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Received				19 OCT 1982
Answered				E & IL
DEPT. OF MINES				<i>[initials]</i>
REF. No. 8584/82				<i>[initials]</i>

ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED

West Coast Mines

EXPLORATION LICENCE NO. 12/72 BULGOBAC

Progress Report on Exploration Activity

16th December, 1981 to 4th May, 1982

Geology Dept.

Report No. 149 MD

R.A. Sainty,

I.R. McDonald,

May, 1982

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A2-521-0021	1:50,000	Work Completed 16.12.81-4.5.82
A0-521-0016	1:5,000	Geology Boco North Sheet
-0017	"	Geology Boco South Sheet

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## 1. INTRODUCTION

This report covers work on Exploration Licence No. 12/72 by Electrolytic Zinc Company of Australasia Limited between 16th December, 1981 and 4th May, 1982.

## 2. PREVIOUS EXPLORATION

Details of all previous work on E.L. 12/72 have been reported in E.Z. Geology Department Report No's 128 (1977), 129 (1978), 130 (1979), 132 (1980), 137 (1981) and 145 (1982).

## 3. ABBREVIATIONS

Standard symbols and terminology used on geological plans and sections are detailed on Plate 1 of E.Z. Report No. 137 - "E.L. 12/72 Progress Report on Activity July, 1980 to June, 1981".

## 4. EXPLORATION UNDERTAKEN

### 4.1. Boco Area

#### 4.1.1. Work Completed (Refer to plan No. A2-521-0021)

##### Grid Pegging

The remaining pegging of the Boco Extension Grid on 20m slope corrected intervals was completed. 16.2km were pegged on 10 lines, totalling 35.76km on 18 lines.

##### Geology

The extension grid was geologically line-mapped.

### Soil Geochemistry

Soil sampling of the extension grid was undertaken with 20m spaced nominal 'C' horizon hand auger samples collected in areas of suspected residual soils 920 samples were taken from a possible 1,788 sites, representing 52% coverage of possible residual soils. Many attempts at auger sampling were unsuccessful due to glacial gravels present in areas other than buttongrass flats. A test pit was hand dug (at 9.160E on 12.280N) to determine the nature of the material underlying some thin penetrable gravel layers and found to be clay containing loosely-packed boulders 80-300mm in size.

The samples were submitted to Analabs and analysed for Cu, Zn, Pb, As, Ag, Fe and Mn by A.A.S. after nitric/perchloric acid digestion, and for Sn by A.A.S. after vapour hydride volatilisation.

### Geophysics

A 60m dipole-dipole I.P. survey of the extension grid was undertaken by Scintrex using a IPR-11 receiver. Breakdown of the IPR-11 and poor weather considerably delayed completion of this survey.

The extension grid was also covered by a ground magnetics survey by Scintrex using a Scintrex MP2 Proton Precession Magnetometer. Readings were taken at 10m station intervals.

#### 4.1.2. Results Received

Geology (Refer to 1:5 000 scale geology plans AD-521-0016; -0017)  
The original Boco Grid was geologically mapped by N.H. Hanson (E.Z. Geol. Dept. Report 128, October, 1977) and the 1.92km extension of line 13.720N into the southeastern corner of the grid by J.H.A. Mill (E.Z. Geol. Dept. Report 130, October, 1979).

The Boco area is typified by poor outcrop exposure due to glacial cover. Outcrop occurs largely in the steep ravines and adjacent hills of Boco and Farm Creek in the southwestern and southeastern corners of the grid.

The rock units mapped comprise vitric, lithic vitric and lithic crystal vitric tuffs, lapilli tuffs breccias and agglomerates of probable rhyodacitic and rhyolitic affinities and their porphyritic lava equivalents. Minor possible porphyritic andesites were recognised.

The outcrop geology plans are regarded as provisional as thin section petrographic examination is yet to be undertaken on specimens collected. It is intended then to completely revise these plans and properly integrate the three sets of data. In addition, alteration types will be more fully documented.

A unit of hard, massive, fine-grained vitric tuff which contains occasional coarse lithic bands outcrops conspicuously on lines 14,520N to 13,580N east of the Murchison Highway and is (in part) host to the sole mineralisation observed. This weak mineralisation occurs over a width of 200-300m and the entire 940m intersected strike length of the host as disseminated fine bleb pyrrhotite and as larger blebs replacing and haloing lithic fragments.

Soil Geochemistry (See Appendix 1: Soil Sample Geochemical Data Sheets)

Analyses for only 400 of the 920 samples taken have been received at the time of reporting.

Absolute values are typically very low, with 80 ppm Zn regarded as anomalous. It is felt that some very low values may reflect sampling of glacial material.

A linear zone of anomalous 80-120 ppm Zn values occurs over the 5 lines 14,520N to 13,580N in the southeastern grid corner from where all soil assay values have been received. These values correlate with the weak disseminated mineralisation previously described.

On the western end of line 13,580N a clustering of 7 co-incident Zn and Pb values of 80-155 ppm over a width of 220m (8,230E-8,450E)(with 30% glacial coverage) are underlain by sediment bedrock and probably have a different significance to similar values elsewhere on the grid.

Geophysics (Refer to Appendix 2: Dipole-dipole I.P. survey pseudo-sections; Appendix 3: Memorandum from Dr. J.R. Bishop concerning Boco I.P. survey; Appendix 4: Ground Magnetics line profiles)

The memorandum from J.R. Bishop (Appendix 3) is a preliminary summary of the dipole-dipole I.P. survey of the Boco Grid extensions.

The pseudo-sections record the slight to moderate chargeability highs (e.g. to 26 mV/V on 14,360N and to 165 mV/V on 13,880N), that occur in a linear trend near the eastern ends of lines 14,520N to 13,580N (5 lines). These highs and their corresponding resistivity lows again correlate on the surface with the presence of disseminated fine bleb pyrrhotite observed within a unit of massive fine-grained vitric tuff. High resistivity values in the centre of these line profiles correlate well at  $n = 1$  with outcrops of barren massive rhyolitic lavas, agglomerates and lapilli tuffs.

Ground magnetics data is currently only in profile form and will be incorporated into the total field contour map of the 1976/77 surveys.

#### 4.2. Northern and Western Areas

##### 4.2.1. Work Completed

A contract geological/sampling crew, The Poltock Bros., was engaged to complete the small outstanding areas of creek mapping and stream sediment sampling in the Western Area between the Boco and Silver Falls Extension Grids, and in the Northern Area around the Hatfield River. A total of 90 stream sediment samples were collected from the two areas. The -80 mesh fraction has been sent to A.C.S. for analysis for Pb, Zn, Cu, Fe, Mn, Co, Ag by A.A.S. after nitric-perchloric acid digestion, for As by the Gutzeit Method, and for Sn and W by X.R.F.

##### 4.2.2. Results Received

The Poltock Bros. report was received right at the close of the reporting period. None of the mapping has been draughted onto the E.Z. plans and no results have been received for the stream sediment analyses.

##### Geology

In the Western Area the mapping revealed a thick alternating sequence of acid pyroclastics, dominated by feldspar quartz crystal tuffs with a minor lithic component, and grey to black siltstones with tuffaceous greywackes and sandstones. Contacts between tuffs and sandstones are sharp. The sequence strikes North-North-East and most dips are 50-80° North-West. Minor small wavelength folds have been seen in the siltstones suggesting these may be tightly folded. Scattered quartz and quartz-chlorite veining occurs. Mineralisation is almost non-existent. Pyrite was only recognised as blebs in a crystal tuff. None of the black siltstones, which outcrop extensively, were noticeably pyritic.

