	M3	M4	M5 mV/V	M6	M7	M8	M9	Vp mV	SP mV	Apparent Resist.
225	2	1	65.2	55.2	50.1	45.2	36.7	28.2	23.3	18.7	14.9	12.4	97.9	1.	1604.
		2	65.2	55.1	49.7	44.8	36.3	27.6	22.7	18.1	14.3	11.8	97.0	-25.	1492.
		3	75.5	63.9	57.8	52.4	42.5	32.6	26.9	21.6	17.1	14.2	254.7	10.	1812.
220	2	1	64.8	55.2	49.7	44.7	36.5	28.0	23.2	18.6	14.7	12.2	98.9	2.	1605.
		2	66.9	57.4	51.1	46.3	37.4	28.2	23.2	18.4	14.5	11.9	103.7	-23.	1555.
		3	74.0	63.4	56.8	51.7	42.1	32.3	26.7	21.4	16.9	14.0	261.2	7.	1869.
210	2	1	62.6	53.9	47.6	43.7	35.3	26.9	22.3	17.9	14.2	11.8	96.8	4.	1511.
		2	74.6	64.4	56.9	52.6	42.4	32.3	26.7	21.3	16.8	13.8	114.1	-31.	1663.
		3	75.9	64.8	57.7	53.1	42.8	32.8	27.1	21.8	17.2	14.2	295.8	-13.	2076.
195	2	1	70.5	60.7	54.2	49.0	39.7	30.2	24.9	19.9	15.6	12.9	108.2	-13.	1609.
		2	77.1	66.0	58.9	53.7	43.6	33.4	27.6	22.1	17.5	14.5	140.8	-8.	2005.
		3	78.4	66.8	59.6	54.5	44.1	33.8	27.8	22.3	17.7	14.6	299.9	4.	2081.
180	2	1	74.8	63.8	57.4	52.6	42.6	32.7	27.0	21.7	17.2	14.2	132.0	-7.	1843.
		2	74.3	63.3	56.6	52.0	42.0	32.2	26.6	21.4	16.9	14.0	133.5	-8.	1824.
		3	80.6	68.3	61.1	56.1	45.1	34.6	28.5	22.9	18.1	15.0	326.9	7.	2265.
165	2	1	75.6	64.1	57.6	52.9	42.6	32.7	27.0	21.7	17.2	14.3	135.7	-2.	1869.
		2	79.8	67.5	60.6	55.5	44.8	34.4	28.4	22.7	18.0	14.9	167.7	-18.	2300.
		3	77.9	65.6	58.9	53.9	43.4	33.2	27.4	21.9	17.4	14.4	337.3	14.	2417.
150	2	1	75.0	64.4	57.5	52.6	42.6	32.7	27.0	21.7	17.2	14.3	156.1	-22.	2126.
		2	84.4	71.7	63.9	58.5	47.2	36.1	29.7	23.8	18.8	15.6	150.1	11.	2043.
		3	76.3	65.0	57.7	52.8	42.5	32.5	26.8	21.5	17.0	14.1	386.4	4.	2945.
135	2	1	82.0	69.9	62.6	57.2	46.2	35.5	29.2	23.5	18.6	15.4	160.9	1.	2171.
		2	77.8	66.2	59.2	54.2	43.8	33.6	27.7	22.3	17.6	14.5	176.9	-16.	2476.
		3	71.3	59.9	53.2	48.4	38.7	29.3	23.9	19.1	15.0	12.4	466.7	12.	3907.

120	2	1	77.3	65.9	59.2	54.0	43.8	33.6	27.8	22.4	17.8	14.8	159.7	2.	2190.
		2	76.6	64.6	57.9	52.7	42.5	32.5	26.7	21.4	16.9	14.0	193.8	-17.	2867.
		3	56.6	47.0	41.7	37.6	29.9	22.4	18.2	14.4	11.3	9.2	602.0	5.	5815.
105	2	1	74.3	63.5	56.8	52.1	42.0	32.1	26.5	21.3	16.8	13.9	188.1	62.	2722.
		2	79.0	67.2	59.9	54.9	44.3	33.9	28.0	22.4	17.7	14.7	209.3	-8.	3468.
		3	38.9	32.1	28.1	25.4	19.9	14.7	11.8	9.2	7.1	5.7	1248.0	0.	15234.
90	2	1	74.9	64.0	57.3	52.1	42.1	32.1	26.5	21.2	16.8	13.9	201.3	-5.	3173.
		2	56.7	47.1	41.4	37.4	29.6	22.0	17.7	13.9	10.7	8.7	311.8	-34.	5937.
75	2	1	67.8	56.7	50.0	45.5	36.2	27.3	22.2	17.6	13.7	11.3	275.5	7.	4990.
		2	35.1	29.1	25.2	22.8	17.8	13.1	10.5	8.1	6.2	5.0	403.6	-6.	9739.
60	2	1	43.4	35.8	31.3	28.3	22.1	16.4	13.1	10.2	7.8	6.3	380.8	36.	8401.
		2	36.2	30.1	26.4	23.8	18.6	13.7	11.0	8.6	6.5	5.3	1204.0	-3.	41577.

IPR-11 DATA SUMMARY

SURVEY : MINNOVA - DIRIP PL-16 C1S

INDEX FILE : SGL16C1S.IND
DATA FILE : SGL16C1S.DAT

LINE NO. : 163

Station	Receive Dipole : Mode		M0	M1	M2	M3	M4	M5 mV/V	M6	M7	M8	M9	Vp mV	SP mV	Apparent Resist.
225	2	1	126.4	108.6	97.9	88.8	72.6	55.7	46.1	37.0	29.3	24.3	86.8	1.	1078.
		2	-192.1	-171.5	-157.4	-143.6	-121.7	-96.2	-81.2	-66.5	-53.6	-45.1	-28.4	-25.	349.
		3	-55.3	-48.5	-44.0	-39.5	-33.2	-25.8	-21.7	-17.7	-14.2	-12.0	-125.8	14.	843.
220	2	1	129.8	111.4	100.4	91.3	74.7	57.3	47.4	38.2	30.3	25.1	82.7	0.	1010.
		2	-45.6	-42.7	-39.2	-36.5	-31.9	-25.7	-22.2	-18.4	-15.1	-12.8	-71.1	-23.	873.
		3	-60.2	-52.5	-47.0	-42.9	-35.5	-27.3	-22.9	-18.5	-14.9	-12.4	-120.8	6.	815.
210	2	1	269.3	241.3	214.6	198.1	164.5	127.4	107.2	86.3	69.1	57.8	29.1	3.	357.
		2	-22.1	-24.1	-19.6	-19.9	-17.4	-14.0	-12.6	-10.3	-8.5	-7.3	-77.8	-32.	986.
		3	-43.7	-39.8	-34.2	-32.1	-26.5	-20.4	-17.3	-13.9	-11.2	-9.4	-140.3	-13.	1037.
195	2	1	-19.3	-18.0	-17.2	-16.9	-14.8	-12.7	-11.1	-9.5	-8.0	-6.9	88.8	-14.	1102.
		2	-56.1	-47.8	-43.1	-39.8	-32.3	-25.3	-21.0	-17.2	-13.8	-11.2	76.0	-6.	1004.
		3	-57.1	-48.2	-43.1	-39.7	-32.1	-25.0	-20.8	-17.0	-13.7	-11.5	86.2	7.	734.
180	2	1	-52.9	-45.3	-40.5	-38.1	-31.0	-24.3	-20.4	-16.6	-13.4	-11.2	71.7	-5.	938.
		2	-77.3	-65.1	-57.8	-53.6	-43.0	-33.1	-27.4	-22.1	-17.6	-14.6	49.0	-6.	717.
		3	-61.3	-52.2	-46.9	-43.7	-35.7	-28.0	-23.6	-19.4	-15.7	-13.3	56.7	11.	618.
165	2	1	-85.2	-71.5	-63.6	-59.2	-47.1	-36.3	-30.1	-24.2	-19.3	-16.0	53.8	0.	751.
		2	-23.1	-19.6	-17.8	-16.7	-13.6	-10.9	-9.2	-7.6	-6.3	-5.3	72.8	-16.	1227.
		3	-15.1	-13.9	-13.1	-13.4	-11.2	-9.6	-8.4	-7.2	-6.1	-5.3	61.2	18.	8820.
150	2	1	-31.4	-26.8	-23.5	-22.0	-17.9	-14.0	-11.8	-9.6	-7.8	-6.5	67.2	-21.	1071.
		2	-170.2	-147.0	-131.5	-121.3	-98.4	-76.5	-63.7	-52.4	-42.2	-35.4	11.6	12.	243.
		3	24.8	19.3	17.0	14.7	11.2	7.8	6.0	4.5	3.3	2.6	195.4	7.	6450.
135	2	1	-47.9	-39.5	-35.7	-33.1	-26.9	-21.2	-17.8	-14.7	-12.0	-10.1	34.5	4.	667.
		2	-46.1	-39.3	-36.8	-33.6	-27.7	-21.9	-18.2	-15.0	-12.2	-10.3	25.0	-13.	767.
		3	41.6	34.2	29.4	26.0	20.2	14.6	11.6	9.0	6.8	5.5	243.6	16.	46652.

120	2	1	27.7	22.7	19.6	17.5	13.4	9.6	7.5	******	4.3	3.4	102.8	-15.	1333.
		2	27.7	22.7	19.6	17.5	13.4	9.6	7.5	5.7	4.3	3.4	102.8	-15.	6679.
		3	46.3	38.2	33.3	30.0	23.5	17.4	14.0	11.1	8.6	7.0	225.5	7.	5541.
105	2	1	18.5	15.2	13.2	11.5	8.8	6.0	4.7	3.5	2.5	1.9	64.9	64.	3062.
		2	36.9	29.9	25.7	22.9	17.5	12.4	9.9	7.5	5.7	4.5	170.4	-6.	65362.
		3	48.7	41.0	36.4	33.4	26.7	20.2	16.6	13.3	10.4	8.6	332.0	3.	4460.
90	2	1	30.2	24.1	21.3	18.7	14.2	10.2	8.0	6.1	4.6	3.6	148.1	-2.	42955.
		2	65.7	53.7	46.9	42.3	33.1	24.5	19.8	15.6	12.1	9.9	68.7	-32.	3335.
75	2	1	56.2	45.4	39.7	35.2	27.1	19.7	15.7	12.2	9.4	7.7	106.5	9.	7178.
		2	42.9	36.3	32.6	29.7	23.9	18.2	15.0	11.9	9.5	7.8	101.7	-5.	2672.
60	2	1	52.4	44.8	40.2	36.7	29.9	23.1	19.1	15.3	12.2	10.1	66.7	38.	2080.
		2	47.5	40.2	35.9	32.6	26.3	19.9	16.3	12.9	10.1	8.2	347.0	0.	6587.

IPR-11 DATA SUMMARY

SURVEY : MINNOVA - DIRIP PL-16 C1W

INDEX FILE : SGL16C1W.IND
DATA FILE : SGL16C1W.DAT

LINE NO. : 164

Station	Receive Mode	Dipole :	M0	M1	M2	M3	M4	M5 mV/V	M6	M7	M8	M9	Vp mV	SP mV	Apparent Resist.
225	2	1	36.1	30.2	26.7	24.4	19.4	14.7	12.0	9.6	7.6	6.3	243.6	2.	4101.
		2	43.3	36.3	32.3	29.6	23.6	17.9	14.6	11.6	9.1	7.5	199.1	-25.	3154.
		3	56.0	47.0	41.8	38.3	30.6	23.2	19.0	15.1	11.9	9.8	555.6	10.	4109.
220	2	1	32.3	27.0	23.8	21.6	17.3	13.0	10.7	8.5	6.7	5.5	250.0	1.	4193.
		2	49.4	42.0	37.3	34.0	27.3	20.7	16.9	13.4	10.5	8.6	202.3	-22.	3185.
		3	56.4	47.6	42.4	38.5	31.0	23.5	19.3	15.3	12.0	9.9	571.8	4.	4236.
210	2	1	36.2	30.4	27.3	24.4	19.7	14.9	12.2	9.8	7.8	6.5	217.2	4.	3475.
		2	55.0	46.4	41.7	37.6	30.4	23.0	18.8	14.9	11.6	9.4	233.2	-31.	3547.
		3	60.7	50.9	45.5	41.2	33.1	25.1	20.6	16.4	12.9	10.7	607.2	-15.	4398.
195	2	1	53.5	45.6	40.9	37.0	29.8	22.6	18.5	14.7	11.5	9.5	215.0	-16.	3292.
		2	60.3	50.8	45.4	41.2	33.1	25.1	20.6	16.4	12.9	10.6	287.4	-7.	4189.
		3	57.5	48.3	43.0	39.0	31.2	23.6	19.2	15.3	12.0	9.9	741.9	2.	5316.
180	2	1	58.7	49.9	44.6	40.6	32.6	24.8	20.3	16.2	12.7	10.5	274.6	-8.	4084.
		2	55.1	46.4	41.3	37.5	30.0	22.8	18.6	14.8	11.6	9.5	303.1	-9.	4384.
		3	57.6	48.5	43.1	39.2	31.4	23.8	19.5	15.5	11.9	10.0	877.8	4.	6406.
165	2	1	56.8	48.0	42.7	38.9	31.1	23.5	19.3	15.3	12.0	9.9	302.2	-3.	4338.
		2	66.7	56.4	50.3	45.9	36.8	28.0	23.0	18.3	14.4	11.8	328.5	-19.	4669.
		3	54.0	45.3	40.2	36.6	29.2	22.1	18.1	14.4	11.3	9.3	1028.0	9.	7691.
150	2	1	63.4	53.5	48.0	43.8	35.0	26.6	21.8	17.4	13.7	11.2	308.3	-24.	4357.
		2	53.6	44.4	39.8	36.3	28.8	21.7	17.8	14.1	11.0	9.0	484.9	8.	6939.
		3	63.3	53.0	47.6	43.4	34.9	26.6	21.9	17.5	13.8	11.4	889.5	-1.	7081.
135	2	1	57.3	48.2	43.1	39.3	31.2	23.6	19.2	15.3	12.0	9.8	431.5	1.	6058.
		2	56.9	47.8	42.7	39.0	31.2	23.7	19.4	15.5	12.2	10.0	508.7	-17.	7464.
		3	53.3	44.8	40.3	36.8	29.5	22.5	18.5	14.7	11.6	9.5	886.5	10.	7706.

120	2	1	52.9	44.8	39.6	36.2	29.0	21.9	18.0	14.3	11.2	9.2	515.0	1.	7541.
		2	57.6	48.6	43.1	39.3	31.7	24.1	19.8	15.8	12.4	10.2	479.7	-18.	7554.
		3	45.2	37.9	33.5	30.4	24.4	18.4	15.0	11.9	9.2	7.6	653.4	4.	6696.
105	2	1	55.3	46.4	41.2	37.4	29.9	22.6	18.5	14.7	11.5	9.5	533.7	60.	8128.
		2	77.0	66.6	60.2	55.5	45.8	35.7	29.8	24.1	19.2	16.0	291.3	-9.	5010.
		3	47.4	39.9	35.5	32.5	25.9	19.6	16.0	12.8	10.0	8.2	-600.8	9.	7681.
90	2	1	71.5	60.4	54.0	49.4	39.9	30.7	25.3	20.3	16.0	13.2	382.9	-5.	6429.
		2	34.5	28.4	25.0	22.5	17.6	13.1	10.5	8.2	6.3	5.0	578.3	-33.	11773.
75	2	1	43.4	36.8	32.3	29.4	23.6	17.9	14.6	11.6	9.0	7.4	473.3	7.	9086.
		2	32.5	27.8	26.0	24.0	19.9	15.9	13.4	11.1	9.0	7.6	-69.3	-4.	1772.
60	2	1	15.0	10.1	7.7	6.1	3.4	1.2	.3	-.2	-.6	-.7	309.3	39.	7078.
		2	42.8	35.7	31.5	28.5	22.5	16.8	13.5	10.6	8.2	6.7	-1536.0	10.	55134.

IPR-11 DATA SUMMARY

SURVEY : MINNOVA - DIRIP PL-26 C1N

INDEX FILE : SGL26C1N.IND
DATA FILE : SGL26C1N.DAT

LINE NO. : 261

Station	Receive Dipole : Mode		M0	M1	M2	M3	M4	M5 mV/V	M6	M7	M8	M9	Vp mV	SP mV	Apparent Resist.
380	2	1	47.9	43.2	41.3	32.0	29.0	21.0	18.9	14.9	12.5	9.8	29.4	-11.	1108.
		2	56.0	46.0	43.7	37.0	30.9	24.0	18.9	15.4	12.5	10.6	45.4	-4.	1472.
365	2	1	48.4	43.6	38.0	33.8	28.7	21.9	18.2	14.5	11.3	9.4	47.0	-10.	1461.
		2	56.4	48.1	42.6	37.9	31.2	23.7	19.5	15.4	12.3	10.3	51.1	-3.	1365.
350	2	1	51.3	43.2	40.7	34.9	29.1	22.2	18.4	14.8	11.7	9.6	44.2	-6.	1490.
		2	55.6	46.8	42.7	37.5	30.9	23.3	19.4	15.4	11.9	10.3	39.3	-2.	1133.
335	2	1	52.8	45.8	41.5	37.0	30.5	23.5	19.4	15.3	12.3	10.3	46.4	-9.	1454.
		2	56.4	49.1	42.9	40.4	32.4	25.2	20.9	16.5	13.0	11.0	31.3	-4.	842.
320	2	1	54.5	47.3	42.2	38.3	31.7	23.8	19.6	15.8	12.3	10.4	42.4	-8.	1256.
		2	58.4	52.0	43.0	43.0	34.4	26.1	21.9	17.6	13.8	11.8	26.6	-13.	677.
305	2	1	53.6	45.6	41.8	37.0	30.5	23.6	19.4	15.4	12.3	10.4	35.9	-7.	1005.
		2	61.7	51.5	47.8	42.6	35.0	27.3	22.4	17.9	14.3	12.0	31.4	-22.	755.
290	2	1	53.8	47.1	42.7	37.1	31.5	23.7	19.3	15.4	11.9	9.5	28.9	-13.	761.
		2	66.1	52.7	49.7	44.7	36.2	28.4	23.0	18.7	14.8	12.1	34.2	-19.	776.
275	2	1	55.0	49.6	44.0	39.0	32.9	24.8	21.1	16.5	13.1	11.1	26.7	-21.	664.
		2	76.2	61.5	59.3	52.0	42.5	32.9	26.6	21.7	17.1	14.1	39.0	-14.	836.
260	2	1	59.4	51.9	48.7	41.0	35.2	26.7	22.4	18.0	14.3	11.9	31.3	-18.	736.
		2	81.3	69.8	64.5	55.8	47.0	35.7	29.6	23.7	18.7	15.6	39.1	-39.	794.
245	2	1	63.5	56.0	53.1	43.0	38.1	28.8	24.0	19.2	15.4	12.8	42.7	-21.	824.
		2	74.0	64.8	57.4	52.0	42.6	32.4	26.9	21.4	16.9	14.0	40.7	-7.	679.
230	2	1	75.2	66.4	58.9	53.6	44.0	33.5	27.6	22.1	17.5	14.5	42.9	-14.	786.

		2	60.5	51.7	45.9	42.4	33.8	25.8	21.4	16.8	13.3	11.0	37.8	-5.	598.
215	2	1	77.8	67.0	60.2	54.9	44.4	34.0	28.3	22.2	17.7	14.7	45.0	-14.	776.
		2	62.5	52.4	46.7	43.0	34.3	25.9	21.3	16.9	13.2	10.8	38.7	-3.	580.
200	2	1	69.1	59.2	53.3	48.3	38.3	29.6	24.1	19.5	15.8	13.1	40.2	-11.	657.
		2	63.2	53.4	47.5	43.2	35.1	26.7	21.7	17.1	13.4	10.9	42.4	-7.	606.
185	2	1	56.8	48.3	443.4	39.2	31.7	24.1	19.8	15.7	12.4	10.3	32.7	-8.	573.
		2	66.1	56.5	50.2	45.7	37.1	28.2	23.2	18.5	14.6	12.2	41.6	-13.	641.
170	2	1	62.8	53.6	47.8	43.3	34.9	26.2	21.5	17.1	13.3	10.8	35.4	-6.	590.
		2	63.6	55.9	48.5	45.3	36.9	28.0	23.6	18.8	14.8	12.3	35.4	-19.	522.
155	2	1	62.9	53.6	47.9	43.3	35.1	26.6	21.8	17.1	13.5	11.2	39.3	-8.	621.
		2	56.1	47.9	44.1	39.3	32.2	24.8	20.5	16.6	13.2	10.9	43.3	-6.	613.
140	2	1	63.0	53.5	48.9	43.0	35.7	27.0	22.2	18.0	14.2	11.8	38.7	3.	588.
		2	46.6	39.8	35.8	33.0	26.9	20.8	17.2	14.0	10.9	9.0	59.5	0.	821.
125	2	1	59.5	51.1	47.3	41.3	34.6	26.4	21.6	17.6	13.9	11.6	38.7	-8.	557.
		2	51.7	43.6	39.5	36.8	29.4	22.8	18.7	15.1	11.9	9.8	78.3	16.	1042.
110	2	1	53.3	45.6	41.7	38.3	31.2	24.1	19.9	16.0	12.8	10.6	44.4	5.	620.
		2	57.5	48.8	43.7	40.7	32.6	25.1	20.7	16.6	13.2	10.9	83.1	38.	1095.