In the Northern Area lithologies are dominated by fine grained sediments, some may be slightly tuffaceous but acid pyroclastics are absent. Minor calcareous siltstones and greywackes occur within siltstone horizons. Outcrop in the Hatfield River is poor, being restricted to weathered pale brown siltstone and greywacke. The weathering and poor outcrop may indicate more extensive calcareous sediments. Strikes are all North-East and dips steep to the North-West. In the north of the area a major fold flexure occurs with dips 40-50°. Mineralisation is more extensive than in the Western Area but is confined to veining. Quartz and calcite veins occur typically on joint faces. Some veins are pyritic. Fine disseminations and specks of galena were identified in a calcite vein.

APPENDIX 1: Soil Sample Data Sheets, Boco Grid

# GEOCHEMICAL SAMPLE DATA SHEET

Project : Bulgebas E.H. 12/72 Material : Soil Samples Size Fraction Analysed: -80"  
 Locality : Boco Sample Method : Hand Shell Auger Analysed By : Analabs  
 Grid Name : Boco 9nd Sampled By : AD+GB Method : A.A.S.  
 Nominal Grid Azimuth : Grid North 45° A.M.G. Date : March 1982

SAMPLE NUMBER	Sample Location Data				Sample Composition Data						Geology	METAL CONTENT (ppm. unless specified)									
	Grnd Line No	AMG CO-ORDINATES			DEPTH	COLOUR	Clay	Sand	Rock Frag.	Organic		Contam.	Cu	Pb	Zn	As	Au	Fe	Mn	Ag	Sn
	Grid Easting	NORTHING	EASTING																		
50201	12500	53		3	0.20	DKGY	60	10	30	10		X	X	10	X		1550	15	2	3	
50202	18460	53		3		GYWH	45	20	30	5		X		5	15	X	1900	20	1	4	
203	440	53		3	0.25	LTBRGY	60	15	520				5	10	15	X	2700	35	1	3	
204	420	53		3	0.45	WHLTGY	30	30	35	5		X		5	15	X	2600	20	1	4	
205	400	53		3	0.45	GY	60	5	20	15		X	X		20	X	500	10	1	3	
206	380	53		3	0.39	6YLTBR	50	20	20	10		X		5	20	X	2750	20	1	3	
50207	12340	53		3	0.15	BR	50	10	30	10		X		10	15	X	2800	20	1	2	
50208	12280	53		3	0.16	GYBR	50	25	20	5		X		5	10	X	400	10	1	1	
209	260	53		3	0.29	GYBR	50	20	25	5		X	X		10	X	1300	15	1	1	
210	240	53		3	0.25	LTGYBR	85	5	5	5		X	X		10	X	850	10	1	3	
211	220	53		3	0.17	BRWH	55	25	15	5		X		5	10	X	1750	10	2	2	
212	200	53		3	0.15	CRBR	35	10	50	5		X	X		10	X	1450	15	1	3	
213	180	53		3	0.25	CRBR	85	5	5	5		X		5	15	X	2800	15	2	X	
214	160	53		3	0.25	LTGY	60	10	25	5		X		5	15	X	1650	15	6	X	
215	140	53		3	0.16	CRBR	70	25		5		X	X		10	X	950	10	1	X	
216	120	53		3	0.15	CRBR	70	5	520				5	10	15	X	1350	45	1	X	
217	12100	53		3	0.21	WHBR	40	25	30	5		X		5	10	X	1300	20	X	1	
218	080	53		3	0.18	CR	10	580	5			X		15	15	X	2500	20	2	2	
219	060	53		3	0.15	BR	60	5	530			X		15	25	X	3950	30	2	X	
220	040	53		3	0.25	BR	55	20	15	10		X		5	15	X	4100	35	1	2	
221	020	53		3	0.17	BRCR	30	5	10	55		X		5	20	X	2800	40	1	X	
50222	12000	53		3	0.25	LTBR	75		520			X		15	25	X	1750	30	6	X	
223	11980	53		3	0.25	BR	35	30	30	5		X		5	15	X	2350	25	1	2	
224	960	53		3	0.30	WHBR	50	530	15			X	X		15	X	5450	15	X	1	
225	940	53		3	0.30	BR	90		5	5			5	30	55	X	1800	70	5	X	
226	920	53		3	0.35	LTBR	45	40	10	5	CREEK	X		15	15	X	8800	40	1	X	
227	900	53		3	0.19	LTBROR	60	10	10	30		X		15	15	X	1000	35	2	2	

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# GEOCHEMICAL SAMPLE DATA SHEET

Project : Bulgobac E.L. 12/72  
 Locality : Base  
 Grid Name : Base 9rd  
 Nominal Grid Azimuth : Grid North 45° A.M.G.

Material : Soil Samples  
 Sample Method : Hand Shell Guser  
 Sampled By : AD+GB  
 Date : March 1982

Size Fraction Analysed : -80\*  
 Analysed By : Analyst  
 Method : A.A.S.

SAMPLE NUMBER	Sample Location Data				Sample Composition Data						Geology	METAL CONTENT (ppm. unless specified)												
	Grid Line No	AMG CO-ORDINATES			DEPTH	COLOUR	Clay	Sand	Rock frags.	Organic		Contam.	Cu	Pb	Zn	As	Au	Fe	Mn	Ag	Sn			
	Grid Easting	NORTHING	EASTING																					
2023	1250	53	3	0	25	GYBR	70	20	10			X		X		10	X		550	10		1		2
2024	1250	53	3	0	35	GY	35	20	10	5		X		5		5	X		750	15	X			2
2025	1250	53	3	0	35	GYBR	80	10	5	5		X		X		5	X		800	15		1		2
2026	1250	53	3	0	10	BR	70	10	10	10		X		10		10	X		1250	20		1		1
2027	1250	53	3	0	30	DKGYBR	70	15	5	10		X		5		5	X		900	10	X			1
2028	1250	53	3	0	17	GY	40	30	30			X		10		10	X		1350	15		1		1
2029	1250	53	3	0	20	DKGYBR	70	15	10	5		X		5		10	X		1250	15		1		1
2030	1250	53	3	0	25	BR	30	5	30	5		X		10		10	X		1450	20		1		3
2031	1250	53	3	0	25	DKBR	30	5	5	10		X		10		10	X		1050	15		1		2
2032	1250	53	3	0	20	BR	75	10	10	5		X		10		10	X		1150	25		1		X
2033	1250	53	3	0	15	DKBR	30	5	10	5		X		5		15	X		550	25		1		X
2034	1250	53	3	0	15	DKBR	50	10	35	5		X		X		10	0.5		450	10	X			X
2035	1250	53	3	0	45	GYBR	85	5	5	5		X		X		10	X		300	10	X			1
2036	1250	53	3	0	19	CRGY	45	45	5	5	CREEK	X		10		10	X		1800	15		1		X
2037	1250	53	3	0	20	CRGYBR	80	5	5	10		X		5		10	X		2050	25		1		X
2038	1250	53	3	0	25	CRBR	40	30	30			X		5		15	X		950	25		1		X
2039	1250	53	3	0	22	CRBR	35	30	30	5			5		35	8.5	X		5.30%	25.5		10		X
2040	1250	53	3	0	50	CRBR	90		5	5		X		15		25	X		1.00%	45		4		1
2041	1250	53	3	0	20	CRBR	40	550	5				5		15	30	X		7050	390		4		1
2042	1250	53	3	0	45	BR	85		5	10		X		15		15	X		3750	50		2		X
2043	1250	53	3	0	16	CRBR	40	550	5			X		5		10	0.5		2500	45		1		2
2044	1250	53	3	0	30	WHBR	30		10	60			5		25	30	X		6200	450		3		2
2045	1250	53	3	0	15	CRDKBR	60	20	10	15			10		25	35	X		3350	90		1		X
2046	1250	53	3	0	20	BR	90		5	5			5		30	90	X		1.40%	115		7		2
2047	1250	53	3	0	15	BR	60	10	25	5			5		35	40	X		1.20%	45		6		X
2048	1250	53	3	0	45	CRBR	25		5				5		40	120	X		2.95%	65		15		X
2049	1250	53	3	0	17	BR	50	20	30		CREEK		5		25	25	X		5800	45		2		X
2050	1250	53	3	0	25	CRBR	100						5		20	30	X		1.85%	60		3		2
2051	1250	53	3	0	20	CRBR	300						5		20	50	X		2.70%	75		3		1