IPR-11 DATA SUMMARY

SURVEY : MINNOVA - DIRIP PL-26 C1E

INDEX FILE : SGL26C1E.IND
DATA FILE : SGL26C1E.DAT

LINE NO. : 262

Station	Receive Dipole : Mode		M0	M1	M2	M3	M4	M5 mV/V	M6	M7	M8	M9	Vp mV	SP mV	Apparent Resist.
380	2	1	40.3	37.4	34.0	28.1	25.0	18.3	15.5	11.9	9.7	7.8	30.7	-10.	1462.
		2	49.9	41.8	38.5	32.3	27.5	20.8	17.1	13.7	10.9	8.8	51.1	-3.	2108.
365	2	1	43.1	37.0	35.3	29.1	25.1	19.1	15.8	12.5	10.0	8.5	50.5	-9.	1988.
		2	52.1	42.6	39.2	33.9	27.8	21.1	17.4	13.9	10.8	8.9	60.4	-3.	2105.
350	2	1	44.3	41.0	35.5	32.2	26.8	20.0	16.9	13.2	10.3	8.6	48.8	-5.	2053.
		2	49.1	43.6	37.1	34.4	27.8	20.7	17.3	13.6	10.7	8.9	49.1	-1.	1823.
335	2	1	48.3	40.8	38.2	33.1	26.8	20.0	16.2	12.8	10.8	8.8	52.3	-9.	2115.
		2	49.5	42.6	37.1	33.4	27.8	20.8	17.0	13.7	10.6	8.9	42.6	-4.	1510.
320	2	1	49.2	42.4	38.5	33.4	27.9	21.2	17.4	13.9	11.0	9.3	50.9	-8.	1986.
		2	43.6	39.6	32.7	31.2	24.9	18.8	15.9	12.3	9.8	8.3	38.1	-13.	1322.
305	2	1	48.6	41.9	38.2	33.7	27.6	22.3	17.2	13.4	10.8	8.8	45.7	-7.	1727.
		2	52.5	43.7	40.7	36.0	29.4	21.9	18.6	15.3	12.1	10.2	35.6	-23.	1214.
290	2	1	46.1	39.0	36.4	30.4	25.4	19.2	15.5	12.4	9.7	7.8	41.6	-13.	1491.
		2	64.8	53.3	47.2	46.8	35.5	28.0	22.8	18.5	14.6	12.0	32.3	-20.	1055.
275	2	1	43.8	38.0	34.8	30.7	25.1	18.8	15.4	12.1	9.5	7.8	35.5	-23.	1242.
		2	79.5	61.2	60.3	54.8	43.5	33.9	27.2	22.3	17.5	14.3	38.0	-14.	1212.
260	2	1	52.2	44.5	41.8	35.5	30.2	23.2	19.0	15.3	12.1	10.1	33.8	-21.	1139.
		2	84.0	71.3	65.6	57.7	47.9	36.5	29.9	24.0	18.9	15.7	44.2	-38.	1400.
245	2	1	66.3	60.5	54.8	46.5	40.4	30.2	25.6	20.3	16.2	13.5	43.8	-23.	1123.
		2	76.3	66.0	58.0	53.4	43.1	32.6	27.0	21.4	16.8	13.9	59.0	-6.	1449.
230	2	1	77.6	66.3	62.6	53.2	45.2	34.2	28.1	22.7	18.0	14.8	44.5	-14.	1237.

		2	61.5	52.4	46.0	42.2	33.9	25.6	21.0	16.6	12.9	10.6	54.4	-5.	1486.
215	2	1	79.6	68.2	61.2	55.4	45.2	34.4	28.3	22.5	17.8	14.7	53.0	-13.	1457.
		2	59.8	50.3	44.2	40.4	32.0	24.0	19.6	15.4	11.9	9.8	58.9	-4.	1631.
200	2	1	71.1	61.1	54.4	49.4	39.7	30.2	24.8	19.7	15.5	12.9	53.1	-10.	1422.
		2	55.8	47.1	41.3	37.5	29.8	22.3	18.2	14.3	11.1	9.1	68.7	-6.	1920.
185	2	1	59.2	50.0	44.7	40.7	32.5	24.6	20.1	15.8	12.5	10.1	47.6	-7.	1481.
		2	55.8	46.9	41.4	37.6	29.8	22.4	18.1	14.2	11.2	9.1	73.1	-12.	2482.
170	2	1	59.0	50.1	44.3	40.0	31.8	23.8	19.3	15.2	11.8	9.6	53.5	-6.	1689.
		2	55.8	47.4	41.7	38.0	30.3	22.9	18.7	14.9	11.6	9.5	75.8	-19.	2765.
155	2	1	54.6	46.1	40.8	37.0	29.3	22.2	17.9	14.2	11.1	9.0	65.6	-8.	2152.
		2	50.2	42.4	37.4	34.3	27.2	20.6	16.8	13.4	10.5	8.6	83.9	-6.	3360.
140	2	1	54.3	45.6	40.7	36.7	29.4	22.1	18.2	14.3	11.2	9.1	73.3	3.	2533.
		2	44.1	36.8	32.8	30.0	24.0	18.2	14.9	11.8	9.3	7.6	98.0	-2.	4528.
125	2	1	52.9	44.3	40.3	35.9	29.0	21.9	17.9	14.2	11.2	9.2	78.7	-8.	2883.
		2	47.6	39.4	35.5	32.5	25.8	19.6	16.0	12.7	9.9	8.1	115.0	14.	5903.
110	2	1	49.5	41.8	37.6	34.1	27.3	20.7	16.9	13.4	10.5	8.7	84.7	4.	3504.
		2	50.9	42.3	37.7	34.2	27.2	20.5	16.7	13.3	10.4	8.5	120.7	34.	8637.

IPR-11 DATA SUMMARY

SURVEY : MINNOVA - DIRIP PL-26 C1S

INDEX FILE : SGL26C1S.IND
DATA FILE : SGL26C1S.DAT

LINE NO. : 263

Station	Receive Dipole : Mode		M0	M1	M2	M3	M4	M5 mV/V	M6	M7	M8	M9	Vp mV	SP mV	Apparent Resist.
380	2	1	35.6	30.0	26.6	23.8	19.2	14.3	11.7	9.2	7.2	5.9	165.3	-11.	4017.
		2	43.8	36.2	32.1	28.8	22.9	17.1	14.0	11.0	8.6	7.0	282.1	-5.	6223.
365	2	1	38.3	32.1	28.5	25.8	20.6	15.4	12.6	10.0	7.7	6.3	278.0	-10.	5676.
		2	45.4	37.7	33.3	30.1	23.9	17.8	14.5	11.4	8.8	7.2	330.6	-4.	6227.
350	2	1	40.9	34.4	30.6	27.5	21.9	16.4	13.3	10.6	8.2	6.7	272.4	-6.	6140.
		2	45.4	38.0	33.7	30.3	24.1	18.1	14.6	11.6	9.0	7.3	263.4	-2.	5569.
335	2	1	42.5	35.8	31.7	28.6	22.8	17.1	13.9	10.9	8.4	6.9	284.4	-10.	6212.
		2	48.3	40.9	36.0	32.7	26.2	19.6	16.0	12.6	9.8	8.0	213.5	-5.	4496.
320	2	1	44.7	37.4	33.1	30.1	23.8	17.8	14.5	11.4	8.8	7.2	286.3	-9.	6119.
		2	47.5	40.1	35.5	32.6	26.0	19.6	16.1	12.8	10.0	8.2	167.3	-14.	3549.
305	2	1	45.7	38.6	34.0	31.1	24.5	18.4	15.1	11.9	9.2	7.6	238.4	-8.	4929.
		2	88.1	74.4	66.2	60.4	48.2	36.6	29.7	23.6	18.4	15.1	61.1	-25.	1306.
290	2	1	46.5	38.7	34.6	31.3	25.0	18.9	15.4	12.2	9.5	7.8	206.6	-14.	4345.
		2	-26.2	-22.7	-19.7	-19.0	-16.1	-11.7	-9.7	-7.7	-6.1	-5.1	-65.5	-21.	1493.
275	2	1	58.3	49.3	43.9	39.9	32.1	24.4	20.0	15.9	12.5	10.3	130.1	-24.	2762.
		2	16.8	14.0	12.0	11.3	8.5	6.2	4.9	3.8	2.8	2.2	-121.0	-13.	2967.
260	2	1	143.4	122.7	110.7	97.8	80.2	60.4	49.7	39.2	31.1	25.7	31.0	-22.	681.
		2	23.9	19.4	16.5	15.6	11.4	8.3	6.4	4.8	3.5	2.7	-133.5	-35.	3662.
245	2	1	2.3	1.9	2.0	1.1	1.1	.5	.4	.2	.0	.0	129.6	-22.	2643.
		2	13.0	10.1	8.4	7.2	5.1	3.2	2.3	1.5	.9	.6	118.7	-5.	3324.
230	2	1	15.6	12.6	11.1	10.1	7.5	5.2	4.0	2.9	2.0	1.5	125.6	-12.	2772.

		2	9.6	6.9	5.9	5.3	3.5	2.2	1.6	1.0	.6	.3	107.8	-4.	3840.
215	2	1	20.4	16.6	14.3	12.8	9.6	6.7	5.1	3.7	2.7	2.0	146.2	-12.	3658.
		2	24.6	19.6	16.5	14.9	11.2	7.8	6.1	4.5	3.3	2.6	103.4	-4.	5415.
200	2	1	11.5	9.0	7.5	6.5	4.5	2.9	1.9	1.3	.8	.6	116.8	-9.	3419.
		2	26.7	21.2	18.3	16.1	12.1	8.6	6.6	5.0	3.7	2.9	116.4	-7.	12043.
185	2	1	6.9	4.8	3.7	3.2	2.0	1.0	.6	.2	.0	.0	89.3	-7.	4078.
		2	35.4	28.7	25.1	22.6	17.5	12.8	10.1	7.8	5.9	4.7	122.0	-12.	149457.
170	2	1	27.4	22.1	18.9	17.0	12.8	9.0	7.0	5.3	4.0	3.1	93.8	-6.	6664.
		2	40.6	34.1	29.8	27.1	21.5	16.1	13.0	10.3	7.9	6.5	110.7	-19.	10912.
155	2	1	28.3	23.1	19.9	17.6	13.6	9.7	7.8	5.9	4.4	3.4	112.0	-8.	21061.
		2	32.9	27.2	23.7	21.5	16.9	12.4	10.1	7.9	6.0	4.9	98.2	-7.	5115.
140	2	1	36.3	30.7	26.6	23.9	18.8	13.9	11.1	8.7	6.5	5.3	114.1	3.	28707.
		2	28.8	24.7	21.6	19.5	15.7	11.8	9.5	7.6	5.8	4.8	105.2	-2.	3745.
125	2	1	36.6	30.6	27.1	24.5	19.3	14.4	11.6	9.1	7.0	5.8	105.8	-8.	7887.
		2	45.4	38.3	34.4	31.3	25.2	19.3	15.7	12.5	9.8	8.0	123.4	13.	3440.
110	2	1	32.6	27.4	24.2	21.9	17.4	12.9	10.5	8.2	6.4	5.2	91.2	4.	4122.
		2	58.3	49.3	43.8	39.9	32.3	24.5	20.1	16.0	12.5	10.3	134.1	29.	3174.

IPR-11 DATA SUMMARY

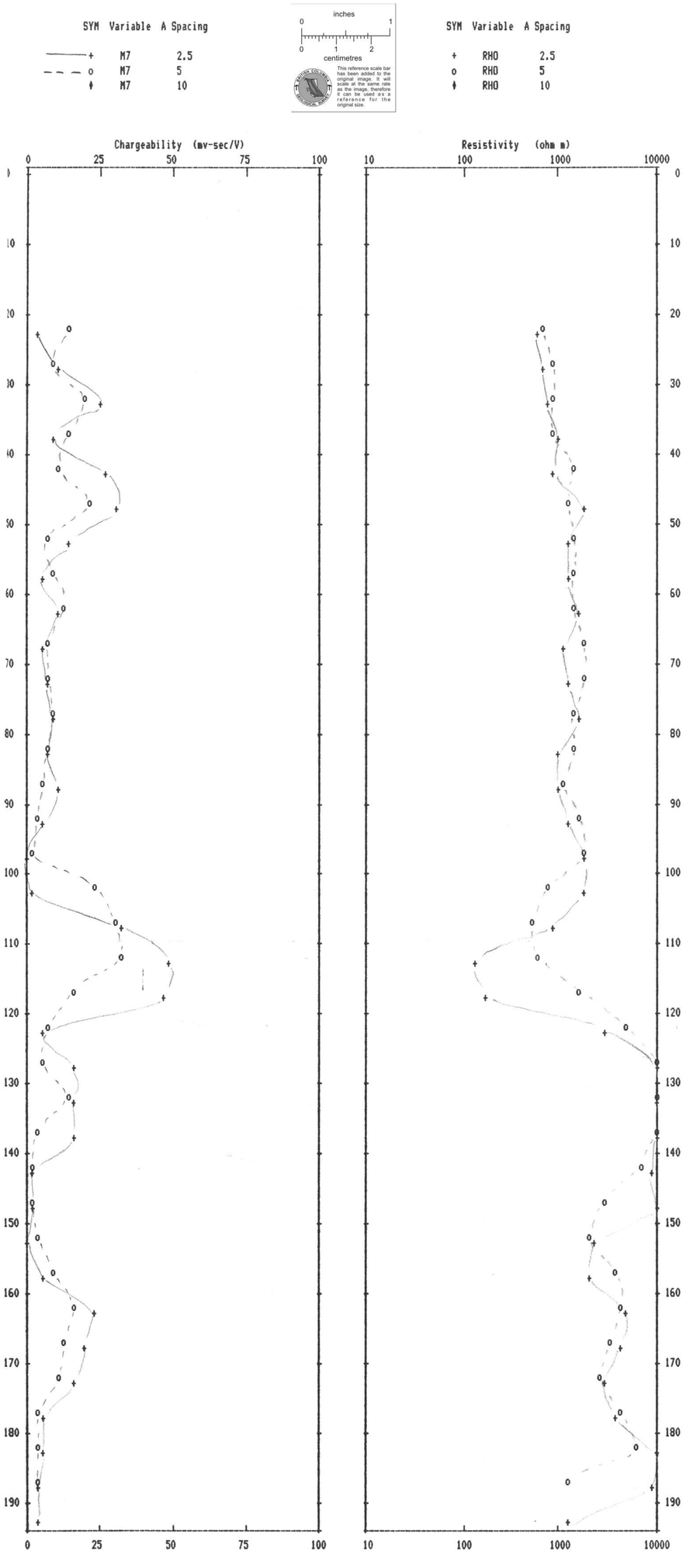
SURVEY : MINNOVA - DIRIP PL-26 C1W

INDEX FILE : SGL26C1W.IND
DATA FILE : SGL26C1W.DAT

LINE NO. : 264

Station	Receive Mode	Dipole :	M0	M1	M2	M3	M4	M5 mV/V	M6	M7	M8	M9	Vp mV	SP mV	Apparent Resist.
380	2	1	43.5	37.0	33.5	30.1	24.3	18.5	15.2	12.2	9.4	7.9	87.7	-10.	2588.
		2	51.5	42.5	37.9	34.2	27.2	20.5	16.7	13.3	10.5	8.5	148.9	-4.	3864.
365	2	1	44.5	38.2	34.1	30.9	25.1	19.0	15.6	12.3	9.7	7.9	147.9	-9.	3588.
		2	53.0	44.0	38.8	35.0	28.0	21.1	17.1	13.6	10.6	8.7	171.2	-3.	3657.
350	2	1	47.1	40.3	35.5	32.3	25.9	19.6	16.1	12.9	10.1	8.3	142.8	-6.	3825.
		2	51.6	43.5	38.1	34.4	27.4	20.7	16.8	13.4	10.3	8.5	132.0	-1.	3146.
335	2	1	49.4	41.3	36.6	33.8	26.7	20.3	16.6	13.2	10.3	8.4	153.7	-9.	3806.
		2	54.3	45.0	39.8	36.5	28.9	21.9	18.1	14.2	11.2	9.2	105.6	-4.	2334.
320	2	1	50.8	42.6	37.8	34.6	27.5	20.7	16.9	13.4	10.5	8.6	143.5	-8.	3457.
		2	57.7	48.5	42.8	39.9	31.5	24.1	19.8	15.8	12.4	10.2	89.7	-14.	1950.
305	2	1	50.4	42.3	38.0	34.4	27.5	20.8	17.0	13.5	10.7	8.7	121.2	-7.	2750.
		2	54.5	45.5	40.8	37.0	29.7	22.6	18.5	14.7	11.5	9.4	128.2	-25.	2653.
290	2	1	52.3	44.4	40.2	36.5	29.5	22.3	18.3	14.7	11.6	9.7	97.6	-13.	2145.
		2	53.4	44.2	31.1	36.0	28.6	21.7	17.7	14.1	11.0	9.0	157.2	-22.	3165.
275	2	1	53.3	45.4	40.7	37.1	29.9	22.7	18.7	14.9	11.7	9.6	96.2	-25.	2026.
		2	62.9	52.3	46.7	42.4	33.8	25.6	20.8	16.5	12.9	10.5	187.6	-15.	3667.
260	2	1	53.3	44.6	40.2	36.5	29.2	22.2	18.2	14.5	11.4	9.3	134.5	-24.	2720.
		2	70.4	59.0	52.7	47.9	38.2	28.9	23.5	18.7	14.6	11.9	184.4	-37.	3515.
245	2	1	53.1	44.7	39.8	35.9	28.8	21.7	17.8	14.1	11.0	9.0	201.8	-25.	3446.
		2	61.7	51.7	45.8	41.6	33.1	24.9	20.2	16.0	12.4	10.1	198.2	-7.	3247.
230	2	1	65.1	54.7	48.9	44.3	35.5	26.8	21.8	17.3	13.5	11.1	211.1	-13.	3522.

		2	43.6	35.8	31.4	28.2	22.0	16.2	13.0	10.1	7.7	6.2	190.2	-5.	3102.
215	2	1	66.3	55.5	49.9	45.1	36.0	27.1	21.8	17.4	13.6	10.8	216.1	-13.	3560.
		2	45.4	36.5	32.2	28.6	22.1	16.0	12.7	9.7	7.3	5.8	213.9	-4.	3532.
200	2	1	54.6	45.5	40.4	36.6	29.0	21.7	17.6	13.8	10.7	8.7	197.9	-10.	3215.
		2	48.5	39.4	34.5	30.8	23.9	17.4	13.9	10.7	8.1	6.5	240.0	-7.	4093.
185	2	1	39.5	32.3	28.1	25.4	19.6	14.3	11.4	8.8	6.6	5.3	170.4	-8.	3230.
		2	50.2	41.3	36.1	32.6	25.4	18.7	14.9	11.6	8.8	7.1	236.0	-14.	4867.
170	2	1	46.8	38.6	33.6	29.9	23.2	16.9	13.4	10.4	7.8	6.3	200.3	-6.	3860.
		2	38.7	32.1	28.3	25.2	19.9	14.8	11.9	9.4	7.3	6.0	163.0	-19.	3594.
155	2	1	47.2	38.9	33.8	30.3	23.6	17.2	13.7	10.6	8.0	6.5	219.3	-8.	4334.
		2	27.4	22.7	19.9	18.0	14.2	10.6	8.6	6.7	5.2	4.2	193.1	-7.	4659.
140	2	1	44.0	36.2	31.7	28.2	22.0	16.0	12.8	9.9	7.5	6.0	213.2	3.	4441.
		2	3.9	2.8	2.3	1.7	1.2	.7	.4	.2	.0	.0	255.6	-2.	7121.
125	2	1	35.1	28.9	25.7	23.1	18.2	13.5	10.9	8.5	6.6	5.3	182.8	-8.	4129.
		2	4.8	3.1	2.4	2.0	1.1	.3	.1	-.1	-.2	-.3	324.8	13.	11054.
110	2	1	18.4	14.9	13.7	12.2	9.7	7.2	5.8	4.5	3.5	2.8	183.6	4.	4618.
		2	5.2	3.2	2.7	2.2	1.2	.5	.2	.0	-.1	-.2	270.4	30.	12379.