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# GEOCHEMICAL SAMPLE DATA SHEET

Project : Bulgokec. E.L. 12/72      Material : Soil Samples      Size Fraction Analysed : -20"  
 Locality : Boco      Sample Method : Hand Shell Auger      Analysed By : Analahe  
 Grid Name : Boco Grid      Sampled By : A.D.G.B      Method : A.A.S.  
 Nominal Grid Azimuth : Grid North N43° A.M.G.      Date : March 1982

SAMPLE NUMBER	Sample Location Data				Sample Composition Data					Geol. Contam.	METAL CONTENT (ppm unless specified)								
	Grid Line No	AMG CO-ORDINATES		DEPTH	COLOUR	Clay	Silt	Rock Frag.	Organic		Cu	Pb	Zn	As	Au	Fe	Mn	Ag	Sn
	Grid Easting	NORTHING	EASTING																
2950	1140	53		3	0.30	GY	50	20	15	5					650	10	1	X	
2951	1140	53		3	0.25	GY	60	25	10	5					1400	15	1	2	
2952	1140	53	B	HC	0.40	WHGY	60	25	10	5					460	10	X	X	
2953	1140	53		3	0.30	GYBR	70	20	5	5					350	10	X	X	
2954	1140	53		3	0.25	GYWH	65	10	15	10					600	10	X	X	
2955	1140	53		3	0.40	GY	75	15	10						350	5	X	2	
2956	1140	53	B	HC	0.15	CRBR	55	10	30	5					500	25	X	4	
2957	1140	53	B	HC	0.25	GYWH	65	10	20	5					700	10	X	1	
2958	1140	53	B	HC	0.25	CRBR	55		10	35					800	15	1	2	
2959	1140	53	B	HC	0.20	GYCR	75	10	10	5					1000	15	1	2	
2960	1140	53		3		GYBR	50	15	30	5					1100	20	X	1	
2961	1140	53	B	HC	0.15	BR	65	10	15	10					1250	20	X	1	
2962	1140	53		3	0.20	CRBR	65	30	15						20%	85	4	2	
2963	1180	53		3	0.80	WHORBR	10	10	15	5					50%	80	4	X	
2964	1160	53		3	0.70	GYBR	65	15	30						4450	25	X	X	
2965	1140	53		3	0.15	CRDKBR	40		50	10					3000	20	8	X	
2966	1130	53		3	0.15	BR	65	10	20	5					2850	40	3	X	
2967	1100	53		3	0.40	CRDKBR	75		15	10					2200	30	4	X	
2968	1080	53		3	0.30	CRDKBR	80		10	10					2400	335	3	X	
2969	1060	53		3	0.55	ORBR	90		10						200%	45	12	1	
2970	1040	53		3	0.15	CRTROR	60	5	20	15	CREEK				8850	65	7	X	
2971	1020	53		3	0.55	CROR	85	5	10	15	CREEK				4400	35	2	X	
2972	112000	53		3	0.20	DKBR	70		5	5	CREEK				8100	65	3	X	
2973	11480	53		3	1.20	BR	50		50						265%	175	7	1	
2974	1160	53		3	0.20	BR	75		20	5					250%	165	4	X	
2975	1140	53		3	0.40	BR	90		10						90%	45	4	X	
2976	1120	53		3	0.55	BR	50		50						3250	30	4	2	
2977	1140	53		3	0.45	YBR	50	5	40	5					750	10	1	X	
2978	1120	53		3	0.20	GYBR	25	30	30	5					700	10	X	X	
2979	112400	53		3	0.30	BR	80	10	10						520%	45	7	X	

703010

# GEOCHEMICAL SAMPLE DATA SHEET

Project : Bulgabac E.H. 12/72      Material : Soil Samples      Size Fraction Analysed : -80<sup>μ</sup>  
 Locality : Bece      Sample Method : Hand Shell Auger      Analysed By : Anabela  
 Grid Name : Bece Grid      Sampled By : ADTGB      Method : A.A.S.  
 Nominal Grid Azimuth : Grid North N5° A.M.G.      Date : March 1982

SAMPLE NUMBER	Sample Location Data				Sample Composition Data					Geology	METAL CONTENT (ppm unless specified)										
	Grd Line No	AMG CO-ORDINATES			DEPTH	COLOUR	Clay	Sand	Rock frags.		Organic	Contam.	Cu	Pb	Zn	As	Au	Fe	Mn	Ag	Sn
	14800N	Grid Easting	NORTHING	EASTING																	
3032	12200E	53		3	0.20		80		20			x	x	5	x		550	115	3	x	
3033	12200E	53		3	0.25	LTGYBR	60	30	10			x	x	5	x		700	10	1	x	
3034	12200E	53		3	0.40	WHGY	75	20	5			x	x	5	x		800	15	1	x	
3035	12240E	53B	HOR	3	0.35	DKBR	30	70				5	25	20	x		2700	255	1	x	
3036	12200E	53A	HOR	2	0.10	DKGYBR	20	60	20			5	10	15	x		4100	110	x	x	
3037	12200E	53A	HOR	1	0.10	DKBR	10	50	40			5	15	30	x		1000	720	5	1	
3038	12200E	53B	HOR	3	0.15	DKBR	45		550			10	20	25	x		3400	55	2	x	
3039	12200E	53B	HOR	3	0.20	DKBR	50		50			10	30	20	x		5100	50	4	x	
3040	12240E	53		3	0.60	ORBR	85	10	5			10	15	35	x		2400	235	11	1	
3041	12200E	53B	HOR	3	0.15	LTBR	25	15	50			x	10	10	x		4600	50	5	x	
3042	12200E	53		3		LTDKBR	50	10	40	CREEK		5	30	115	x		1600	115	18	x	
3043	12200E	53		3	0.70	BR	50	50		CREEK		5	30	25	x		1050	305	4	x	
3044	12200E	53		3	0.25	BR	60	35	5			5	20	35	x		2150	555	4	x	
3045	12240E	53		3	0.25	BR	70		30			10	25	55	x		2300	860	3	1	
3046	12200E	53		3	0.35	LTGYBR	85		510			x	10	25	x		1450	115	1	x	
3047	12200E	53		3	0.07	DKBR	25	25	55			5	25	20	x		6900	105	x	x	
3048	12280E	53		3	0.25	LTBR	60	50	15			5	15	40	x		1250	150	3	1	
3049	12200E	53B	HOR	3	0.08		40	10	50			5	25	35	x		1400	155	3	x	
3050	12240E	53B	HOR	3	0.20	BR	20		80			15	35	55	x		5500	125	2	1/3	
3051	12200E	53		3	0.20	BR	20	20	60			10	30	15	x		4550	35	3	x	
3052	12200E	53A	HOR	3	0.20	BR	20		80			20	40	30	x		1350	20	1	x	
3053	12200E	53		3	0.75	LTORBR	65	30	5			40	35	65	x		3500	130	7	x	
3054	12200E	53		3	0.15	LTOR	45	10	45			10	15	20	x		1300	40	2	x	
3055	12240E	53		3	0.25	LTOR	20		515			x	x	15	x		5100	50	x	x	
3056	12200E	53		3	0.15		55	5	1030			x		20	x		9930	55	2	x	
3057	12200E	53		3	0.30	BR	50	10	40			x	x	5	x		1550	10	x	x	
3058	12280E	53		3	0.35	WHDKBR	60		40			x	10	10	x		1500	15	x	x	
3059	12200E	53B	HOR	3	0.20	GYBR	5		590			5	5	25	x		1800	35	x	x	
3060	12240E	53B	HOR	3	0.20	DKBR	40		60			10	40	2	0.5		2100	40	x	x	
3061	12200E	53		3	0.15	BR	45		55			5	15	15	x		4000	35	1	x	

2030114

# GEOCHEMICAL SAMPLE DATA SHEET

Project : Buigobac E.A. 12/72 Material : Soil Samples Size Fraction Analysed : -80 $\mu$   
 Locality : Baco Grid Sample Method : Hand Shell Auger Analysed By : Analabs  
 Grid Name : Baco 9nd Sampled By : A.D. + G.B. Method : A.A.S.  
 Nominal Grid Azimuth : Grid North 45 $^{\circ}$  A.M.G. Date : March 1982

SAMPLE NUMBER	Sample Location Data			Sample Composition Data					Geology	METAL CONTENT (ppm unless specified)										
	Grid Line No	AMG CO-ORDINATES		DEPTH	COLOUR	Clay	Sand	Rock Frag.		Organic	Contam.	Cu	Pb	Zn	As	Au	Fe	Mn	Ag	Sn
	Grid Easting	NORTHING	EASTING																	
50351	114800N	53	3	0.35	GY	85	5	10			X	X	5	X		1200	110	X	X	
352	620	53	3	0.18	GYBR	70		30			X	X	5	0.5		250	5	X	X	
353	820	53	3	0.10	GYBR	60		40			X		10	10	X	650	20	X	X	
354	640	53	3	0.15	GYBR	60		40			X		5	5	X	900	20	X	X	
355	520	53	3	0.10		50		10	40		X		10	10	X	1450	20	X	X	
356	200	53	3	0.02	DKBR			100			10		70	30	X	5250	25	X	X	
357	580	53	3	0.05	BR	50		50			5		20	60	0.5	1650	35	X	X	
358	560	53	3	0.20		95		5			X	X	5	0.5		550	10	X	X	
50359	11540E	53	3	0.35	DKBR	85		10	5		X		5	5	0.5	850	10	X	X	



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# GEOCHEMICAL SAMPLE DATA SHEET

Project : Bulgobac. E.L. 12/72  
 Locality : Boco  
 Grid Name : Boco 9nd  
 Nominal Grid Azimuth : Grid North 45° A.M.G.

Material : Soil Samples  
 Sample Method : Hand shell Auger  
 Sampled By : AD + GB  
 Date : March 1982

Size Fraction Analysed : -80"  
 Analysed By : Analaab  
 Method : A.A.S.

SAMPLE NUMBER	Sample Location Data				Sample Composition Data					Geology	METAL CONTENT (ppm. unless specified)										
	Grd Line No	AMG CO-ORDINATES			DEPTH	COLOUR	Clay	Sand	Rock Frag.		Organic	Contam.	Cu	Pb	Zn	As	Au	Fe	Mn	Ag	Sn
	14300N	Grid Easting	NORTHING	EASTING																	
50374	11740E	53	3	0.20	GYBR	80	15	5			X		5	5	X		11000	10	X	X	
374	510	53	3	0.25	CRORBR	85	5	10			X		5	50	X		1700	20	X	X	
376	510	53	3	0.30		75	5	20			X		5	5	X		1700	20	X	X	
377	540	53	3	0.35	GYBR	75	5	20			X		X	10	X		1300	15	3	X	
378	540	53	3	0.25	CRBR	65	20	5			X		X	5	X		650	5	X	X	
378	580	53	3	0.15	DKBR	55	5	40			X		5	5	X		400	5	X	X	
377	600	53	3	0.25	GYBR	90	5	5			X		5	5	X		750	5	X	X	
375	620	53	3	0.40	GYBR	70	20	10			X		X	5	X		350	5	X	X	
376	640	53	3	0.20	GNORBR	85	5	10			X		X	5	X		3300	15	1	X	
377	660	53	3	0.35	GY	80	10	5	5		X		5	5	X		300	5	X	1	
378	680	53	3		DKBR	50	30	20			X		X	5	X		700	10	X	X	
378	700	53	3	0.15	BRBL	70		5	25		X		15	15	X		2700	20	X	X	
50380	11760E	53	3	0.25	CRBR	85	5	10			X		5	5	X		1450	10	X	X	
381	740	53	3	0.20	CR	80	5	10	5		X		5	10	X		1700	20	X	X	
380	760	53	3	0.20	GY	90	10				X		X	5	X		400	10	X	1	
382	780	53	3	0.25	CROR	70	20	10			X		10	15	X		4200	20	2	X	
384	800	53	3	0.15	CRDKBR	40	10	50			5		15	15	X		3500	165	2	X	
385	820	53	3	0.40	CR	75	10	15			15		30	75	X		5.15%	720	6	X	
384	840	53	3	0.10	ORBR	60	10	15	15		15		40	80	X		5.05%	2650	4	X	
387	860	53	3	0.20	DKBR	45	25	30			10		30	85	X		3.50%	1900	7	X	
388	880	53	3	0.45	CRBR	65	30	5			5		20	45	X		1.25%	1500	2	X	
389	900	53	3	0.15	DKBR	60		40			15		45	35	X		3700	130	4	X	
390	920	53	3	0.15	DKBR	70	15	15			15		30	55	X		1.70%	1400	4	X	
391	940	53	3	0.60	DKORBR	90	10				5		15	25	X		3.40%	125	4	X	
392	960	53	3	0.35	ORBR	80	15	5			10		20	70	X		2.70%	1400	2	X	
393	980	53	3	0.25	ORBR	65	25				5		20	65	X		2.20%	1400	6	X	
394	1000E	53	3	0.20	DKORBR	85	10	5			10		20	35	X		2.25%	1000	1	X	
395	1020	53	3	0.20	DKBR	75	25				10		20	30	X		2.80%	1200	1	X	
396	1040	53	3	0.15	ORBR	75	25				10		20	50	X		2.10%	2000	7	X	
395	1060	53	3	0.25	DKORBR	60	35	5	DRIVER		5		15	25	X		1.30%	65	5	X	

703020



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# GEOCHEMICAL SAMPLE DATA SHEET

Project : Bulgebet. E.L. 12/72  
 Locality : Boco  
 Grid Name : Boco grid  
 Nominal Grid Azimuth : Grid North 45° A.M.G.

Material : Soil Samples  
 Sample Method : Hand Shell Auger  
 Sampled By : A.D. + G.B.  
 Date : March 1982

Size Fraction Analysed : -80"  
 Analysed By : Analabs  
 Method : A.A.S.