MINNOVA INC.

LARA PROJECT, B.C.

DOWNHOLE IP SURVEY

Scale 1:500

Hole: PL-8

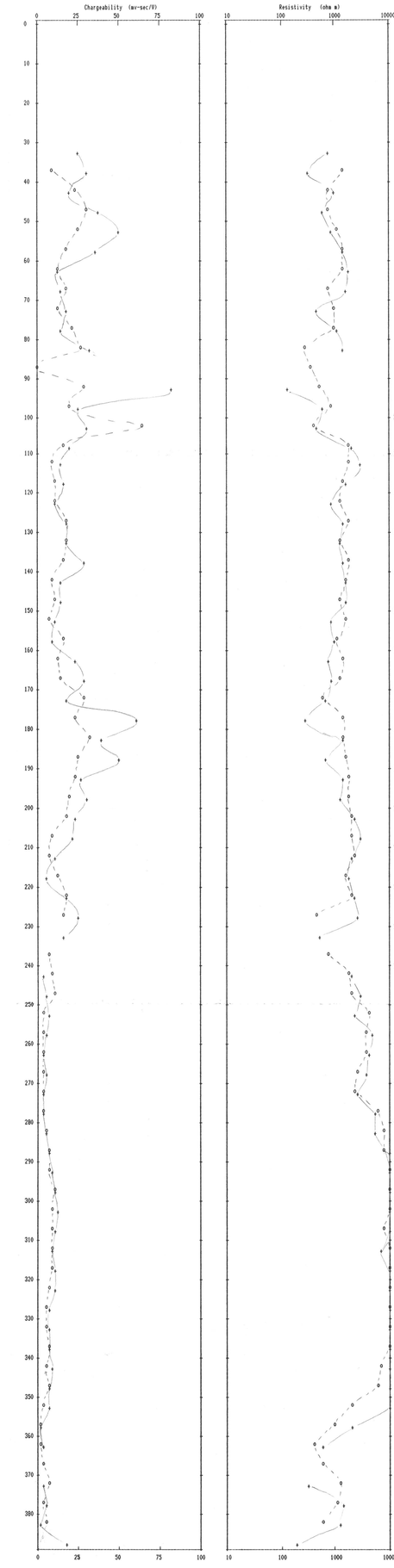
SCOTT GEOPHYSICS LTD.

SYM Variable A Spacing

+	M7	2.5
o	M7	5
♦	M7	10

SYM Variable A Spacing

+	RHO	2.5
o	RHO	5
♦	RHO	10



MINNOVA INC.

LARA PROJECT, B.C.

DOWNHOLE IP SURVEY

Scale 1:500

Hole: PL-26

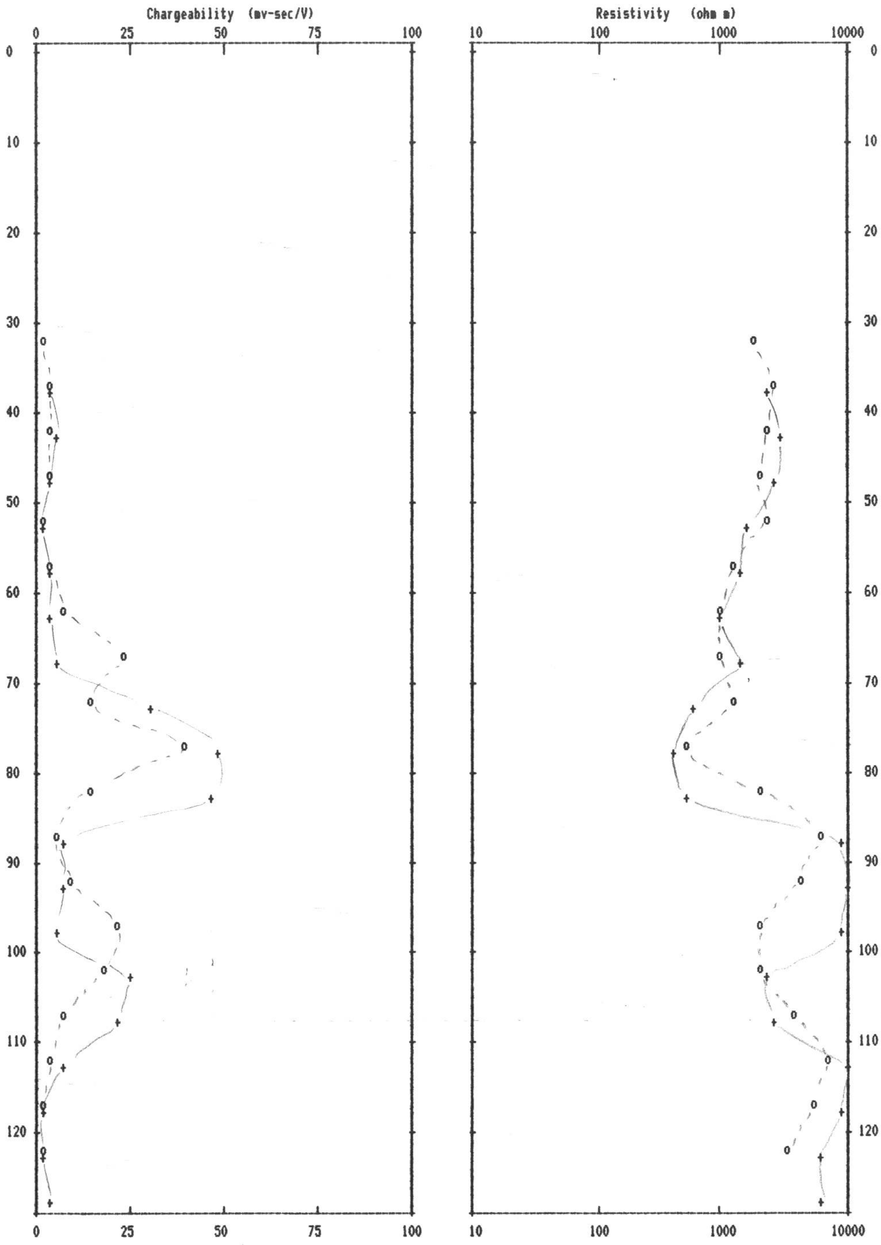
SCOTT GEOPHYSICS LTD.

SYM	Variable	A Spacing
+	M7	2.5
o	M7	5
◊	M7	10

inches
0 1
0 1 2
centimetres

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

SYM	Variable	A Spacing
+	RHO	2.5
o	RHO	5
◊	RHO	10



MINNOVA INC.

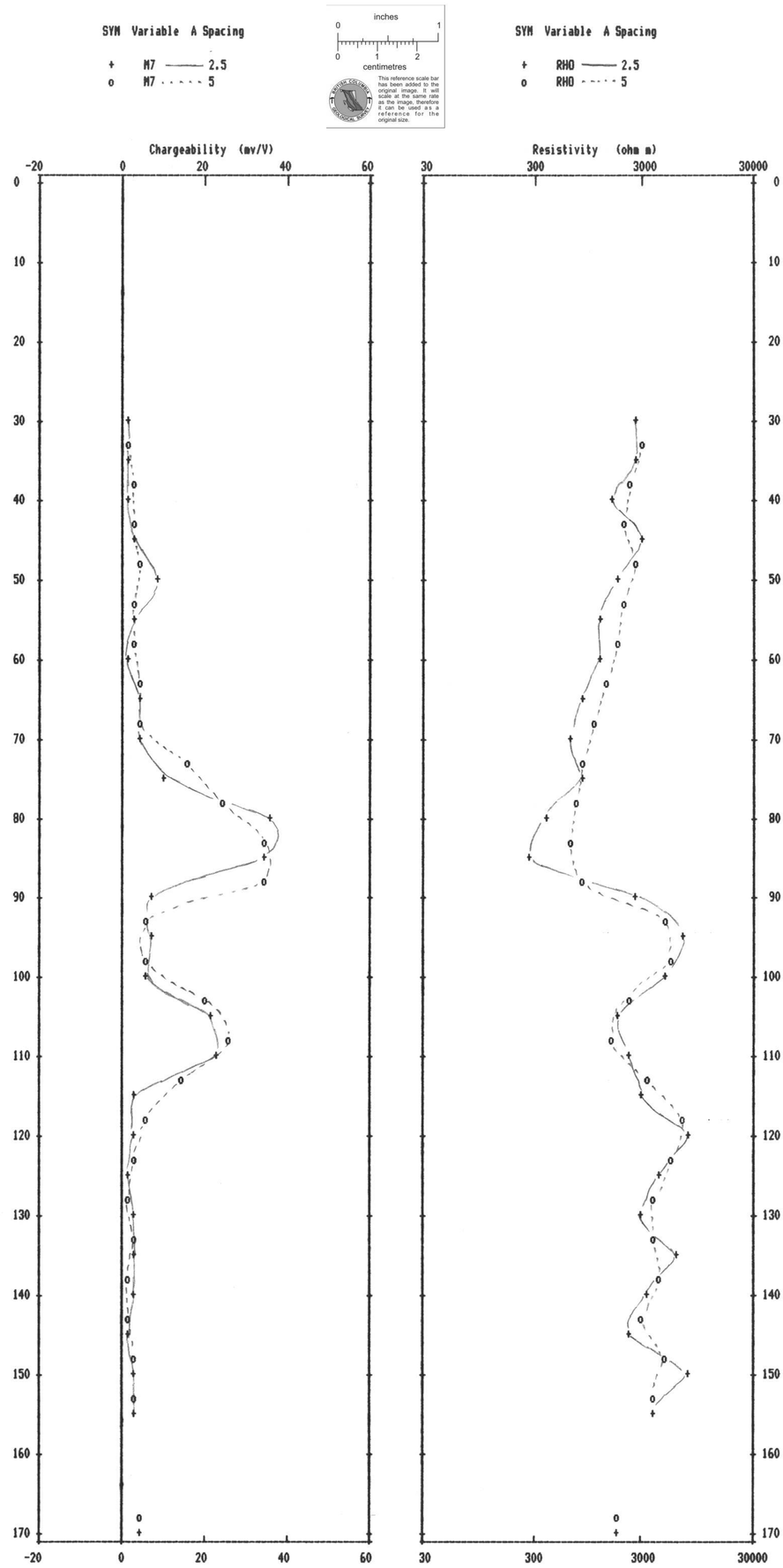
LARA PROJECT, B.C.

DOWNHOLE IP SURVEY

Scale 1:500

Hole: PL-7

SCOTT GEOPHYSICS LTD.



MINNOVA INC. - LARA PROJECT, B.C.

DDH 245 - DETAIL ARRAY (SCINTREX UNIT)

DOWNHOLE IP SURVEY

Scale 1:500

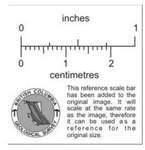
Hole: PL-7

SCOTT GEOPHYSICS LTD.

SYM Variable A Spacing

\+ M7 >20 ——

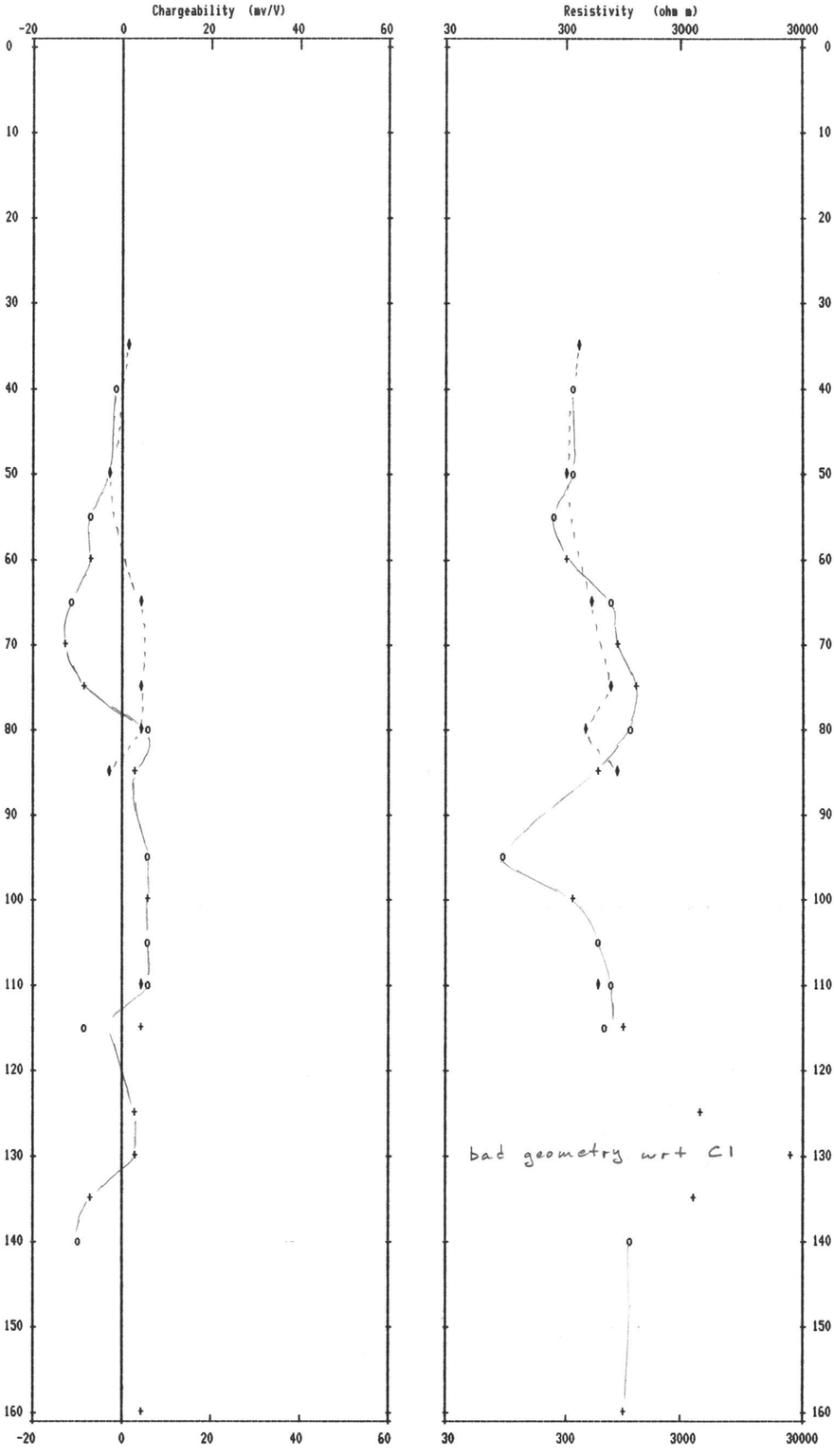
o M7 40 - - - -



SYM Variable A Spacing

\+ RHO >20 ——

o RHO 40 - - - -



MINNOVA INC. — LARA PROJECT, B.C.

DIRECTIONAL ARRAY (SCINTREX UNIT) C1S

DOWNHOLE IP SURVEY

Scale 1:500

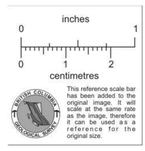
Hole: PL-7

SCOTT GEOPHYSICS LTD.

SYM Variable A Spacing

\+ M7 > 20 ——

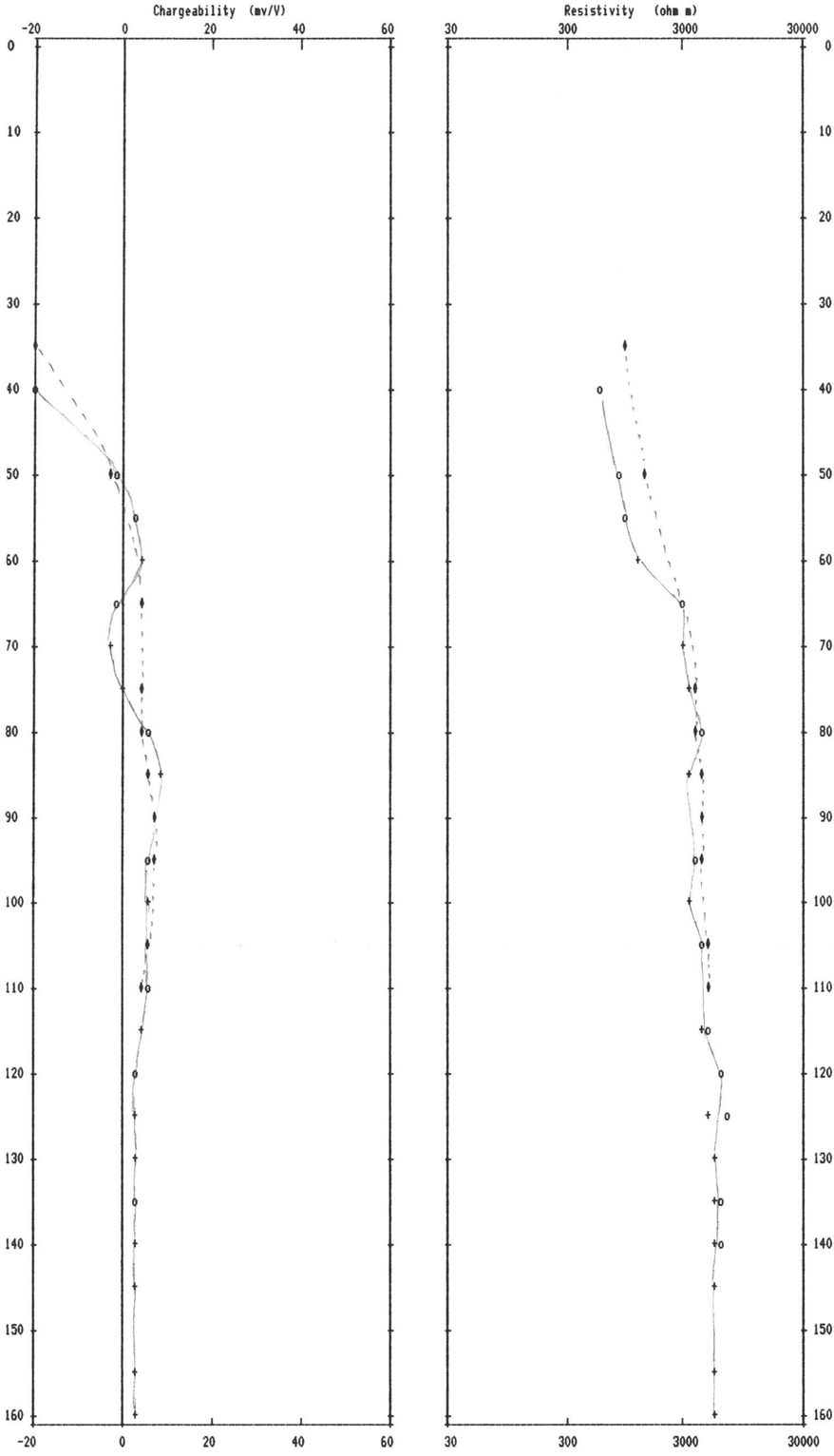
o M7 > 40 - - - -



SYM Variable A Spacing

\+ RHO > 20

o RHO > 40



MINNOVA INC. — LARA PROJECT, B.C.

DIRECTIONAL ARRAY (SCINTREX UNIT) C1E

DOWNHOLE IP SURVEY

Scale 1:500

Hole: PL-7

SCOTT GEOPHYSICS LTD.