SAMPLE NUMBER	Sample Location Data				Sample Composition Data					Geology	METAL CONTENT (ppm. unless specified)									
	Grid Line No	AMG CO-ORDINATES		DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic		Contam.	Cu	Pb	Zn	As	Au	Fe	Mn	Ag	Sn
	114560N	NORTHING	EASTING																	
50401	11200E	53	3	0.20	ORBR	65	10	20	5			10	15	75	X	3.35%	255		6	X
402	11200E	53	3	0.20	ORGR	60	40					10	10	45	X	2.70%	390		4	X
403	11200E	53	3	0.65	ORBR	65	30	5				15	25	75	X	4.05%	125		7	X
407	11100E	53	3	0.35	OR	65	30	5				10	15	60	Y	2.80%	745		3	X
408	9160	53	3	0.85	DKBR	70	30					10	15	80	X	3.15%	240		6	X
409	9140	53	3	0.50	DKBR	85	10	5				5	10	40	X	2.20%	270		3	X
410	9200	53	3	0.60	ORBR	70	50	20	5			5	20	85	X	2.65%	160		4	X
411	9000	53	3	0.10	DKBR	75	5	10	10			10	20	50	X	2.55%	770		5	X
415	8800	53	3	0.30	DKBR	65	5	30				10	20	30	X	6900	195		2	X
412	8600	53	3	0.20	BR	60	50	15				5	15	25	X	11865%	485		3	X
414	8400	53	3	0.25	GYBR	75	10	5	10			5	5	10	X	670	15		X	X
415	8300	53	3	0.35	GYBR	75	15	5	5			X	X	5	X	700	20		X	X
50416	111800E	53	3	0.15	GY	70	15	5	10			X	X	5	X	730	15		X	X
417	7800	53	3	0.20	GYBR	60	10	30				X	X	5	X	550	15		X	X
418	7600	53	3	0.35	DKBR	50	5	40				X	X	5	X	600	15		X	X
419	7400	53	3	0.35	DKBR	50	50					X	5	5	X	1250	30		X	X
420	7200	53	3	0.25	GYBR	55	40	5				X	X	5	X	900	20		X	X
421	7100	53	3	0.45	GYBR	40	60					X	5	5	X	1400	25		X	X
422	6800	53	3	0.25	GYBR	60	50	30	5			X	5	5	X	950	20		X	X
423	6600	53	3	0.15	CRDKBR	45	50	5				X	5	5	X	2450	20		X	X
424	6400	53	3	0.30	GYBR	50	10	35	5			X	5	5	X	600	10		X	2
425	6200	53	3	0.25	DKBR	80	15	5				X	X	5	X	400	10		X	1
426	111580	53	3	0.50	CRBR	75	25					X	20	10		415	25		X	X
427	5600	53	3	0.45	GYBR	50	50					X	5	5		850	10		X	X
428	5400	53	3	0.35	GYBR	85	5	5	5			X	X	5		700	10		X	X
429	5300	53	3	0.15	BKBRGR	75	10	15				X	15	10		1700	25		X	X
430	5000	53	3	0.30	GYBR	80	10	5	5			X	X	10		1500	15		X	2
431	4800	53	3	0.55	GYCRB	70	30					X	10	5		1600	20		X	1
432	111400E	53	3	0.35	DKGV	80	10	10				X	5	5		1000	15		1	1



# GEOCHEMICAL SAMPLE DATA SHEET

Project : Bulgebac. E.L. 12/72  
 Locality : Boco.  
 Grid Name : Boco Grid  
 Nominal Grid Azimuth : Grid North 45° A.M.G.

Material : Soil Samples  
 Sample Method : Hand Shell Auger  
 Sampled By : AD + GB  
 Date : March 1982

Size Fraction Analysed : -80"  
 Analysed By : Analabs  
 Method : A.A.S.

SAMPLE NUMBER	Sample Location Data				Sample Composition Data						Geology	METAL CONTENT (ppm. unless specified)									
	Grnd Line No	AMG CO-ORDINATES			DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic		Contam.	Cu	Pb	Zn	As	Au	Fe	Mn	Ag	Sn
	15160N	NORTHING	EASTING	Grnd Easting																	
50434	11140E	53		3	0.50	CRORBR	85	5	10			X	10	25	X		9350	50	2	X	
435	3150	53		3	0.30	DKBR	85	5	5			X	20	10	X		2550	25	X	1	
50437	111340E	53		3	0.25	CRBR	60	5	20	5		X	10	15	X		1.15%	25	X	X	
437	3200	53		3	0.70	GYBRGN	30	20	50			X	20	30	X		6350	80	X	X	
438	3000	53	B	HOR	1.05	DKGYBR	80	10	10			X	15	30	X		5850	50	X	X	
50439	110830E	53		3	0.25	CRGY	40	20	40			X	5	5	X		1100	20	X	1	
5040	1107140E	53		3	0.25	CRDBR	65	5	30			S	15	35	X		4.00%	80	7	1	
441	700	53	B	HOR	0.25	CRBR	100					S	15	40	X		4.50%	75	8	X	
442	100	53	B	HOR	0.30	GYORBR	95	5				X	10	15	X		6550	35	X	X	
5044	110680E	53		3	0.30	DKBR	90	5	5			X	5	5	X		1150	15	X	X	

# GEOCHEMICAL SAMPLE DATA SHEET

Project : Bulgebas. E.L. 12/72  
 Locality : Base  
 Grid Name : Base Grid  
 Nominal Grid Azimuth : Grid North A.S. A.M.G.

Material : Soil Samples  
 Sample Method : Hand Shell Auger  
 Sampled By : A.D.G.B.  
 Date : Nov. 1982

Size Fraction Analysed : -80"  
 Analysed By : Analabs  
 Method : A.A.S.

SAMPLE NUMBER	Sample Location Data				Sample Composition Data					Geology	METAL CONTENT (ppm unless specified)										
	Grid Line No	AMG CO-ORDINATES			DEPTH	COLOUR	Clay	Sand	Rock Frags.		Organic	Contam.	Cu	Pb	Zn	As	Au	Fe	Mn	Ag	Sn
	Grid Easting	NORTHING	EASTING																		
50444	110320E	53		3	0.20	GYBR	80	510	5			X		5	X	X	550	15	X	X	
445	360	53		3	0.70	ORBR	100						5	.15	.10	X	3350	20	1	X	
50446	110320E	53		3	0.45	CRGYBR	55	540					5	10	10	X	2500	30	X	X	
447	360	53		3	0.20	ORBR	95						5	10	15	X	1.45%	35	2	X	
448	380	53		3	0.35	ORBR	90						10	15	35	X	2.70%	50	4	1	
449	360	53		3	0.20	DKBR	60						20	2.5	20	X	2900	20	3	X	
450	340	53		3	0.40	ORBR	90						5	10	20	X	2.10%	40	3	2	
451	320	53		3	0.55	GYBR	95					X		5	10	X	2550	20	1	2	
452	300	53		3	0.45	CRGY	100					X		5	5	X	1100	20	1	X	
50453	110180E	53		3	0.40	CRGY	90					X	X		5	X	1650	35	X	X	
50454	10040E	53		3	0.15	CRGY	85					X		10	10	X	1150	15	X	X	
50455	9180E	53		3	0.55	CRGYBR	80					X		5	5	X	1300	15	1	X	
456	1160	53		3	0.40	CRBR	80	515					15	5	30	X	1.05%	30	4	X	
457	1140	53		3	0.15	CRGYBR	70					X		10	10	X	1000	10	1	X	
458	1120	53	HOR	2	0.20	DKCRBR	60					X		5	5	X	850	5	X	X	
459	1100	53		3	0.20	DKBR	60					X		15	10	X	1750	10	X	X	
460	880	53		3	0.25	GYBR	70					X		10	5	0.5	1900	5	X	X	
461	860	53		3	0.15	GYBR	35						30	45	15	X	7550	40	9	66	
462	840	53		3	0.15	CRGYBR	40						25	145	55	X	3990	50	2	2	
463	820	53		3	0.10	CRGYBR	50						5	40	20	X	1300	5	11	3	
464	800	53		3	0.15	GY	85					X		10	10	X	705	5	X	X	
465	780	53		3	0.15	CRBR	85					X		5	10	X	7000	10	X	X	
466	760	53		3	0.15	LTBROR	75						5	10	25	X	7900	25	3	1	
467	740	53		3	0.15	DKBR	70					X		15	10	X	1400	5	1	X	
468	720	53		3	0.15	ORBR	75						5	15	40	X	1.15%	70	4	5	

# GEOCHEMICAL SAMPLE DATA SHEET

Project : Bulgebac R.L. 12/72      Material : Soil Samples      Size Fraction Analysed : -80#  
 Locality : Baco      Sample Method : Hand Shell Auger      Analysed By : Anala  
 Grid Name : Baco 9rd      Sampled By : G.B.T.R.C.      Method : A.A.S.  
 Nominal Grid Azimuth : Grid North 45° A.M.G.      Date : March 1982

SAMPLE NUMBER	Sample Location Data				Sample Composition Data				Geology	METAL CONTENT (ppm. unless specified)										
	Grnd Line No	AMG CO-ORDINATES		DEPTH	COLOUR	Clay	Sand	Rock frags.		Organic	Contam.	Cu	Pb	Zn	As	Au	Fe	Mn	Ag	Sn
	12900N	NORTHING	EASTING																	
50469	10100E	53	3	0.80	OR	80	10	10			5	15	35	0.5		3.45%	45	2	X	
47	1000	53	3	0.50	ORBR	60	30	10			5	15	40	X		4.05%	55	7	2	
471	1040	53	3	0.60	ORTR	60	20	20			5	25	45	1.0		5.60%	75	7	X	
475	1120	53	3	0.65	ORBR	60	30	10			5	15	25	0.5		3.40%	50	4	1	
472	1100	53	3	0.50	RDOR	80	10	10			20	35	30	1.0		7.10%	55	9	X	
474	080	53B	HORZ	0.55	RDOR	60	20	20			5	35	30	0.5		7.55%	45	9	X	
475	060	53	3	0.85	KRDOR	95		5			5	35	40	1.5		9.20%	65	13	2	
476	070	53	3	0.40	CRGY	58	5	10			X	10	X	X		600	X	1	X	
477	080	53B	HORZ	0.30	CRGY	80	10	10			X	X		X		1000	5	1	5	
473	10000	53	3	0.25	CRBR	58	0	15			X	10	5	X		750	5	X	2	
50470	9520E	53	3	0.45	R3K	30	40	30			X		10	X		850	20	3	X	
480	500	53B	HORZ	0.25	GYBR	40	50	10			X	10	5	X		950	10	1	X	
481	480	53B	HORZ	0.15	CRGY	80	10	10			X	10	5	X		1650	15	X	1	
50482	9300	53B	HORZ	0.45	CRGY	50	40	10			X	5	5	X		600	10	X	1	

# GEOCHEMICAL SAMPLE DATA SHEET

Project : Bulgebac. #h. 12/72  
 Locality : Boco  
 Grid Name : Boco Grid  
 Nominal Grid Azimuth : Grid North 45° A.M.G.

Material : Soil Samples  
 Sample Method : Hand shell auger  
 Sampled By : RC + GB  
 Date : March 1982

Size Fraction Analysed : -80#  
 Analysed By : Analabs  
 Method : A.A.S.

SAMPLE NUMBER	Sample Location Data				Sample Composition Data						Geology	METAL CONTENT (ppm. unless specified)									
	Grid Line No	AMG CO-ORDINATES			DEPTH	COLOUR	Clay	Sand	Rock frags.	Organic		Contam.	Cu	Pb	Zn	As	Au	Fe	Mn	Ag	Sn
	Grid Easting	NORTHING	EASTING																		
50483	113580N	53	3	0.35	LTOR	30	30	40				15	35	20	X		2.45%	145	12	X	
484	113580N	53	3	0.65	DKBRGY	50	50					5	15	10	X		1700	15	1	X	
485	113580N	53	3	0.55	BK	90	5	5				X	30	20	X		5700	30	9	X	
50486	11040E	53	3	0.45	BK	40	60					X	10	10	X		2900	25	1	1	
50487	10780E	53	3	0.75	OR		100						5	20	20	X	3900	55	1	X	
488	760	53	3	0.75	BK	20	20	60				X	10	5	X		950	10	X	X	
489	740	53	3	0.25	BK	50	40		10			X	X	5	X		700	10	X	X	
50490	10250E	53	3	0.45	GY	80	5	5	10			X	15	10	X		9200	25	1	X	
491	650	53	3	0.55	GY	40	30	30				X	25	15	X		8850	85	3	2	
492	640	53	3	0.50	GY	30	30	40				X	10	10	X		2000	20	1	1	
493	620	53	3	0.25	GY	80	10	5	5			X	X	5	X		750	15	X	X	
494	600	53	3	0.25	GYBK	80	5	10	5			X	10	5	X		650	10	1	3	
50495	10450E	53	3	0.25	LTGY	10	90					X	10	10	X		750	10		X	
50496	10360E	53	3	0.25		80	10	10					5	20	30	X	1.70%	35	4	3	
50497	10280E	53	3	0.25	GYRD	50	40	10				X	30	30	X		450	10	X	X	
50498	9780E	53	3	0.25	GY	10	90					X	10	15	X		1800	10	X	1	
499	9740	53	3	0.25	GY	50	50					X	15	10	X		550	5	X	X	
50500	9320E	53	3	0.25	BK	50	40	10				X	10	15	X		1200	15	X	X	

# GEOCHEMICAL SAMPLE DATA SHEET

Project : Bulgobac E.L. 12/72      Material : Soil Samples      Size Fraction Analysed : -80\*  
 Locality : Boca      Sample Method : Hand shell Quser      Analysed By : Analabs  
 Grid Name : Boca grid      Sampled By : DA + AD      Method : A.A.S.  
 Nominal Grid Azimuth : Grid North N.S. A.M.G.      Date : March 1982