SYM Variable A Spacing

\+ M7 > 20 ——

o M7 > 20 ——

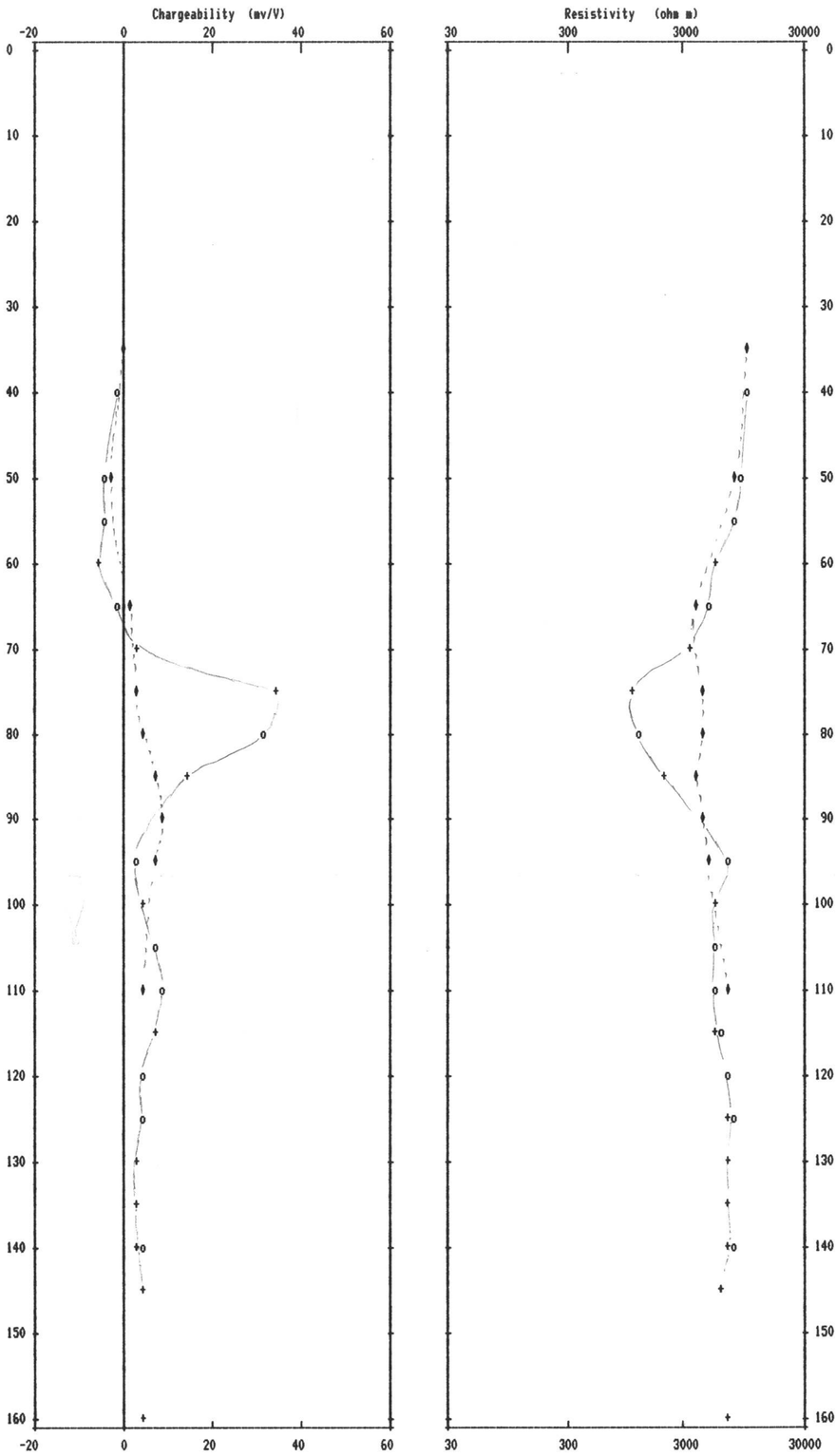
♦ M7 40 - - - -

SYM Variable A Spacing

\+ RHO > 20 ——

o RHO > 20 ——

♦ RHO 40 - - - -



MINNOVA INC. — LARA PROJECT, B.C.

DIRECTIONAL ARRAY (SCINTREX UNIT) C1W

DOWNHOLE IP SURVEY

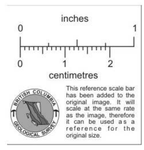
Scale 1:500

Hole: PL-7

SCOTT GEOPHYSICS LTD.

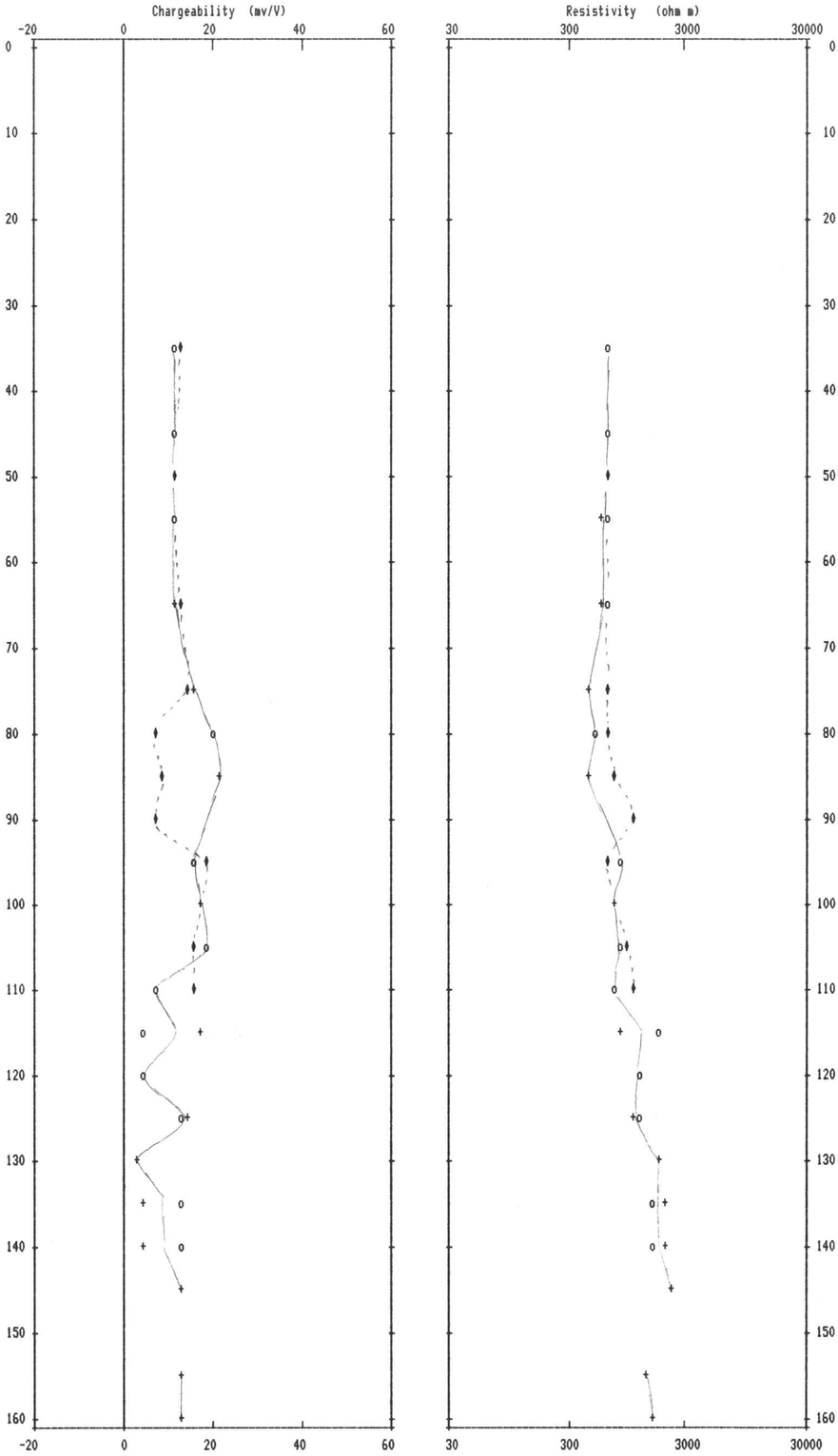
SYM Variable A Spacing

\+ M7 > 20
o M7 20 ——
♦ M7 40 - - -



SYM Variable A Spacing

\+ RHO > 20 ——
o RHO 20 ——
♦ RHO 40 - - -



MINNOVA INC. — LARA PROJECT, B.C.

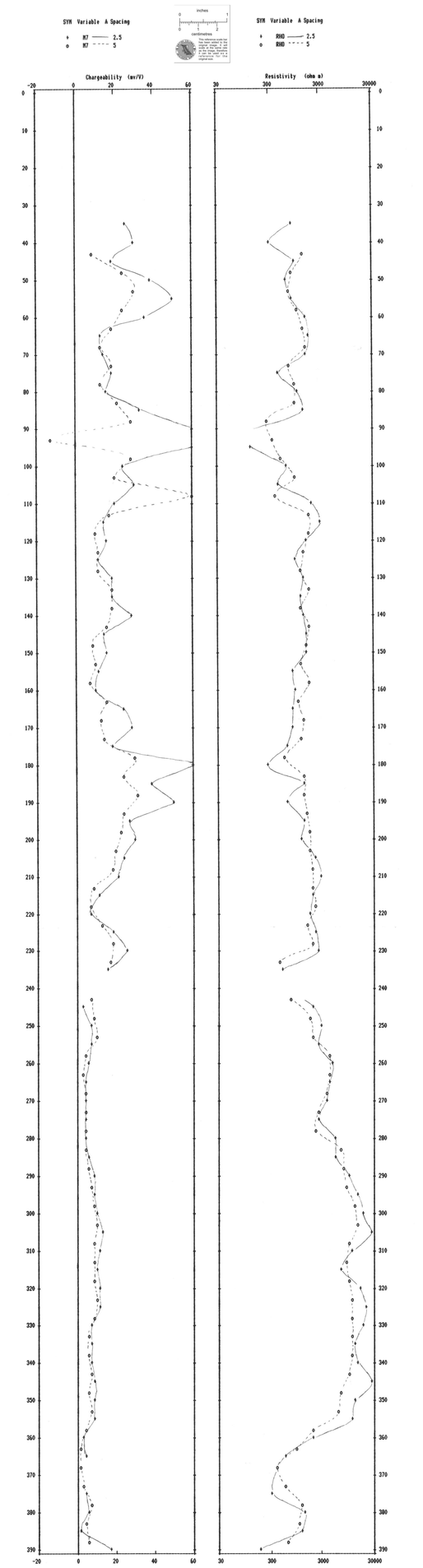
DIRECTIONAL ARRAY (SCINTREX UNIT) C1N

DOWNHOLE IP SURVEY

Scale 1:500

Hole: PL-7

SCOTT GEOPHYSICS LTD.



MINNOVA INC. — LARA PROJECT, B.C.

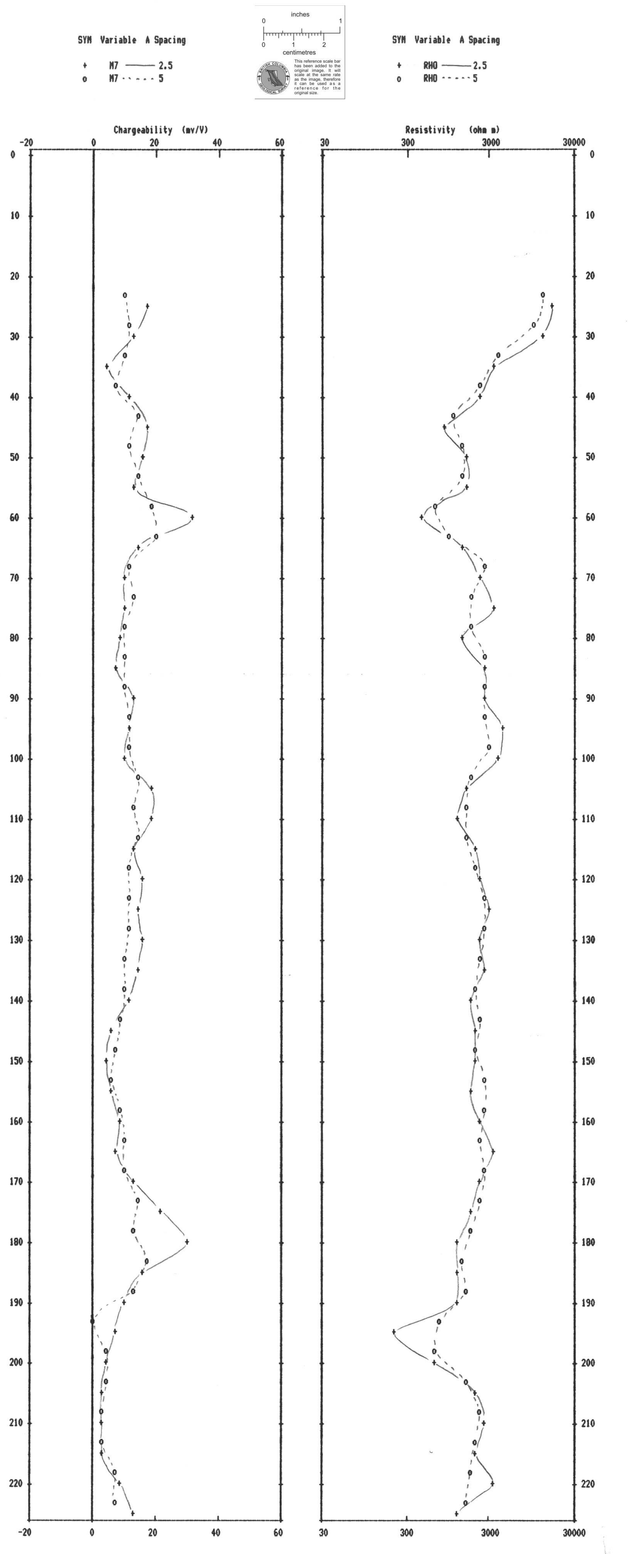
DDH 244 — DETAIL ARRAY

DOWNHOLE IP SURVEY

Scale 1:500

Hole: PL-26

SCOTT GEOPHYSICS LTD.



MINNOVA INC. - LARA PROJECT, B.C.

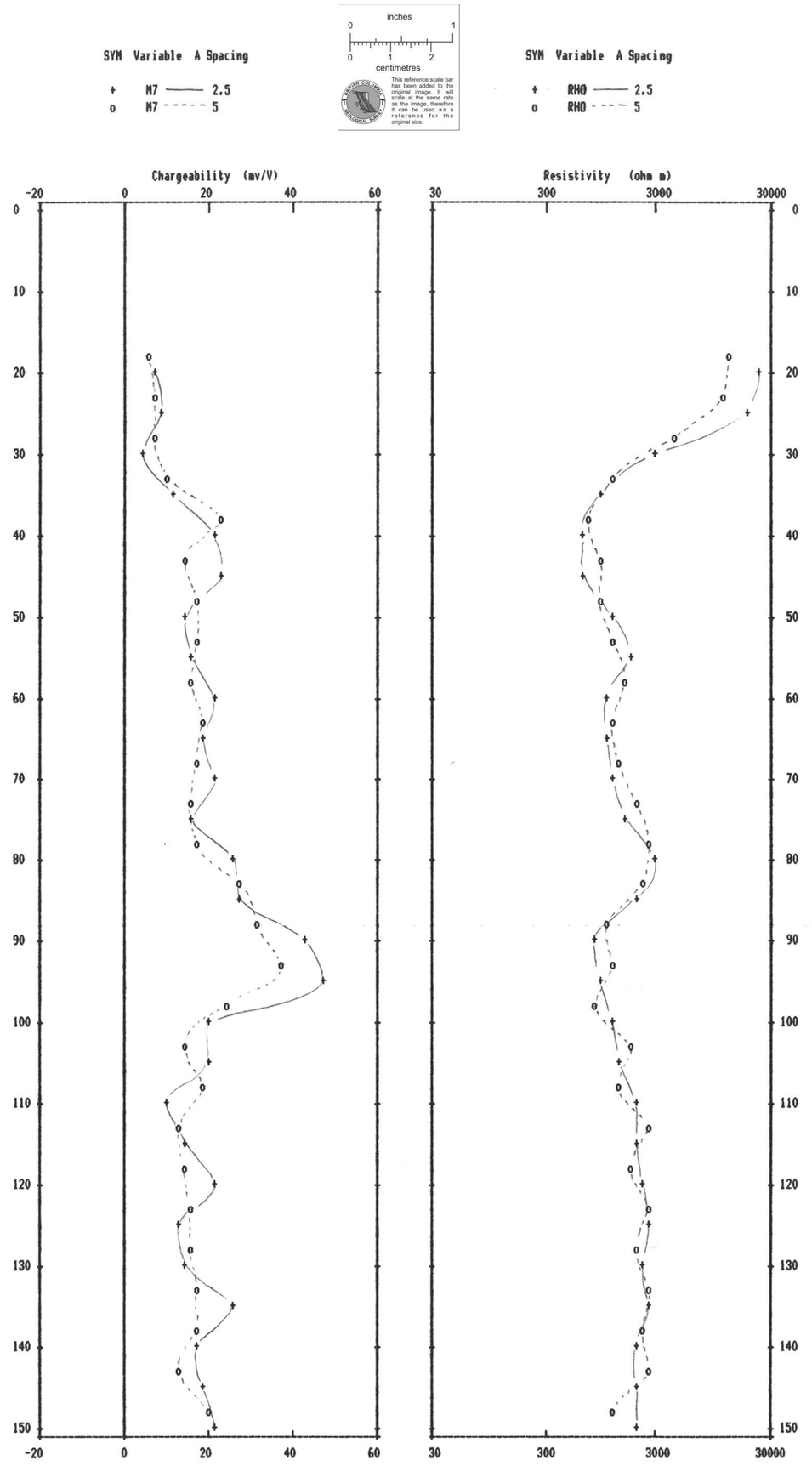
DDH 250 - DETAIL ARRAY

DOWNHOLE IP SURVEY

Scale 1:500

Hole: PL-16

SCOTT GEOPHYSICS LTD.



MINNOVA INC. — LARA PROJECT, B.C.

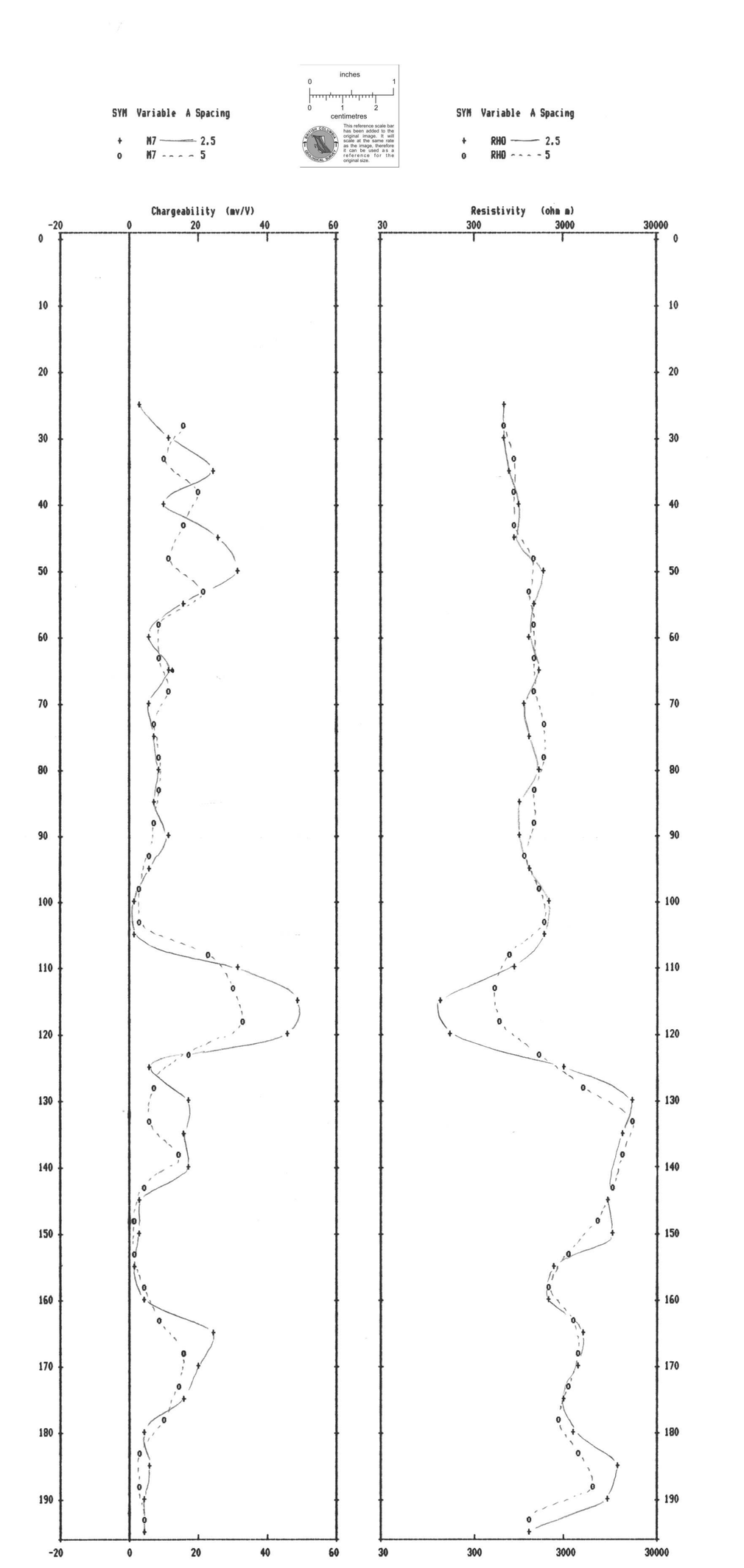
DDH 235 — DETAIL ARRAY

DOWNHOLE IP SURVEY

Scale 1:500

Hole: PL-13

SCOTT GEOPHYSICS LTD.



MINNOVA INC. - LARA PROJECT, B.C.