SAMPLE NUMBER	Sample Location Data				Sample Composition Data						Geology	METAL CONTENT (ppm unless specified)										
	Grnd Line No	AMG CO-ORDINATES			DEPTH	COLOUR	Clay	Sand	Rock frags.	Organic		Contam.	Cu	Pb	Zn	As	Au	Fe	Mn	Ag	Sn	
	11228 ON	NORTHING	EASTING																			
46201	110300	E 53		3	0.60	ORBR	80	20				X		10	35	0.5		2.70%	65	X		1
202	280	53		3	0.19		50	10	35	5		X		5	20	X		3.250	30	X		2
203	260	53 B	HOE	3		DKBR	50	20	10	20		X		15	25	X		2.350	45	X		1
204	240	53		3	0.25	GYBR	70	5	20	5		X		5	5	0.5		1.100	15	X		1
205	220	53		3	0.30	BR	60	30	10			X		10	10	X		1.900	20	X		1
206	200	53		3	0.10	DKGYBR	65	5	15	15		X		25	20	X		4.500	35		1	2
207	180	53		3	0.25	LTBR	55	20	25				5	20	25	X		1.30%	35		2	X
208	160	53		3	0.30	BR	50	5	40	5			15	25	55	X		1.40%	60		3	2
209	140	53		3	0.40	CR LTB	55	20	25			X		10	20	0.5		6.300	25	X		1
210	120	53		3	0.20	CRGYBR	55	10	30	5			5	5	25	X		1.20%	40		1	2
211	100	53		3	0.60	CRBR	70	20	10				5	15	30	X		1.65%	25		4	1
212	080	53		3	0.47	GYBR	65	5	25	5		X		X	10	X		1.500	10	X		X
213	060	53		3	0.85	GYBL	50	20	25	5		X		X	5	0.5		1.150	10	X		1
214	040	53		3	0.60	CRBR	70	5	20	5		X		10	20	X		3.800	25	X		1
215	020	53		3	0.40	GYBR	50	25	25			X		X	5	X		1.300	10	X		2
46216	10000	53		3	0.50	GYBR	60	5	30	5		X		X	15	X		2.300	20	X		1
217	980	53		3	0.40	GYBR	40	25	35			X		X	20	X		3.350	20	X		X
218	960	53		3	0.48	LTBR	60	5	30	5		X		5	30	X		1.75%	25	X		2
219	940	53		3	0.40	CRGYBR	40	25	35			X		X	5	X		650	10	X		2
220	920	53		3	0.35	CRGYBR	55	5	35	5		X		5	10	X		1.200	5	X		2
221	900	53		3	0.40	CRDKBR	50	20	30			X		10	30	X		6500	10	X		2
222	880	53		3	0.40	CRDKBR	40	20	35	5		X		X	10	X		800	5	X		1
223	840	53		3	0.29	CRDKBR	55	10	30	5		X		10	5	X		600	5	X		2
224	820	53		3	0.25	DKBR	55	30	10	5		X		X	5	X		700	20	X		1
225	800	53		3	0.45	GYBR	70	5	20	5		X		X	5	X		1.300	20	X		2
226	780	53		3	0.55	BR	80	5	10	5		X		10	20	0.5		2.600	20	X		1

# GEOCHEMICAL SAMPLE DATA SHEET

Project : Bulobee. E.L. 12/72  
 Locality : Bee.  
 Grid Name : Bee Grid  
 Nominal Grid Azimuth : Grid North 45° A.M.G.  
 Material : Soil Samples  
 Sample Method : Hand shell auger  
 Sampled By : AD + GB  
 Date : March 82  
 Size Fraction Analysed : -80"  
 Analysed By : Analabs  
 Method : A.A.S.

SAMPLE NUMBER	Sample Location Data				Sample Composition Data					Geology	METAL CONTENT (ppm. unless specified)										
	Grid Line No	AMG CO-ORDINATES			DEPTH	COLOUR	G	M	Rock Frags.		Organic	Contam.	Cu	Pb	Zn	As	Au	Fe	Mn	Ag	Sn
	Grid Easting	NORTHING	EASTING																		
46227	9420E	53	3	0.45	CRBR	30	30	40				X	X	10	X		2050	20	X		1
228	9330	53	3	0.55	GRGYBL	40	20	40				X		10	X		1000	10	X		X
229	9240	53	3	0.17	DKBR	80	5	10	5	CREEK		X		5	X		1150	10	X		X
230	8760	53	3	0.40	CRORBR	100						X		60	X		1.50%	45	12	X	
231	740	53	3	1.10	GYBR	85	5		10	CREEK			5	60	X		9650	90	12	X	
232	720	53	3	1.20	GNCRBR	40	10	50					5	55	X		3750	50	10	X	
233	8660E	53	3	0.40		55	5	35	5			X	X	10	0.5		1050	15	1		2
46234	8620	53	3	0.55	GYBR	55	40	5				X		10	X		1700	10	X		1
235	600	53	3	0.75	ORBR	85	5	10				X		10	X		1.35%	40	8	X	
236	580	53	3	0.80	BR	95		5				X	X	15	X		2350	10	1	X	
237	560	53	3	0.27	CRBR	95	5					X		15	X		1450	10	2	X	
238	540	53	3	0.35	CRORBR	85	10	5					5	5	X		9760	15	7	X	1
239	520	53	3	0.15	ORBR	80	5	5	10			X		5	X		1.50%	30	1	X	
240	500	53	3	0.45	ORBR	40	20	40					5	20	X		2.85%	8	3	X	
241	480	53	3	0.10	GYBR	85	5	5	5				5	X	X		800	10	X		X
242	460	53	3	0.25	CRDKBR	40	10	50					5	5	X		1800	20	1		3
243	440	53	3	0.30		75	10	5	10				25	275	X		5150	30	9		2
244	420	53	3	0.25	CRBR	60	25	15				X		35	X		2450	30	X		1
245	400	53	3	0.25	GYBR	85	5	10				X	X	10	X		500	10	X		2
246	380	53	3	0.20	DKCRBR	75	20	5				X		10	X		4200	15	X		1
247	2780	53	3	0.60	DKBR	60	20	20				X		15	X		1700	20	X		2
248	1840	53	3	0.80	LTBR	100						X		5	X		2450	25	X		X
249	1820	53	3	0.90	WHGY	100						X		5	X		2000	20	X		X

# GEOCHEMICAL SAMPLE DATA SHEET

Project : Bulgebac R.L. 12/72      Material : Soil Samples      Size Fraction Analysed : -80"  
 Locality : Boep      Sample Method : Hand Shell Auger      Analysed By : Analabs  
 Grid Name : Boep grid      Sampled By : ADGB      Method : A.A.S.  
 Nominal Grid Azimuth : Grid North 45° A.M.G.      Date : March 1982

SAMPLE NUMBER	Sample Location Data				Sample Composition Data					Geology	METAL CONTENT (ppm. unless specified)										
	Grid Line No	AMG CO-ORDINATES			DEPTH	COLOUR	Clay	Sand	Rock Frag.		Organic	Contam.	Cu	Pb	Zn	As	Au	Fe	Mn	Ag	Sn
	Grid Easting	NORTHING	EASTING																		
46250	12280N	8980E	53	3	0.95	GYBR	75	15	5	5		X	X	10	X		1550	15	X	X	
251		9330	53	3	1.40	CRGYBR						10	10	40	X		6600	70	2	X	
252		300	53B	HORZ	1.35	GYLTGN	60	30	5	5		25	20	85	X		8750	110	X	X	
253		280	53B	HORZ	1.00	CRBR	35	20	20	25		10	20	45	X		6300	55	2	X	
254		9240	53	3	0.90	GNCRBR	55	20	20	5		X	15	25	X		4800	30	1	X	
255		220	53B	HORZ	1.35	CRGYBR	60	15	20	5		10	25	55	X		8100	65	1	X	
256		200	53B	HORZ	1.40	CRGNBR	65	15	15	5		5	20	50	X		5300	40	X	X	
257		180	53	3		CRGN	25	55	20			10	30	115	X		9700	280	1	X	
258		160	53B	HORZ	1.40	CRGNBR	40	30	30			5	15	35	X		3450	30	X	X	
259		140	53B	HORZ		GYBR	65	10	20	5		15	25	45	X		5550	55	1	2	
260		120	53	3	1.05	BLBROR	65	10	15	10		X	10	15	X		2900	20	X	2	
261		100	53	3	1.35	CRGNBR	75	10	15			45	15	80	X		4700	50	3	1	
262		080	53B	HORZ	1.40	WHBR	90	10				10	15	50	X		4100	35	1	2	
46263		9060E	53	3	1.30	CRGNUGY	65	5	25	5		5	10	40	X		3950	40	1	1	

# GEOCHEMICAL SAMPLE DATA SHEET

Project : Bulgebac E.S. 12/72      Material : Soil Samples      Size Fraction Analysed: -80"  
 Locality : Baco      Sample Method : Hand Shell Auger      Analysed By : Anlake  
 Grid Name : Baco Grid      Sampled By : AD + R.C      Method : A.A.S.  
 Nominal Grid Azimuth : Grid North A.S. A.M.G.      Date : March 1982