DDH 246 - DETAIL ARRAY

DOWNHOLE IP SURVEY

Scale 1:500

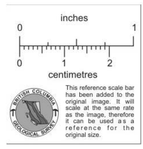
Hole: PL-8

SCOTT GEOPHYSICS LTD.

SYM Variable A Spacing

\+ M7 —— 2.5

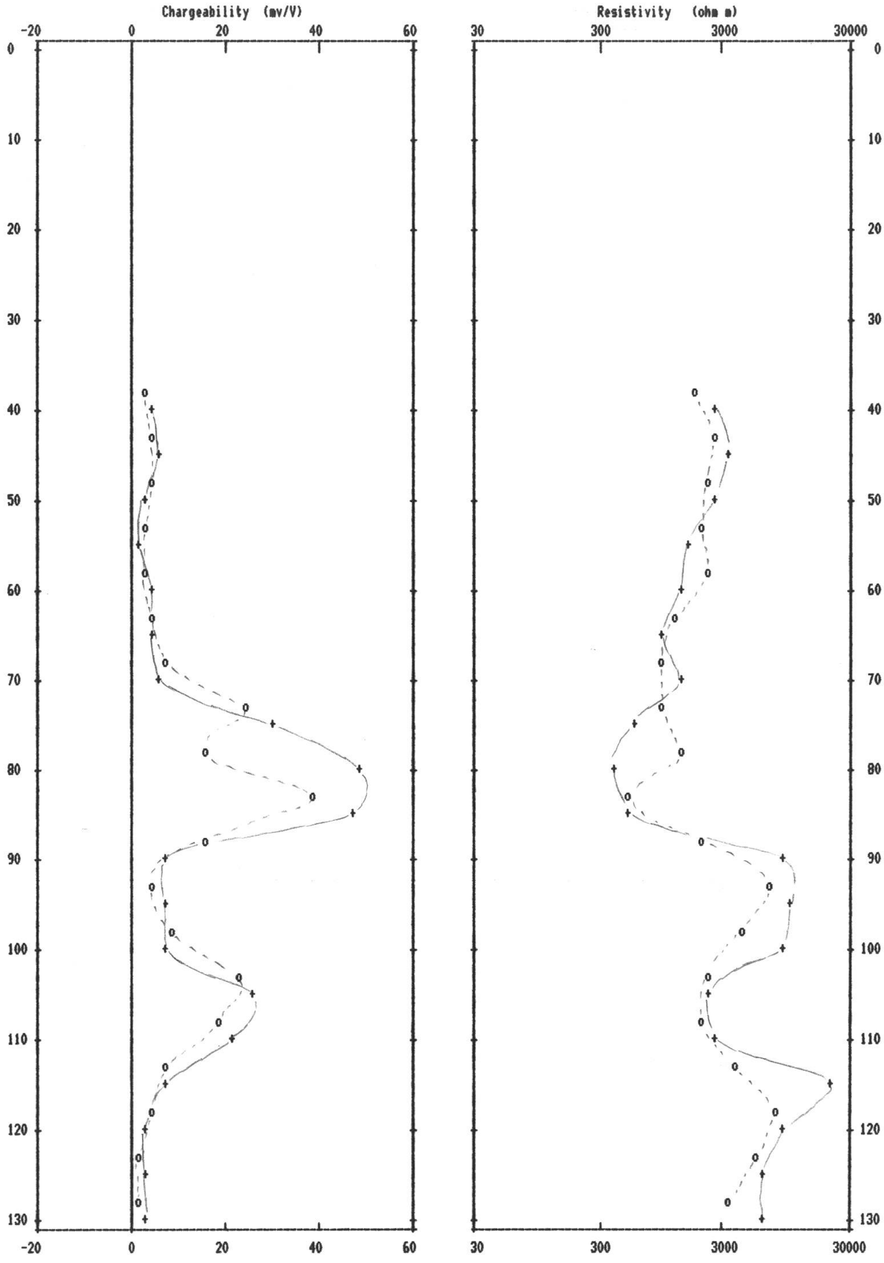
o M7 - - - - - 5



SYM Variable A Spacing

\+ RHO —— 2.5

o RHO - - - - - 5



MINNOVA INC. — LARA PROJECT, B.C.

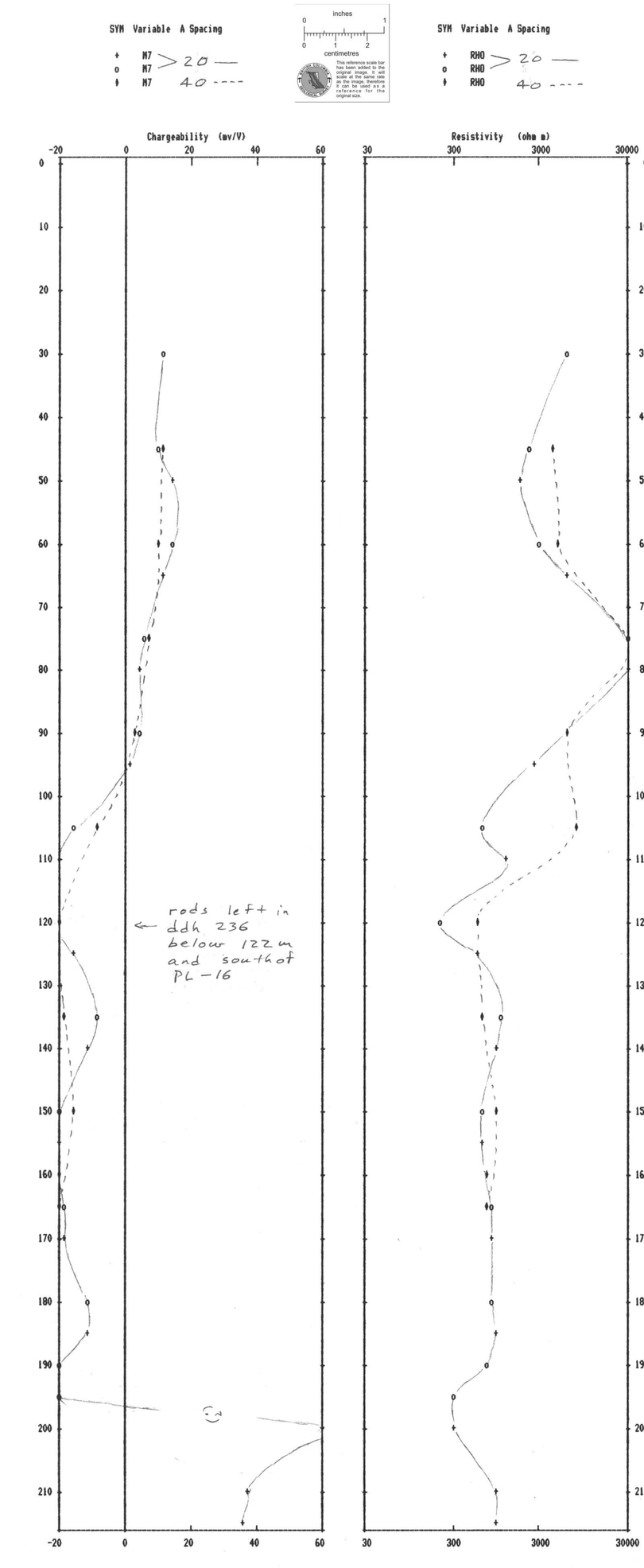
DDH 245 — DETAIL ARRAY

DOWNHOLE IP SURVEY

Scale 1:500

Hole: PL-7

SCOTT GEOPHYSICS LTD.



MINNOVA INC. — LARA PROJECT, B.C.

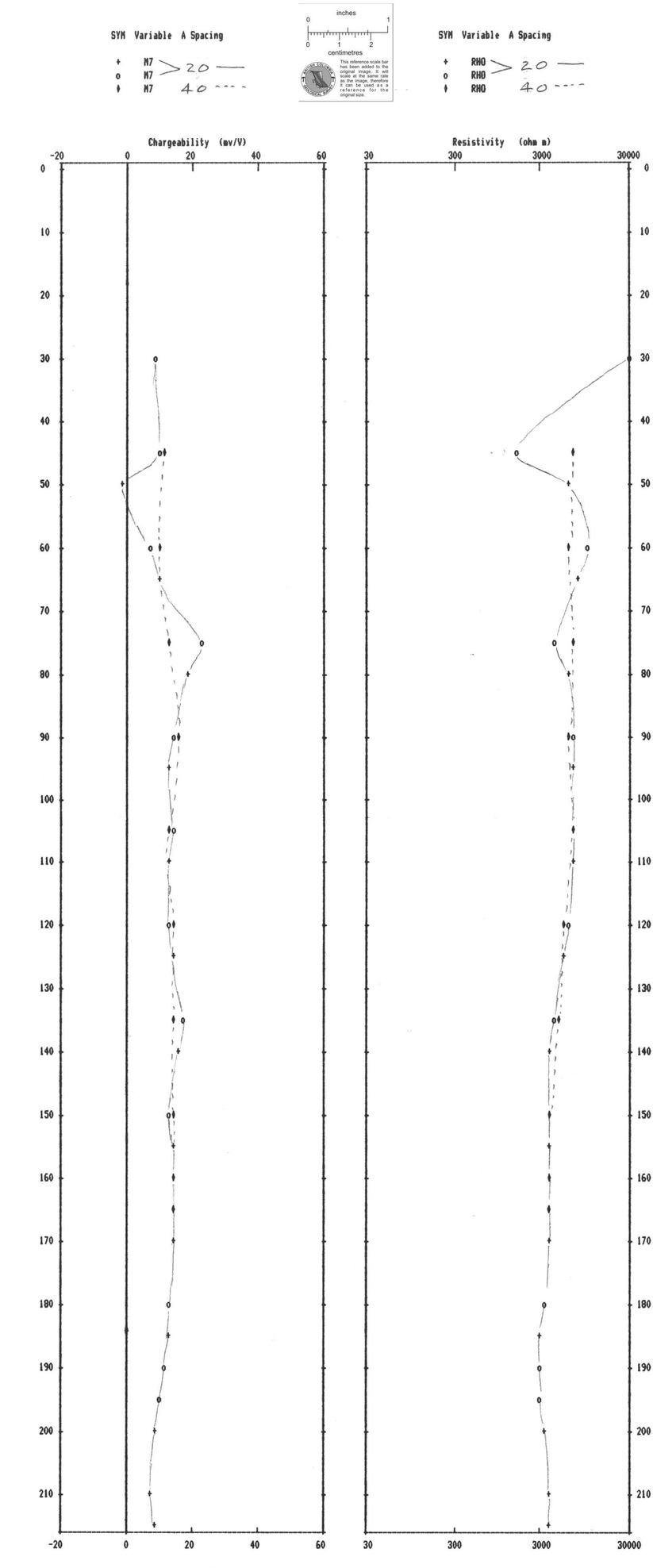
DIRECTIONAL ARRAY — C1 200 meters S

DOWNHOLE IP SURVEY

Scale 1:500

Hole: PL-16

SCOTT GEOPHYSICS LTD.



MINNOVA INC. — LARA PROJECT, B.C.

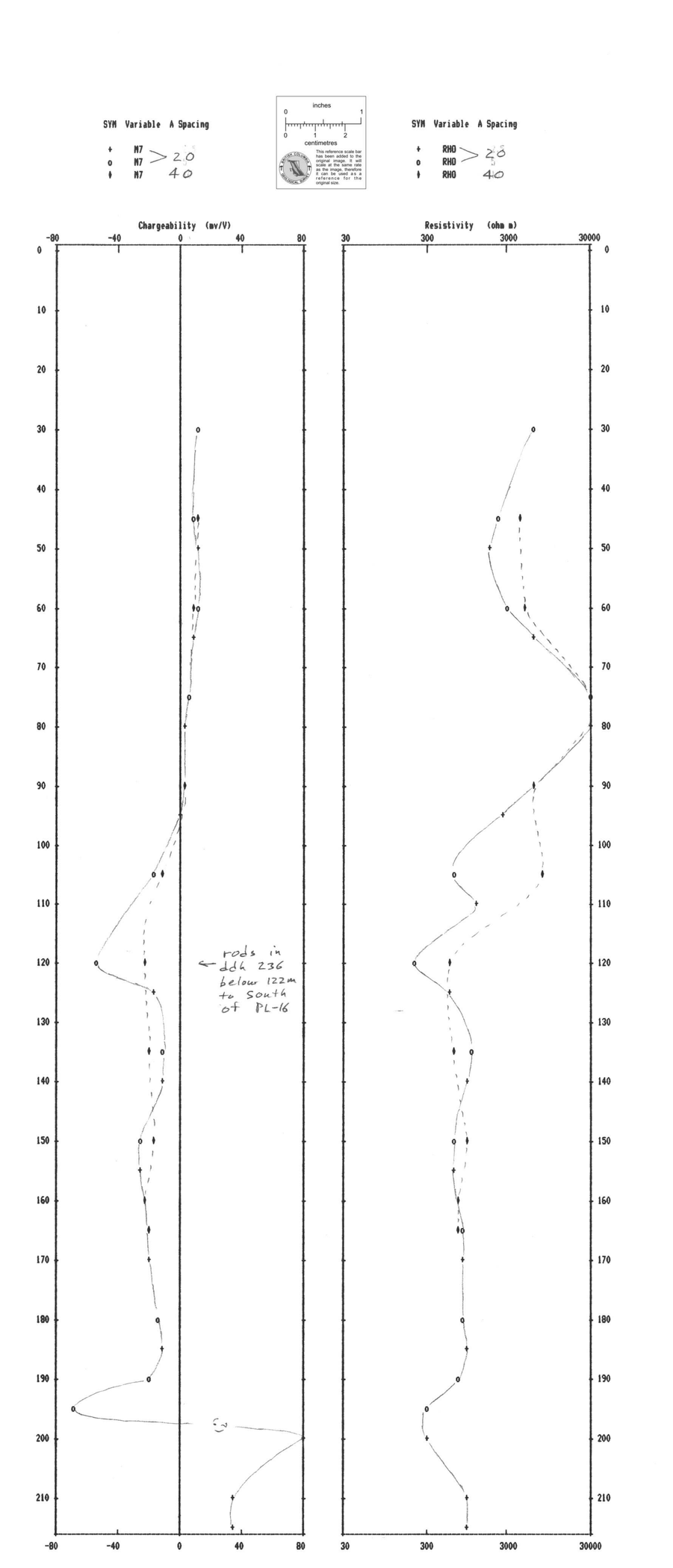
DIRECTIONAL ARRAY — C1 200 meters W

DOWNHOLE IP SURVEY

Scale 1:500

Hole: PL-16

SCOTT GEOPHYSICS LTD.



MINNOVA INC. — LARA PROJECT, B.C.

DIRECTIONAL ARRAY — C1 200 meters S

DOWNHOLE IP SURVEY

Scale 1:500

Hole: PL-16

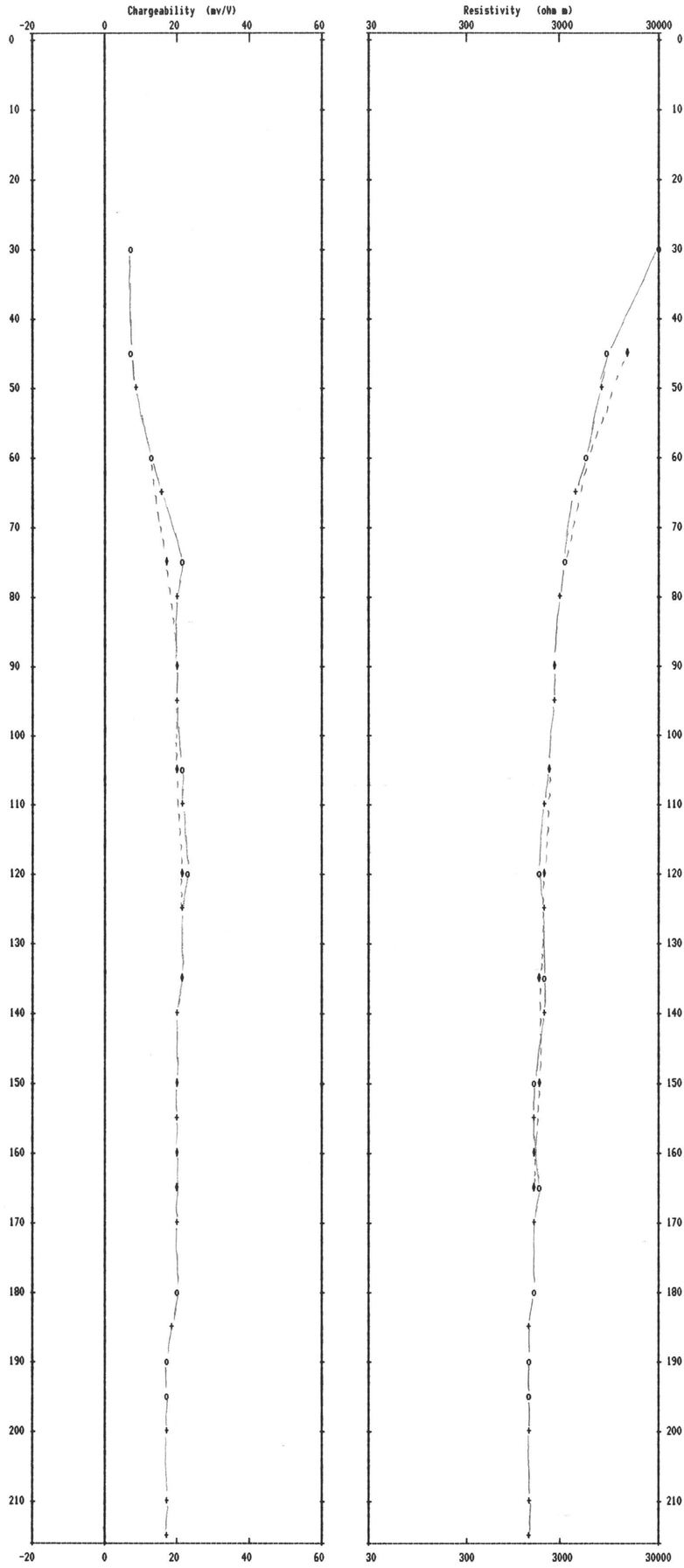
SCOTT GEOPHYSICS LTD.

SYM Variable A Spacing

+ M7 > 20
o M7
♦ M7 40

SYM Variable A Spacing

+ RHO > 20
o RHO
♦ RHO 40



MINNOVA INC. — LARA PROJECT, B.C.

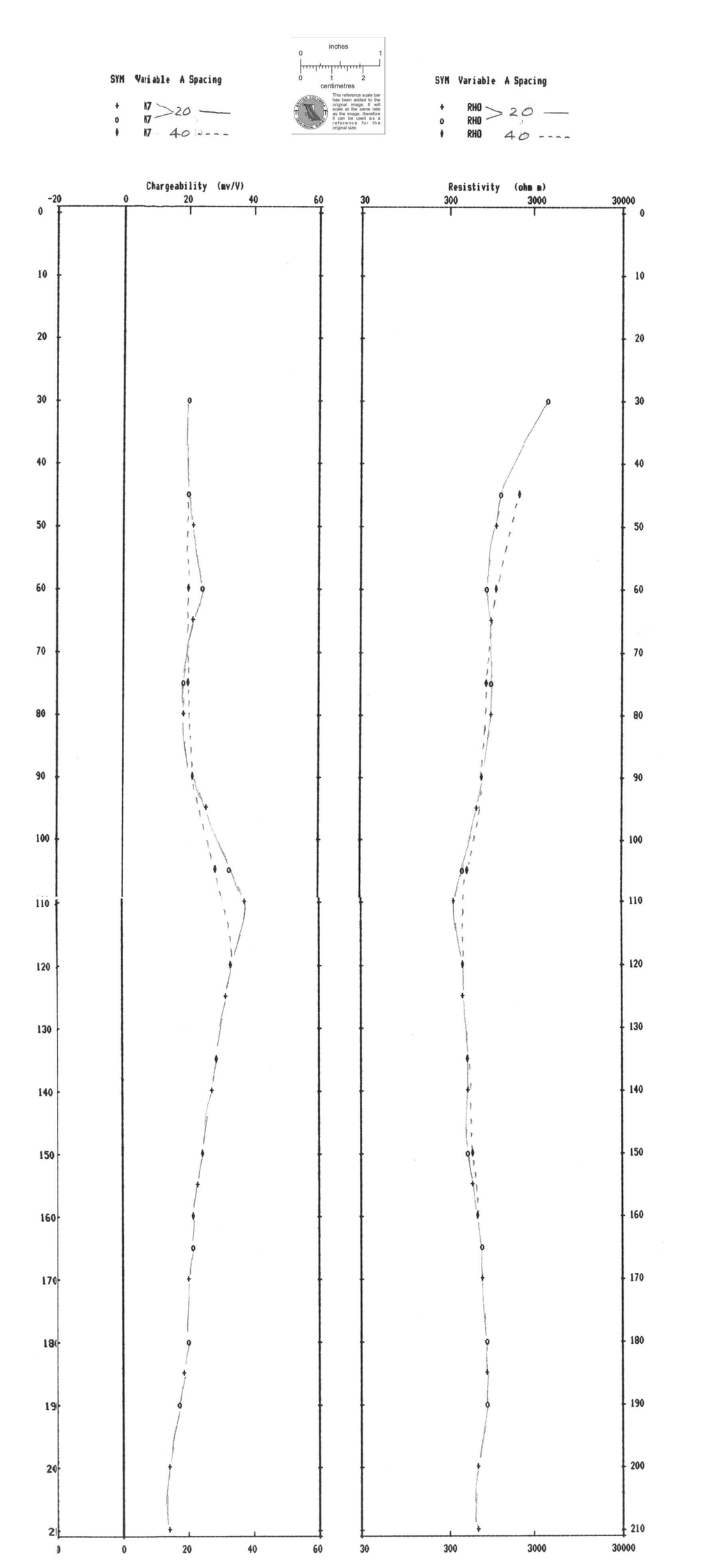
DIRECTIONAL ARRAY — C1 200 meters E

DOWNHOLE IP SURVEY

Scale 1:500

Hole: PL-16

SCOTT GEOPHYSICS LTD.



MINNOVA INC. — LARA PROJECT, B.C.

DIRECTIONAL ARRAY — C1 200 meters N

DOWNHOLE IP SURVEY

Scale 1:500

Hole: PL-16

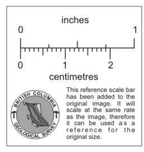
SCOTT GEOPHYSICS LTD.

SYM Variable A Spacing

\+ M7 > 20 ——

o M7

♦ M7 40 - - - - -

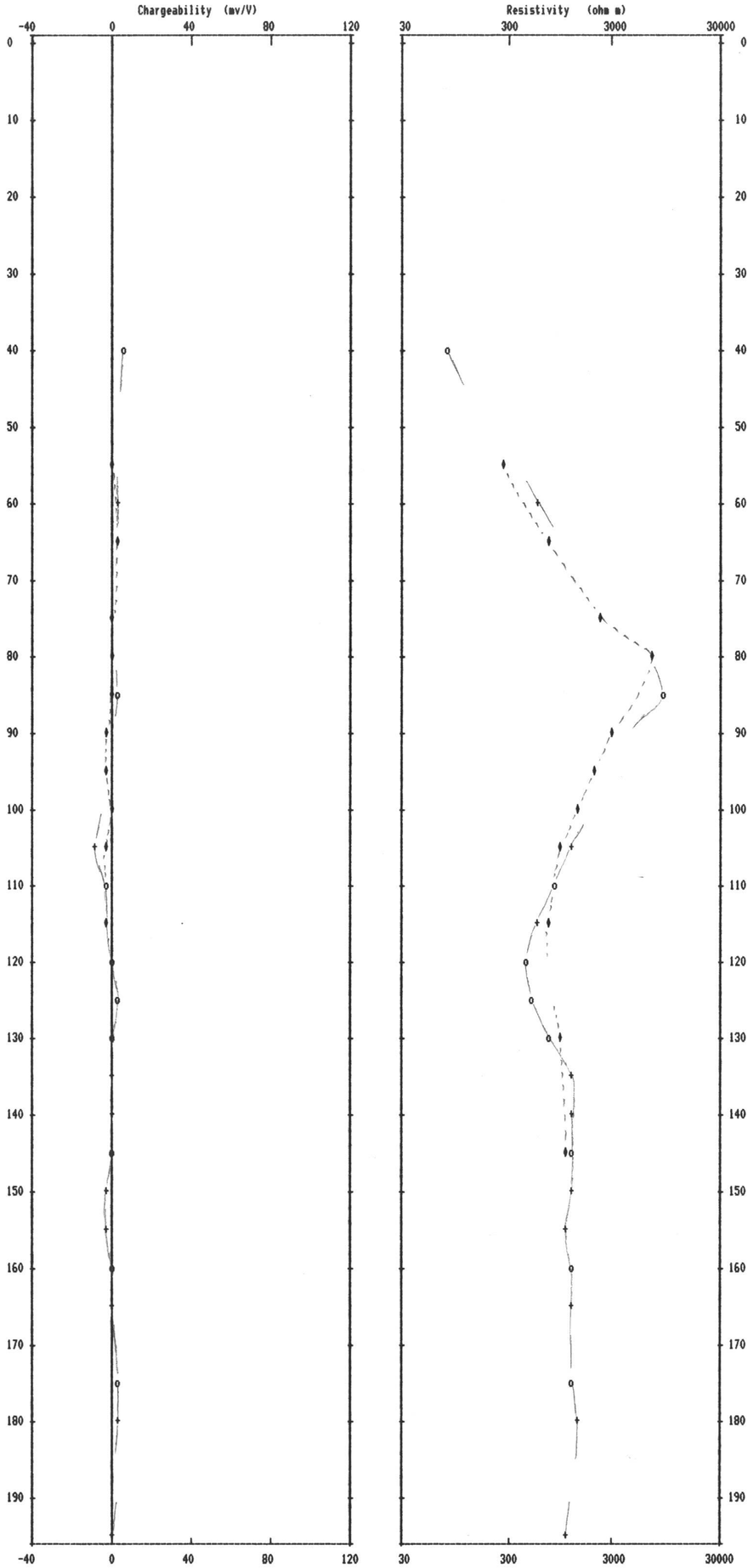


SYM Variable A Spacing

\+ RHO > 20 ——

o RHO

♦ RHO 40 - - - - -



MINNOVA INC. — LARA PROJECT, B.C.

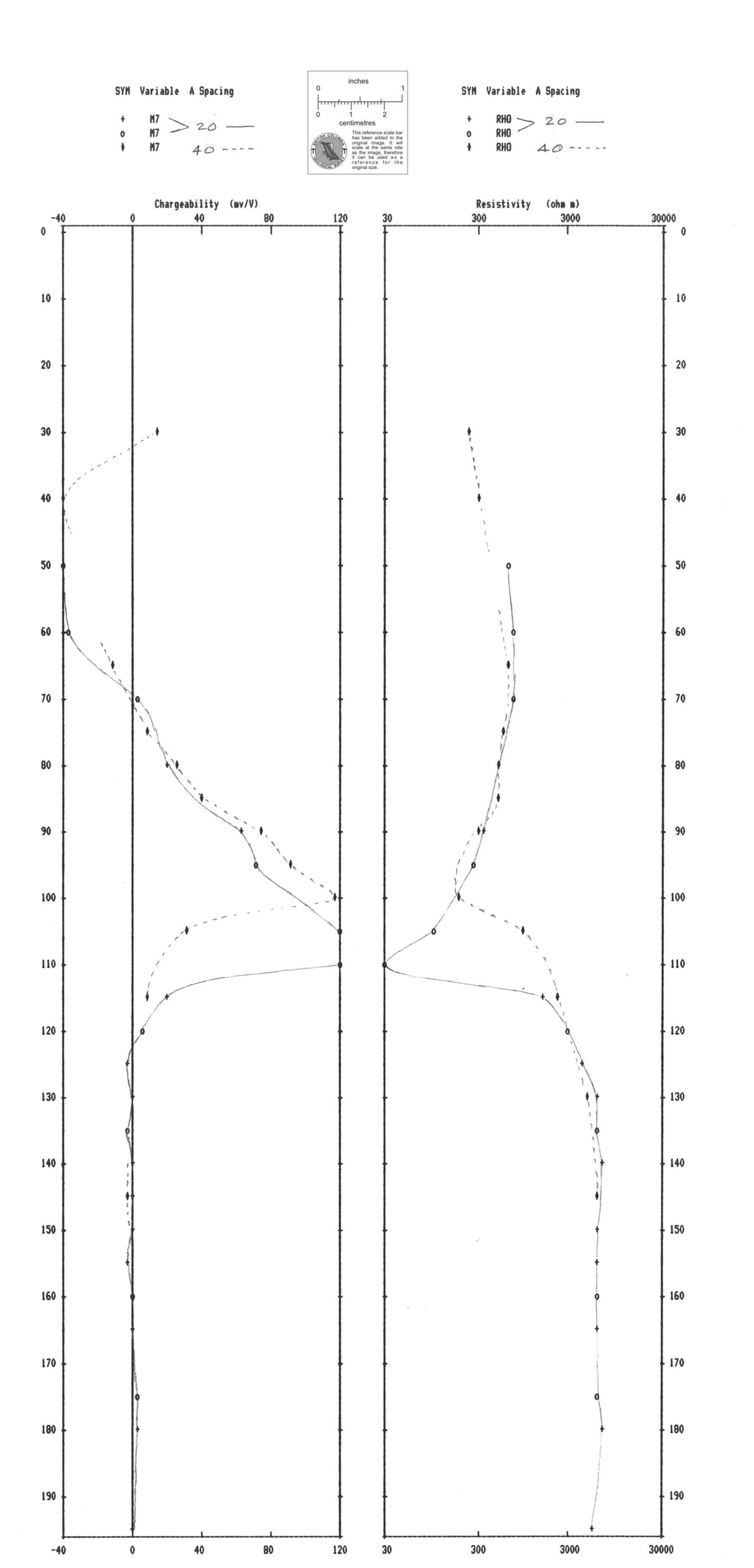
DIRECTIONAL ARRAY — C1 200 meters S

DOWNHOLE IP SURVEY

Scale 1:500

Hole: PL-8

SCOTT GEOPHYSICS LTD.



MINNOVA INC. — LARA PROJECT, B.C.

DIRECTIONAL ARRAY — C1 200 meters E

DOWNHOLE IP SURVEY

Scale 1:500

Hole: PL-8

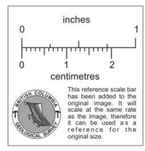
SCOTT GEOPHYSICS LTD.

SYM Variable A Spacing

\+ M7 > 20 ——

o M7 40 - - - -

♦ M7

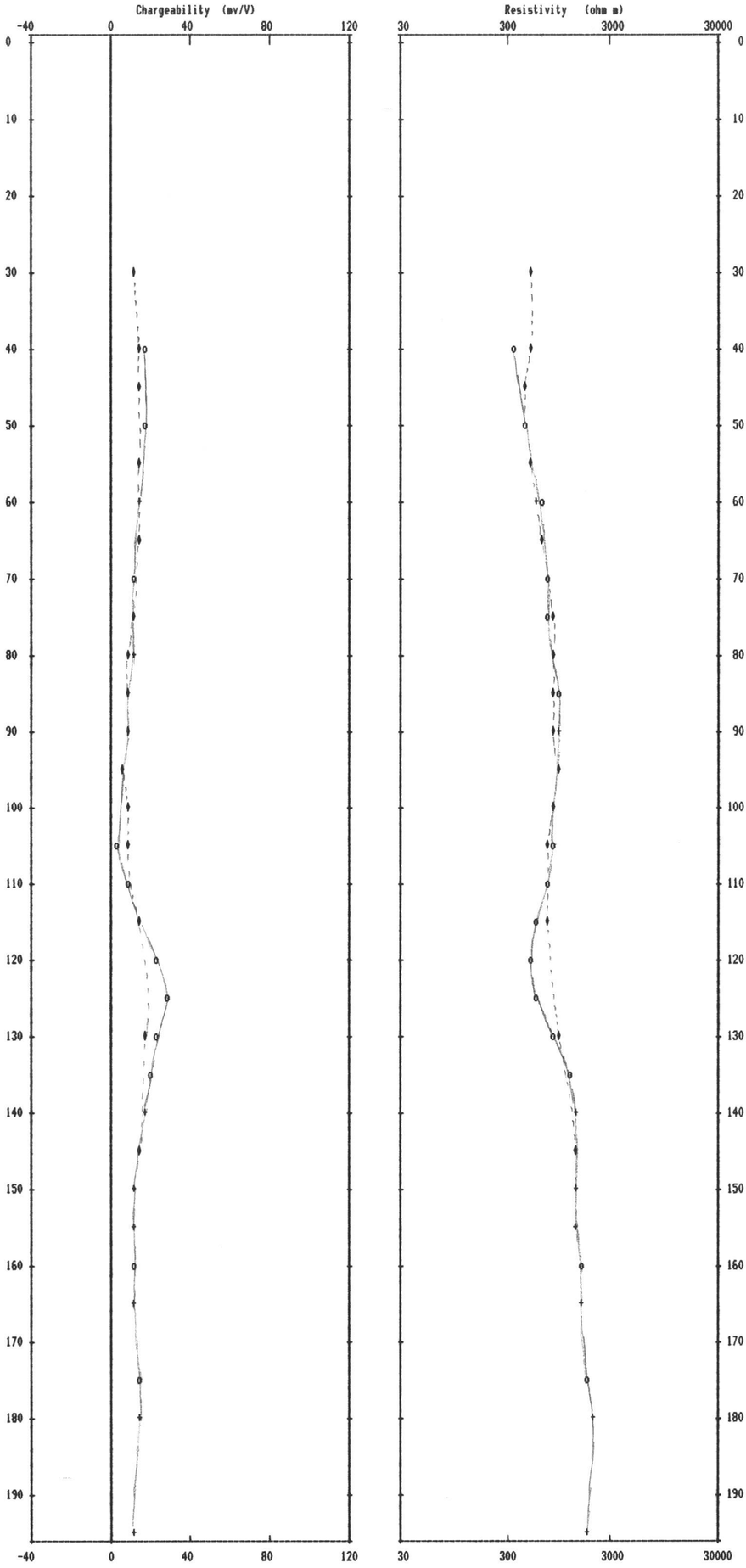


SYM Variable A Spacing

\+ RHO > 20 ——

o RHO 40 - - - -

♦ RHO



MINNOVA INC. — LARA PROJECT, B.C.

DIRECTIONAL ARRAY — C1 200 meters N

DOWNHOLE IP SURVEY

Scale 1:500

Hole: PL-8

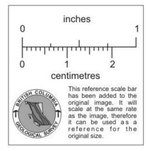
SCOTT GEOPHYSICS LTD.

SYM Variable A Spacing

\+ M7 > 20 ——

o M7

♦ M7 40 - - - -

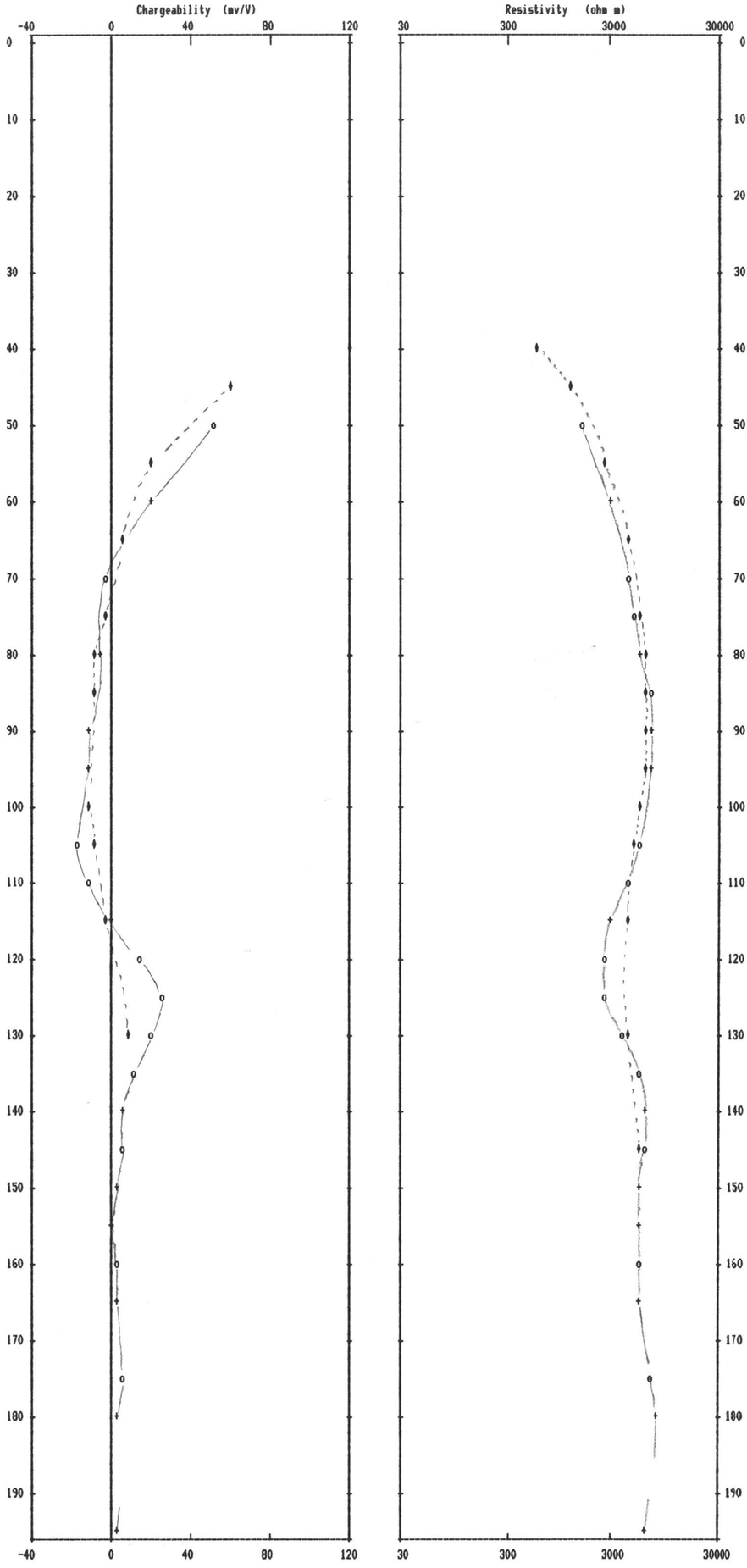


SYM Variable A Spacing

\+ RHO > 20 ——

o RHO

♦ RHO 40 - - - -



MINNOVA INC. — LARA PROJECT, B.C.

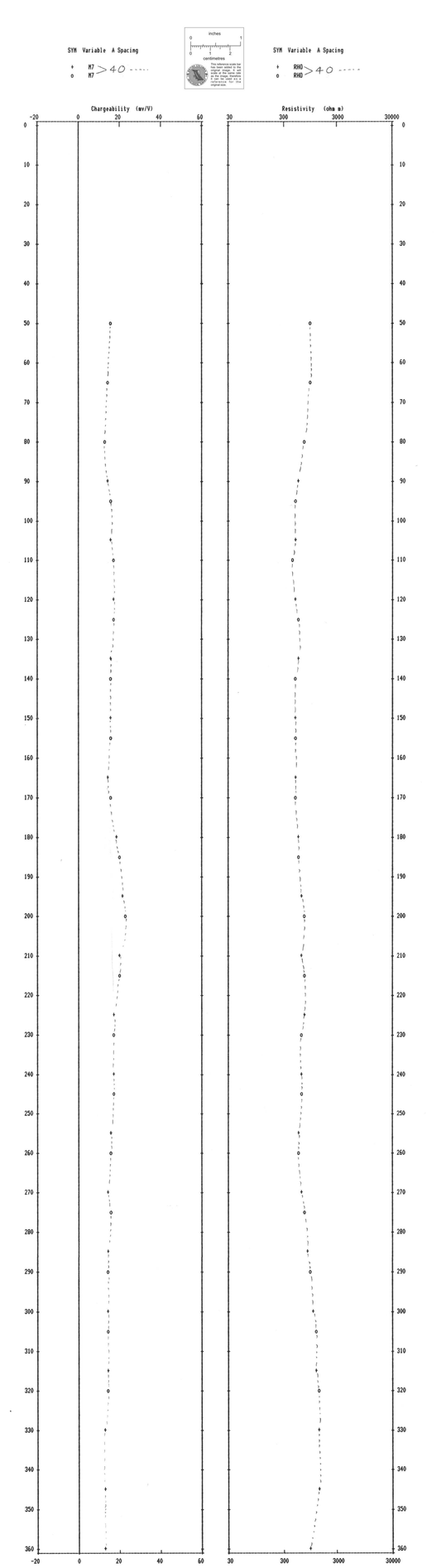
DIRECTIONAL ARRAY — C1 200 meters W

DOWNHOLE IP SURVEY

Scale 1:500

Hole: PL-8

SCOTT GEOPHYSICS LTD.



MINNOVA INC. — LARA PROJECT, B.C.

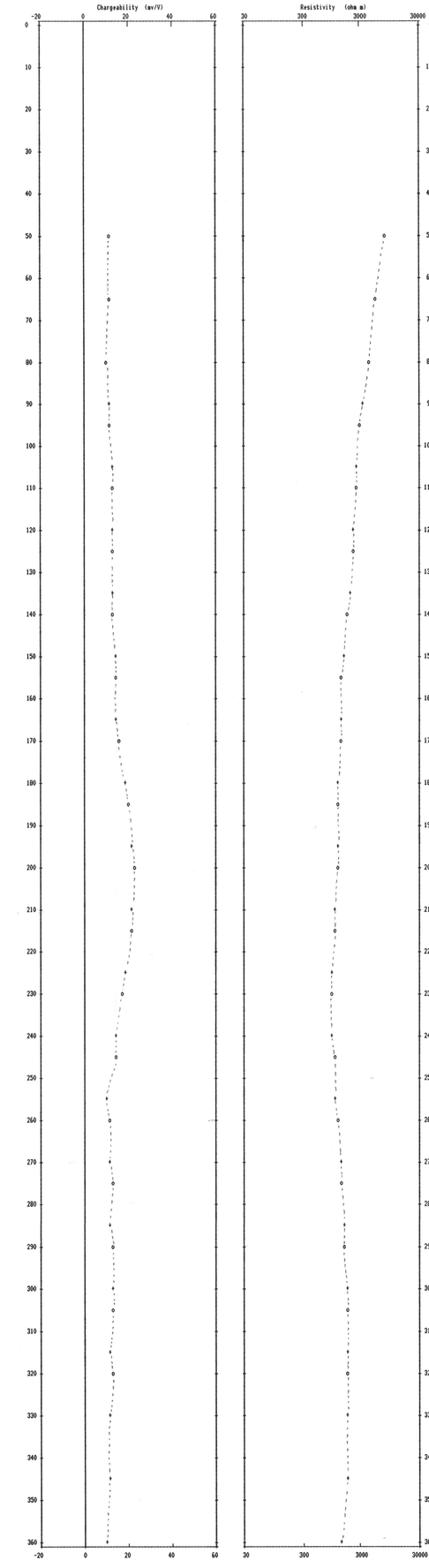
DIRECTIONAL ARRAY — C1 250 meters N

DOWNHOLE IP SURVEY

Scale 1:500

Hole: PL-26

SCOTT GEOPHYSICS LTD.



MINNOVA INC. — LARA PROJECT, B.C.

DIRECTIONAL ARRAY — C1 250 meters E

DOWNHOLE IP SURVEY

Scale 1:500

Hole: PL-26

SCOTT GEOPHYSICS LTD.

SYM Variable A Spacing

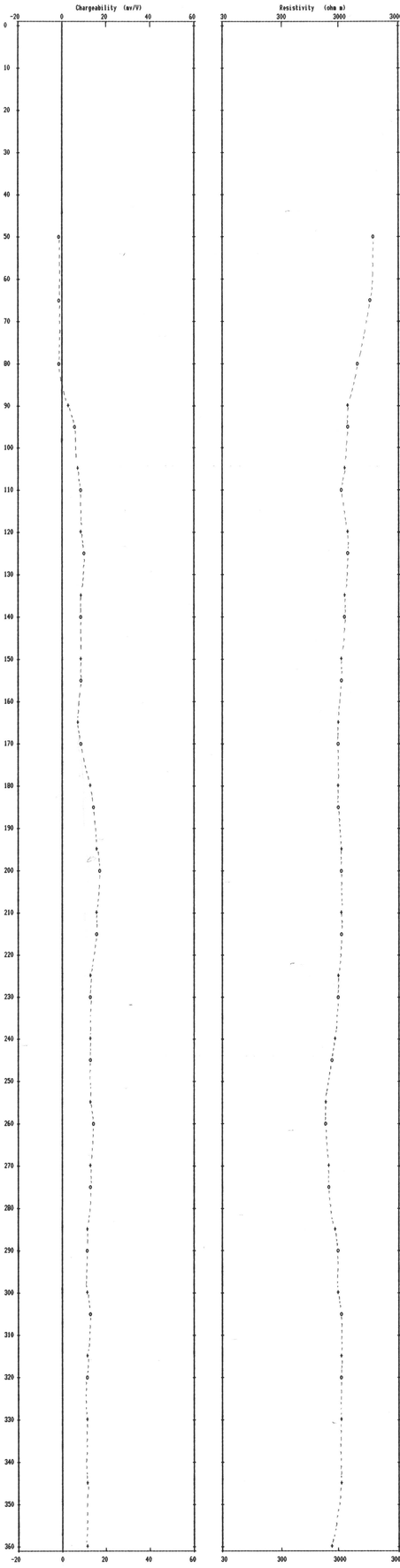
M7 > 40

M7

SYM Variable A Spacing

RMD > 40

RMD



MINNOVA INC. - LARA PROJECT, B.C.

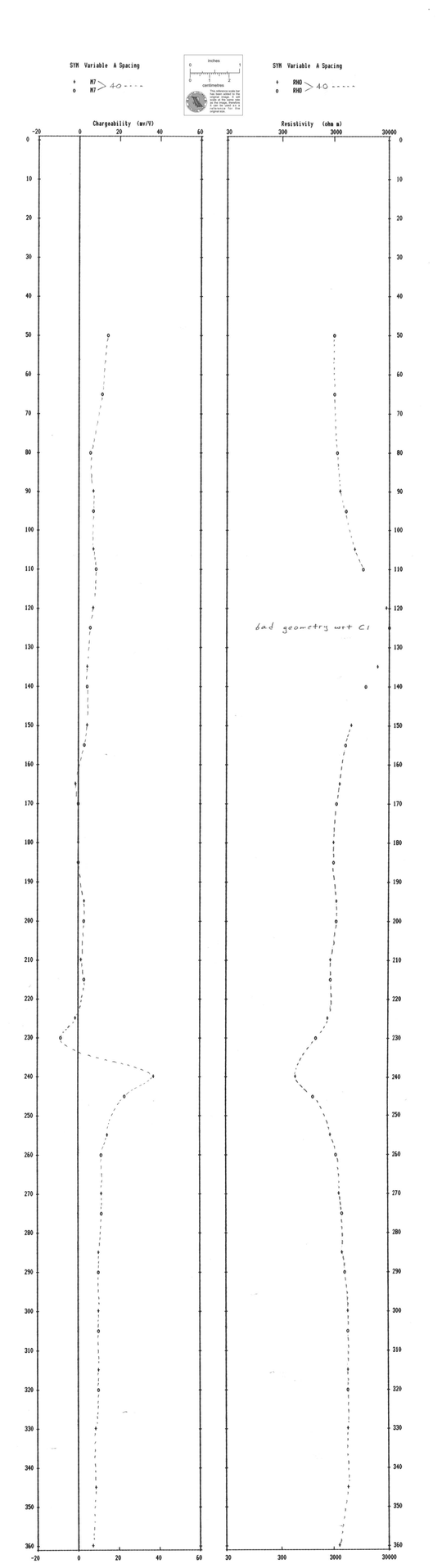
DIRECTIONAL ARRAY - C1 250 meters W

DOWNHOLE IP SURVEY

Scale 1:500

Hole: PL-26

SCOTT GEOPHYSICS LTD.



MINNOVA INC. — LARA PROJECT, B.C.

DIRECTIONAL ARRAY — C1 250 meters S

DOWNHOLE IP SURVEY

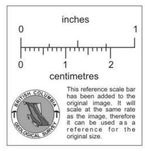
Scale 1:500

Hole: PL-26

SCOTT GEOPHYSICS LTD.

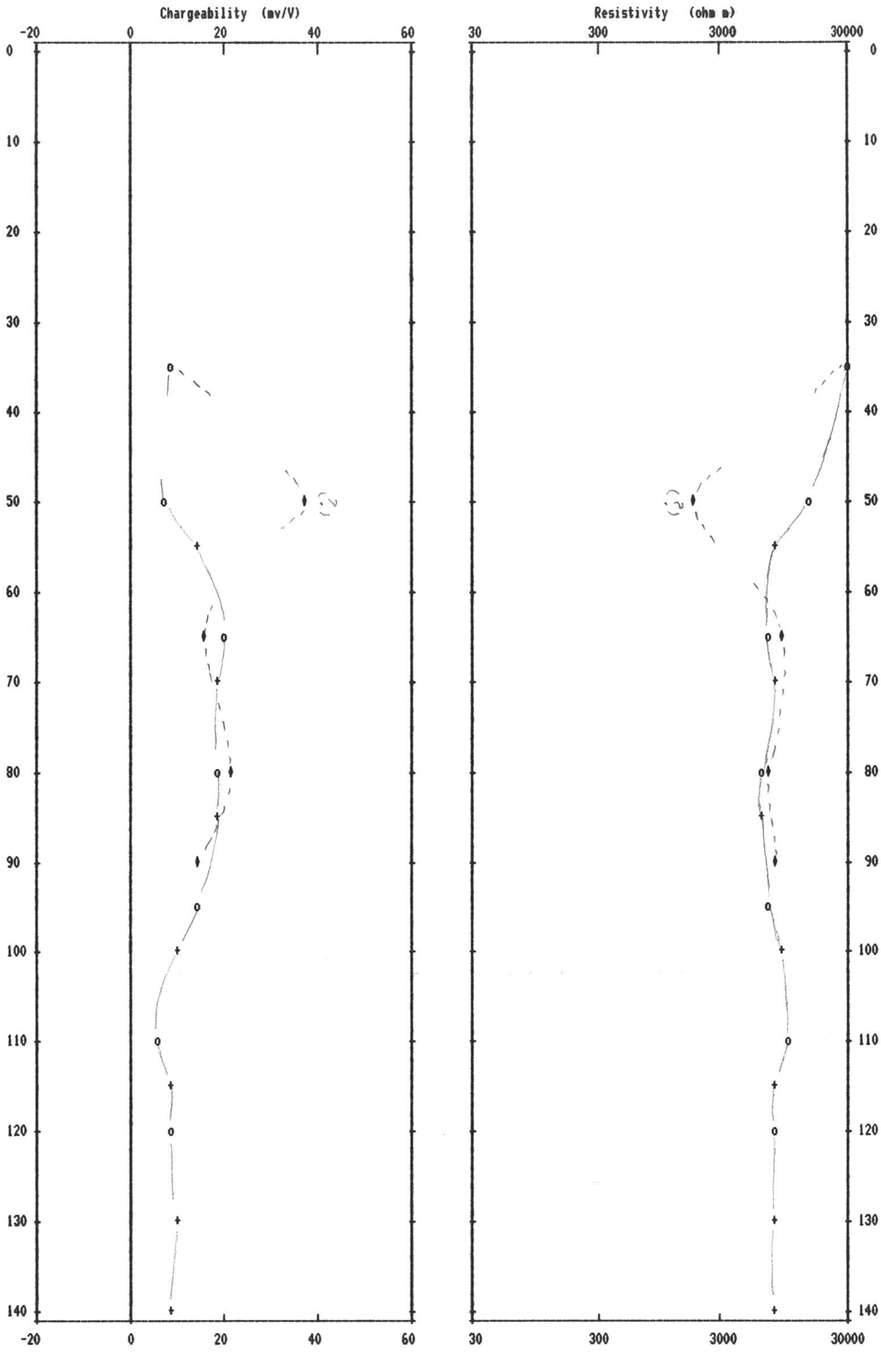
SYM Variable A Spacing

\+ M7 20
o M7
◊ M7 40



SYM Variable A Spacing

\+ RHO 20
o RHO
◊ RHO 40



MINNOVA INC. — LARA PROJECT, B.C.

DIRECTIONAL ARRAY — C1 200 meters W

DOWNHOLE IP SURVEY

Scale 1:500

Hole: PL-13

SCOTT GEOPHYSICS LTD.

SYM Variable A Spacing

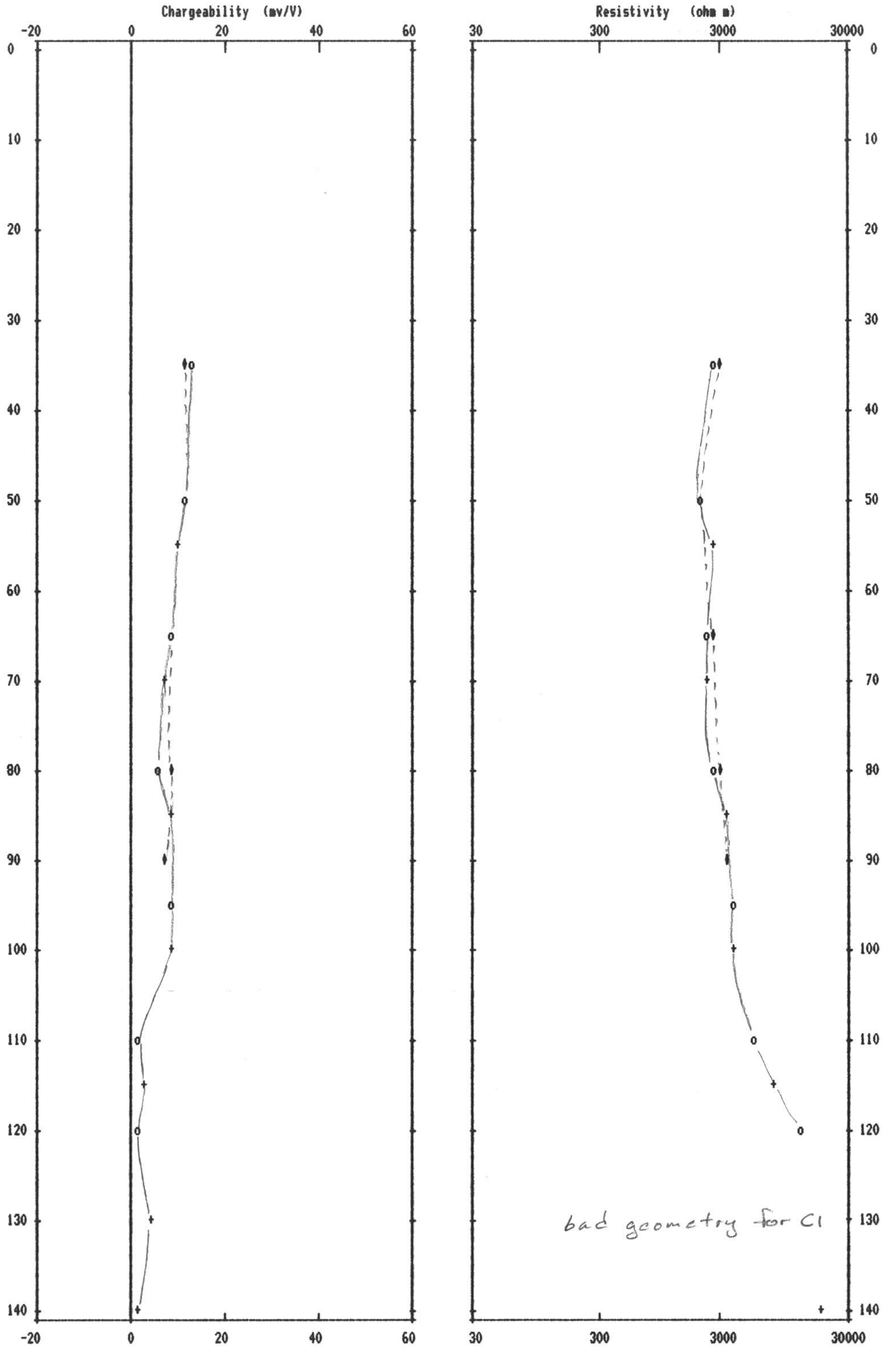
\+ M7 > 20
o M7 > 20
◊ M7 40

inches
0 1
0 1 2
centimetres

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

SYM Variable A Spacing

\+ RHO > 20
o RHO > 20
◊ RHO 40



MINNOVA INC. — LARA PROJECT, B.C.

DIRECTIONAL ARRAY — C1 200 meters S

DOWNHOLE IP SURVEY

Scale 1:500

Hole: PL-13

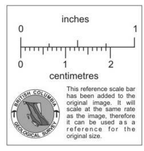
SCOTT GEOPHYSICS LTD.

SYM Variable A Spacing

+ M7 > 20 ——

o M7 40 - - - -

♦ M7

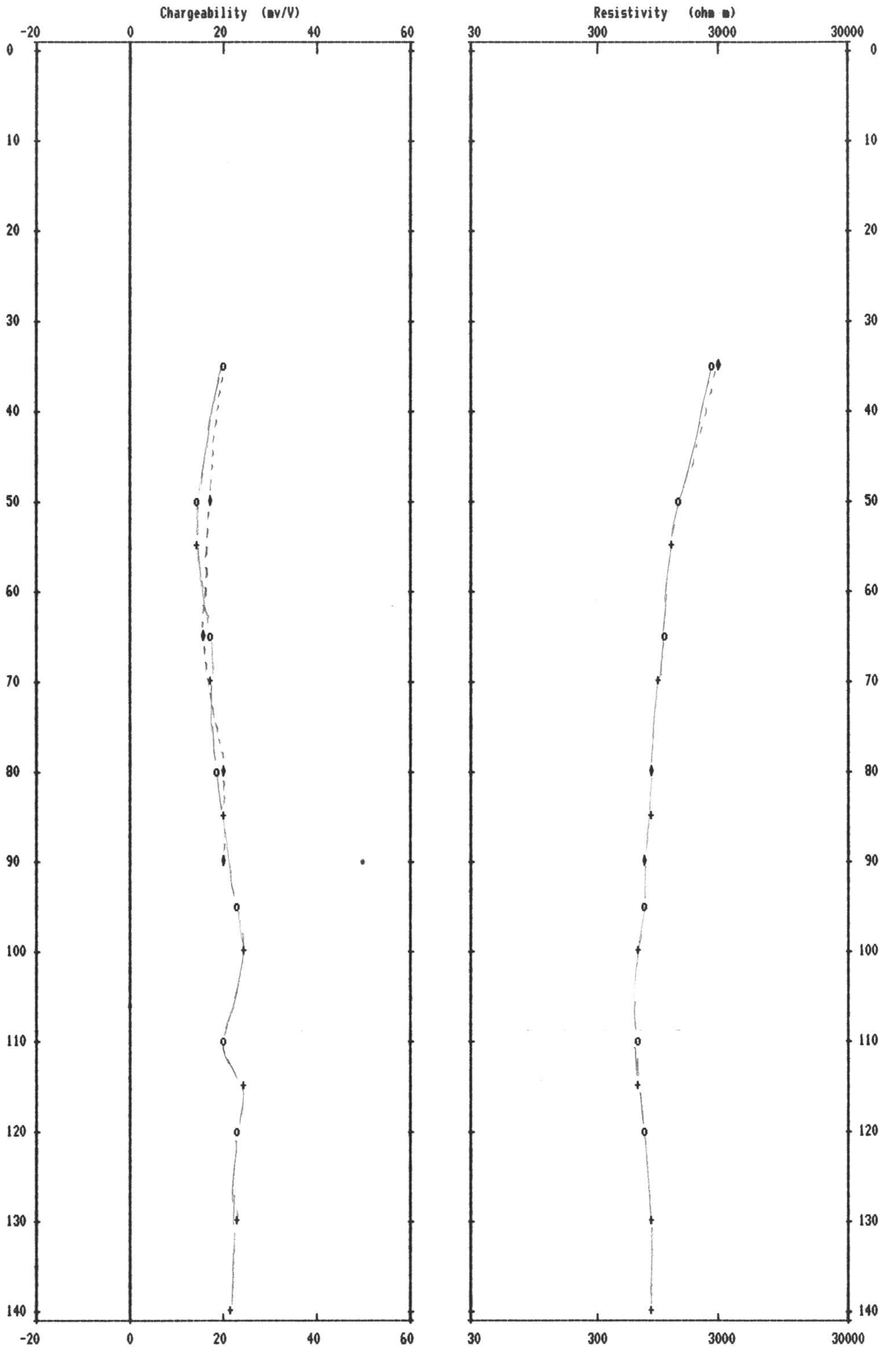


SYM Variable A Spacing

+ RHO > 20 ——

o RHO 40 - - - -

♦ RHO



MINNOVA INC. — LARA PROJECT, B.C.

DIRECTIONAL ARRAY — C1 200 meters N

DOWNHOLE IP SURVEY

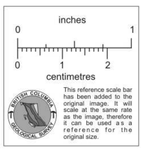
Scale 1:500

Hole: PL-13

SCOTT GEOPHYSICS LTD.

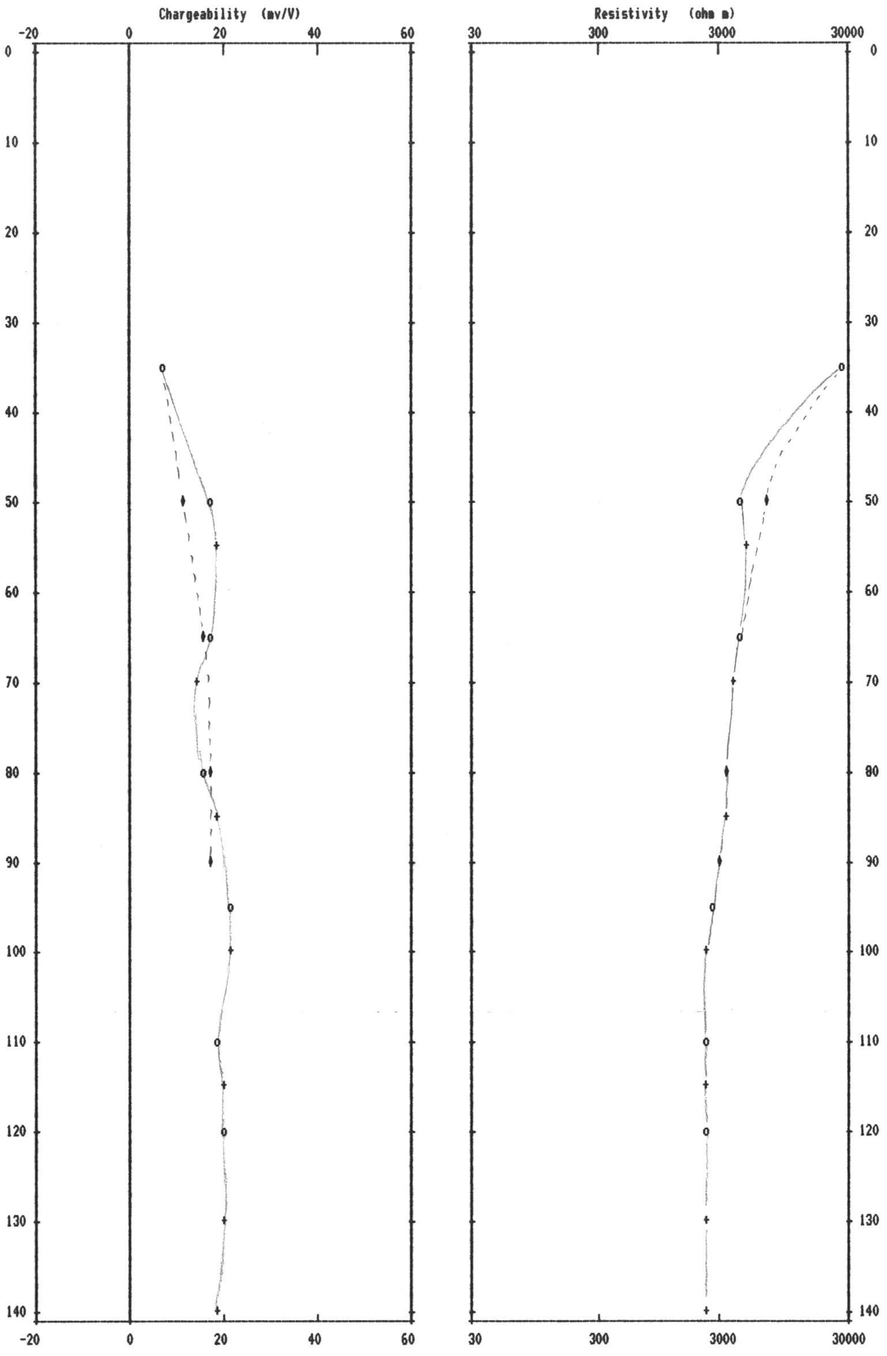
SYM Variable A Spacing

+ M7 20
o M7 20
◊ M7 40



SYM Variable A Spacing

+ RHO 20
o RHO 20
◊ RHO 40



MINNOVA INC. — LARA PROJECT, B.C.

DIRECTIONAL ARRAY — C1 200 meters E

DOWNHOLE IP SURVEY

Scale 1:500

Hole: PL-13

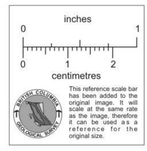
SCOTT GEOPHYSICS LTD.

SYM Variable A Spacing

\+ M7 > 20 ——

o M7 20 ——

♦ M7 40 - - - -

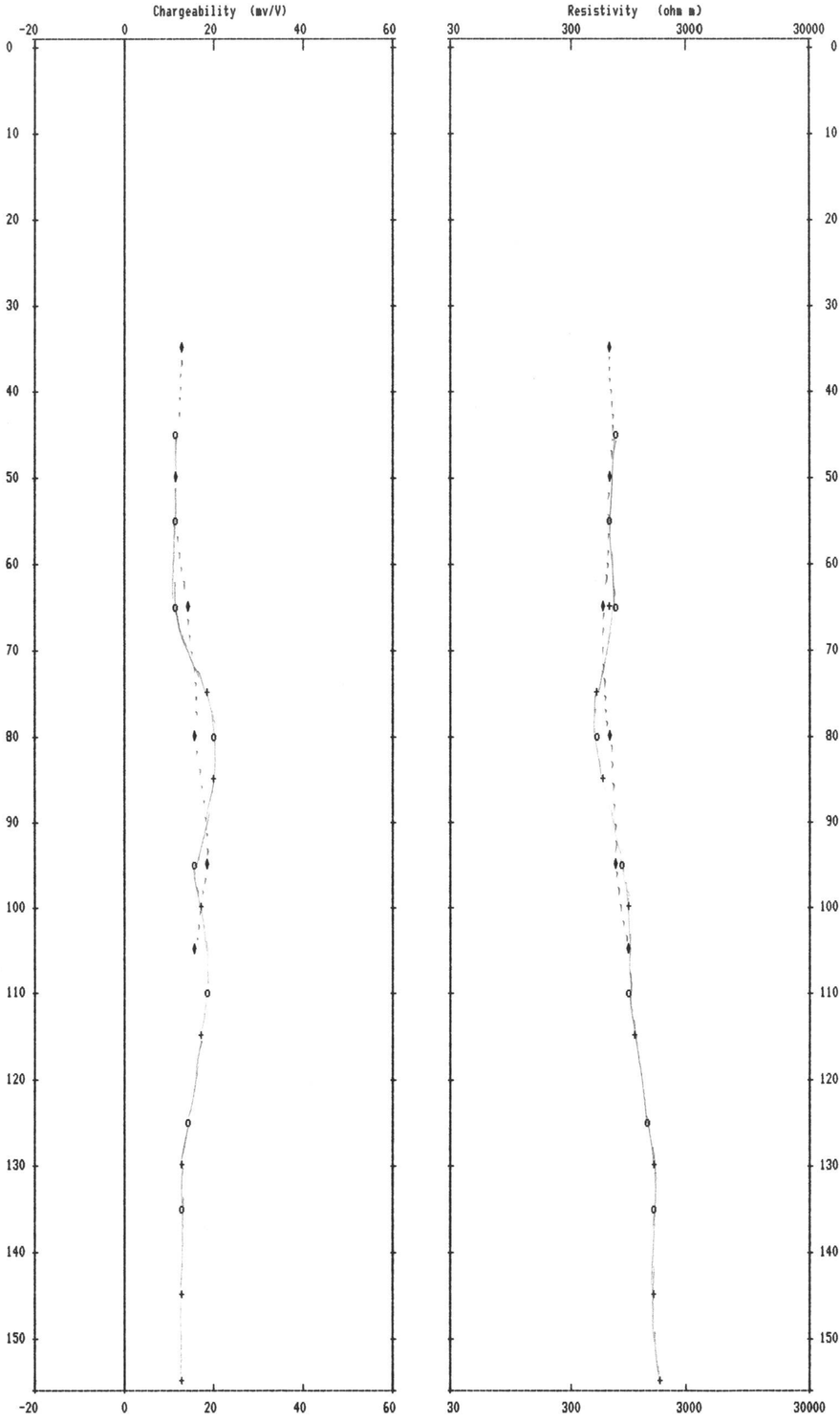


SYM Variable A Spacing

\+ RHO > 20 ——

o RHO 20 ——

♦ RHO 40 - - - -



MINNOVA INC. — LARA PROJECT, B.C.

DIRECTIONAL ARRAY — C1 200 meters N

DOWNHOLE IP SURVEY

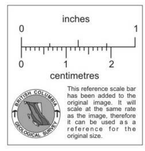
Scale 1:500

Hole: PL-7

SCOTT GEOPHYSICS LTD.

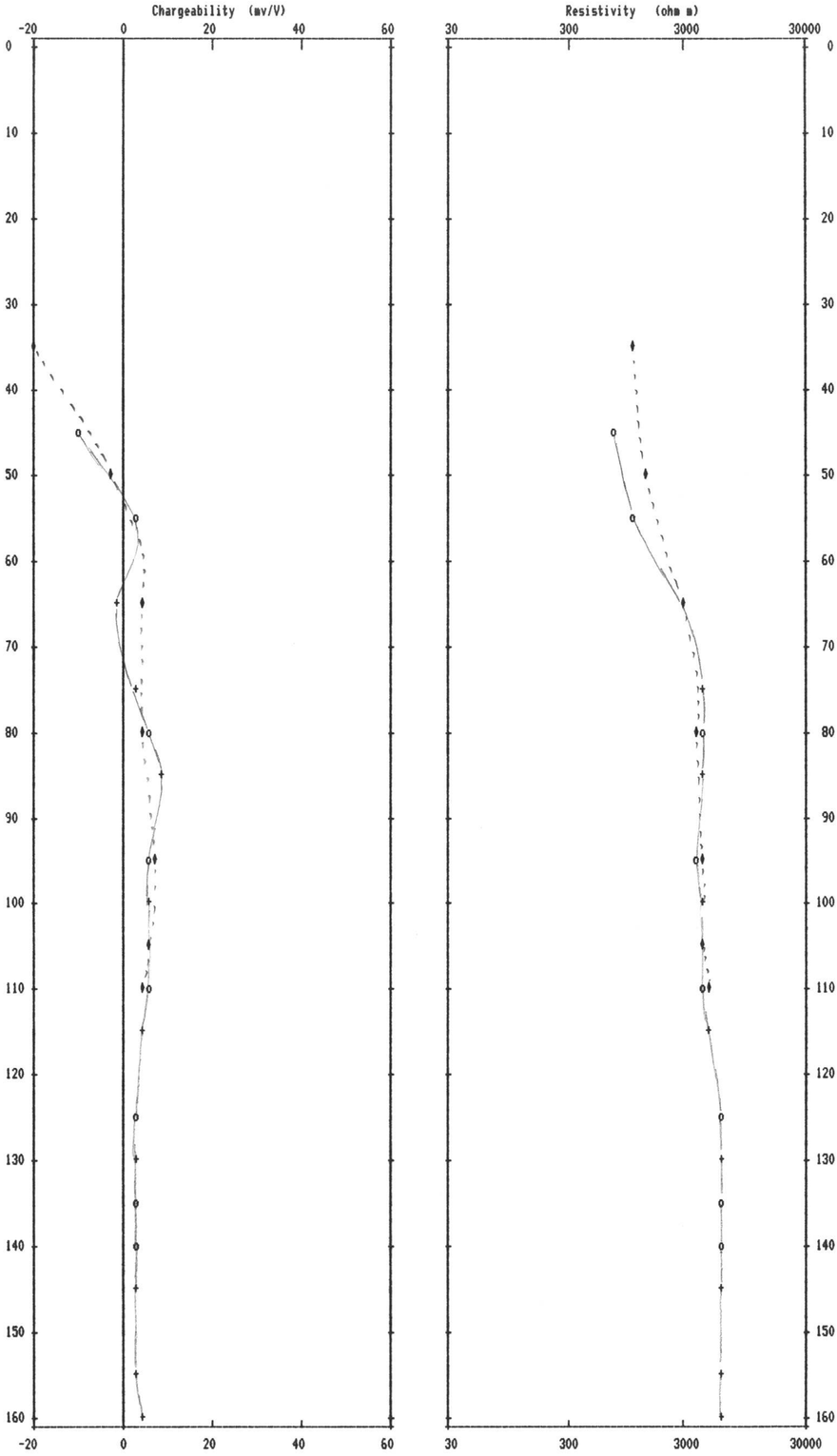
SYM Variable A Spacing

\+ M7 > 20 ——
o M7 > 20 ——
♦ M7 40 .....



SYM Variable A Spacing

\+ RHO > 20 ——
o RHO > 20 ——
♦ RHO 40 - - - -



MINNOVA INC. — LARA PROJECT, B.C.

DIRECTIONAL ARRAY — C1 200 meters E

DOWNHOLE IP SURVEY

Scale 1:500

Hole: PL-7

SCOTT GEOPHYSICS LTD.

SYM Variable A Spacing

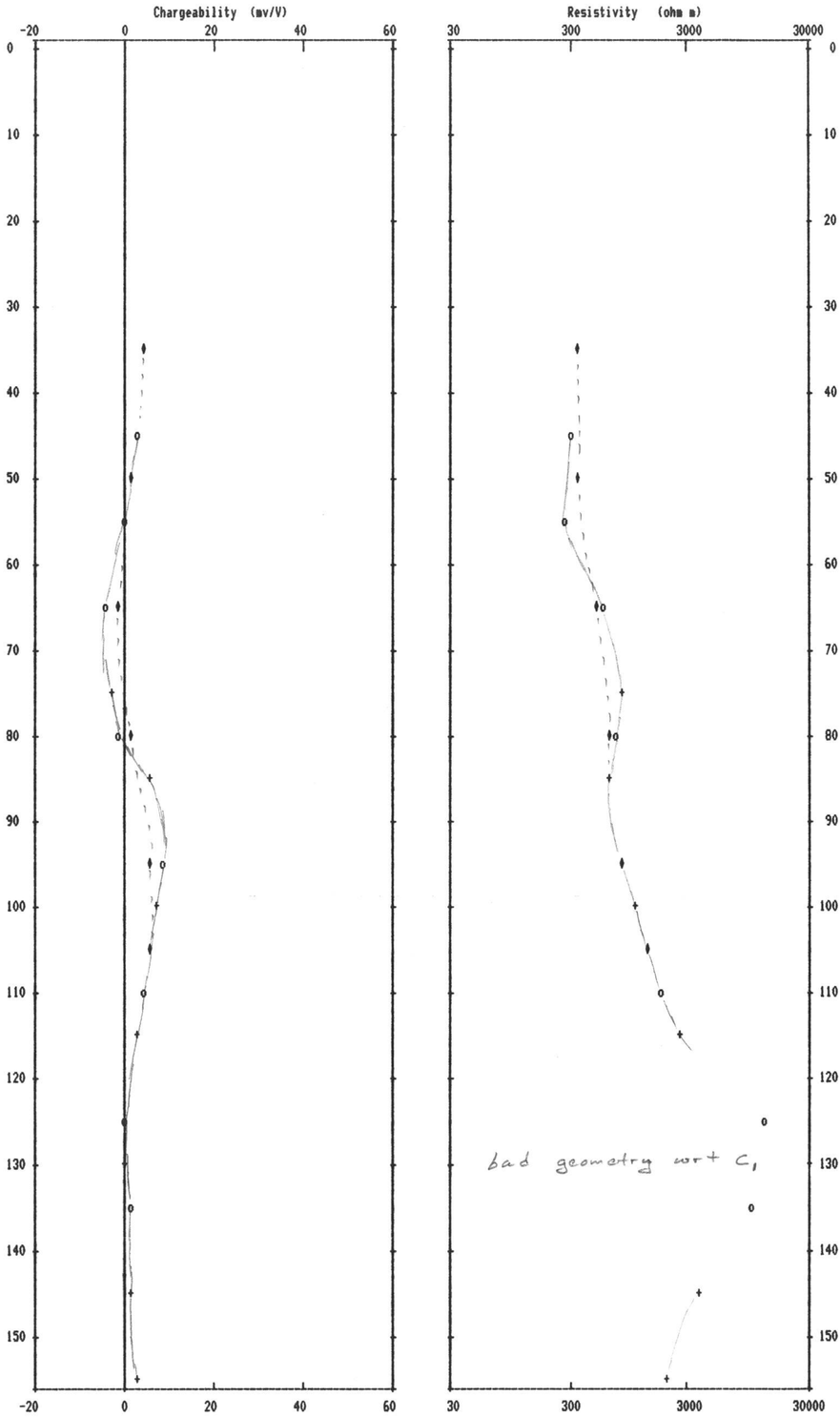
+ M7 > 20 ——
o M7
♦ M7 40 - - - -

inches
0 1
0 1 2
centimetres

This reference scale bar has been added to the original image. It will scale at the same rate as the image. Therefore it can be used as a reference for the original size.

SYM Variable A Spacing

+ RHO > 20 ——
o RHO
♦ RHO 40 - - - -



MINNOVA INC. — LARA PROJECT, B.C.

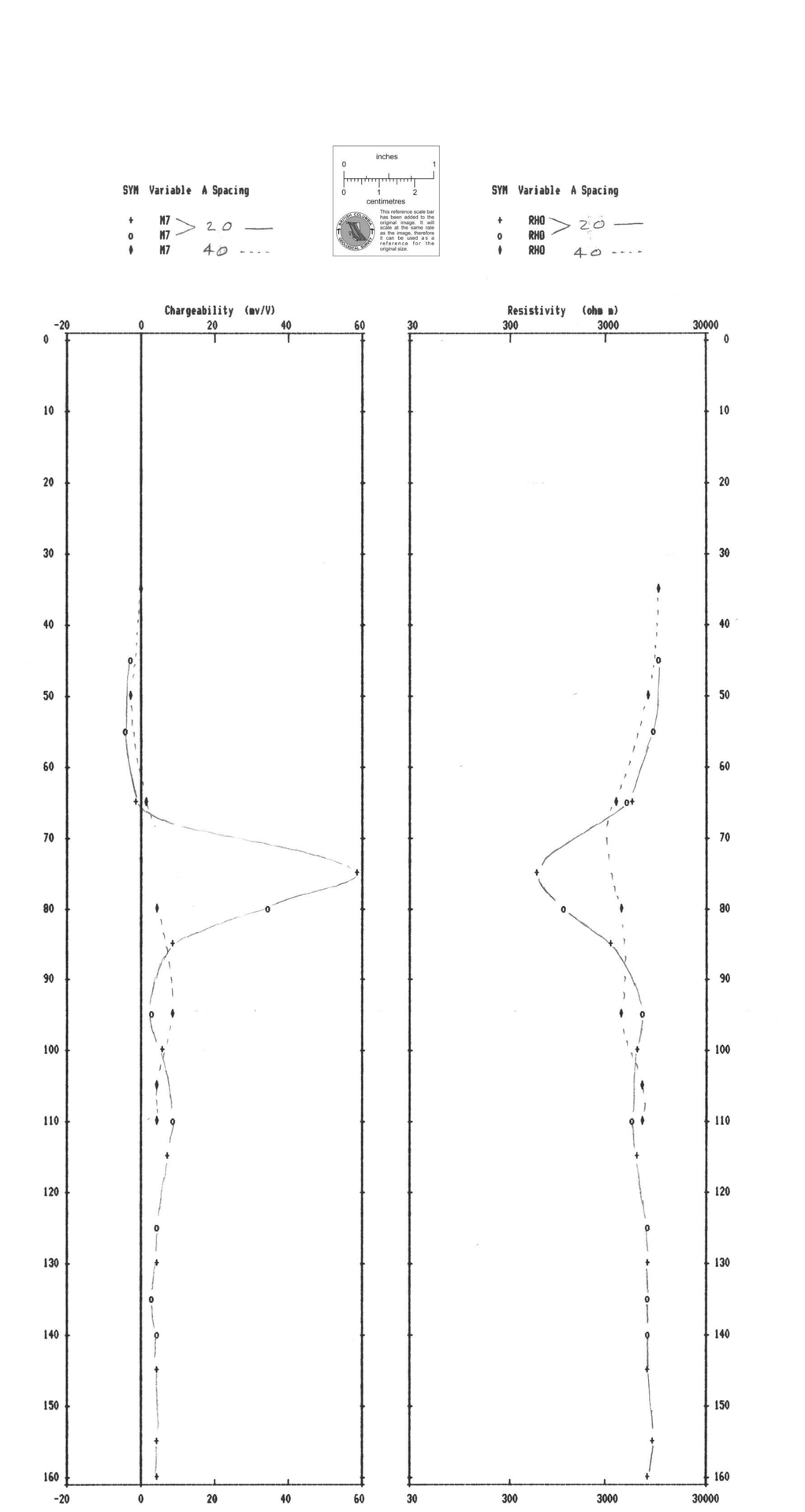
DIRECTIONAL ARRAY — C1 200 meters S

DOWNHOLE IP SURVEY

Scale 1:500

Hole: PL-7

SCOTT GEOPHYSICS LTD.



MINNOVA INC. — LARA PROJECT, B.C.

DIRECTIONAL ARRAY — C1 200 meters W

DOWNHOLE IP SURVEY

Scale 1:500

Hole: PL-7

SCOTT GEOPHYSICS LTD.

| | | |

| | | |