SAMPLE NUMBER	Sample Location Data				Sample Composition Data					Geology	METAL CONTENT (ppm unless specified)										
	Grid Line No	AMG CO-ORDINATES			DEPTH	COLOUR	Clay	Sand	Rock Frags.		Organic	Contam.	Cu	Pb	Zn	As	Au	Fe	Mn	Ag	Sn
	Grid Easting	NORTHING	EASTING	CLAY																	
46264	9120E	53	3	0.75	BL	10	30	30	30			X	X	5	X		400	10	X		1
265	9140	53	3	0.65	RDORBR	20	10	70				10	30	45	X		3.40%	70	8	X	
266	1120	53	3	0.35	GYBR	30	10	30	30			X	5	10	X		2100	30	X	X	
267	9060	53	3	0.70	BR	80	10	10				X	X	10	X		1450	25		X	
268	9040	53	3	0.35	LTGY	40	50		10			X	10	10	X		1650	10	11		2
269	9020	53	3	0.35	GYBR	70	10	10	10			10	15	45	X		1.90%	140	6		2
270	9000	53	3	0.35	ORGY	60	10	30				5	25	35	X		2.10%	40	13		3
271	8950	53	3	0.35	ORBL	80		20				5	20	35	X		2.55%	50	10	X	
272	960	53	3	0.45	LTOR	100						5	10	35	0.5		2.50%	65	14	X	
273	940	53	3	0.55	OR	5	95					15	25	65	0.5		3.40%	95	17	X	
274	920	53	3	0.35	BL	90	5	5				X	X	5	0.5		800	10	X	X	
275	900	53	3	0.40	GYOR	40	10	50				20	10	55	X		1.55%	135	4		3
276	880	53	3	0.35		40	50		10			X	10	20	X		8000	20			2
277	8820	53	3		GYOR	10	90					5	X	20	X		5000	15	X		1
278	800	53	3	0.35	GYOR	80	20					5	10	30	X		9800	30	4	X	
279	780	53	3	0.55	ORGY	90	10					10	10	55	X		2.20%	80	6	X	
280	760	53	3	0.75	OR	100						5	10	35	X		1.70%	20	3		2
281	740	53	3	0.25		10		90				5	10	20	X		2550	15	3	X	
282	720	53	3	0.45	OR	90	10					15	25	45	X		1.60%	20	14		2
283	700	53	3	0.25	BL	25	25	50				X	X	10	X		550	X		11	X
284	680	53	3	0.35	OR	95		5				20	115	135	X		3.55%	70	58	X	
285	660	53	3	0.50	OR	95		5				25	105	80	X		3.00%	40	41	X	
286	640	53	3	0.25	CRBR	90	5		5			10	90	40	X		8000	25	21		1
287	620	53	3	0.96	OR	95		5				45	105	105	X		3.30%	70	56	X	
288	600	53	3	0.60	RLTBR	85	15					5	X	75	X		8700	20	3		1
289	580	53	3	0.40	CRBR	85	15					X	25	85	X		8900	100	12		2

# GEOCHEMICAL SAMPLE DATA SHEET

Project : Bulgebec. E.L. 12/72      Material : Soil Samples      Size Fraction Analysed : -80"  
 Locality : Beech      Sample Method : Hand Shell Auger      Analysed By : Anala  
 Grid Name : Boco Grid      Sampled By : A.D.-R.C.      Method : A.A.S.  
 Nominal Grid Azimuth : Grid North 45° A.M.G.      Date : March 1982

SAMPLE NUMBER	Sample Location Data			Sample Composition Data						Geology	METAL CONTENT (ppm. unless specified)									
	Grid Line No	AMG CO-ORDINATES		DEPTH	COLOUR	Clay	Silt	Rock frags.	Organic		Contam.	Cu	Pb	Zn	As	Au	Fe	Mn	Ag	Sn
	Grid Easting	NORTHING	EASTING																	
46290	8440E	53	3	0.50	ORG Y BR	80	20					X	X	30	X		4000	25	3	X
291	420	53	3	0.55	R BR	80	15	5				X	10	55	X		1.25%	35	1	X
292	8380	53	3	0.60	G Y BK	95	5					390	155	120	0.5		1.10%	45	43	3
293	360	53	3	0.38	G Y BR BK	70	20	10				X	5	10	X		1300	10	2	X
294	340	53	3	0.70	C BR	65	35					X	5	40	X		2900	35	1	1
295	320	53	3	0.40	L TOR BR	90	10					X	15	105	X		8100	65	1	2
296	300	53	3	0.55	L TOR BR	90	10					5	10	40	X		2650	20	1	2
297	280	53	3	0.43	O BR	85	15					X	X	35	X		8100	35	1	X
298	260	53	3	0.38	O BR	80	20					5	10	15	X		2450	15	1	X
299	240	53	3	0.36	L TOR BR	60	20	20		CREEK		10	85	105	X		2.05%	205	17	1
46300	8220E	53	3	0.20	L T G Y CR	70	30	15				5	20	35	X		4750	70	3	1

Project : Bulgobac E.H. 12/72  
 Locality : Boco  
 Grid Name : Boco grid  
 Nominal Grid Azimuth : Grid North N.S. A.M.G.  
 Material : Soil Samples  
 Sample Method : Hand shell Auger  
 Sampled By : A.D.J.A.  
 Date : March 1982  
 Size Fraction Analysed : -80"  
 Analysed By : Analabs  
 Method : A.A.S.

SAMPLE NUMBER	Sample Location Data				Sample Composition Data					Geology	METAL CONTENT (ppm unless specified)									
	Grd Line No	AMG CO-ORDINATES		DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic		Contam.	Cu	Pb	Zn	As	Au	Fe	Mn	Ag	Sn
	Grid Easting	NORTHING	EASTING																	
43001	110440E	533	40K2	0.35	BR	70	10	20												
002	420	53	3	0.15		65	5	20	10											
3	400	53	3	0.50	ORBR	70	10	15	5											
4	380	53	3	0.30	DKBR	65	5	25	5											
5	360	53	3	0.15	ORDKBR	70	30													
6	340	53	3	0.55	OR	60	5	25	10											
7	320	53	3	0.55	ORBR	95			5											
8	300	53	3	0.45	DKBR	55	5	30	10											
9	280	53	3	0.55	GYBR	65	5	25	5											
10	260	53	3	0.75	ORBR	80	5	10	5											
11	240	53	3	0.55	CRGYBR	100														
12	220	53	3		DKGY	30	30	30	10											
		53	3																	
43013	10020	53	3	0.30		50	35	10												
14	10000	53	3	0.35	GYBK	70	5	10	15											
15	9980	53	3	0.30	GY	50	30	15	5											
16	960	53	3	0.10	DKBR	50		50												
		53	3																	
117	9360	53	3	0.40	DKGYBR	20	4	5	5											
118	540	53	3	0.40	BR	75	25													
		53	3																	
119	9760	53	3	0.40	DKBR	70	5	25												
20	740	53	3	0.35	CRBR	60	35	5												
21	720	53	3	0.35	CRBR	80	10	10												
22	700	53	3			95			5											
		53	3																	
123	9660	53	3	0.60	CR	70	30													
		53	3																	
124	9320	53	3	0.30	GYBR	65	5	35												
125	1500	53	3	0.65	CRBK	60	10	25	5											



# GEOCHEMICAL SAMPLE DATA SHEET

Project : Bujaebac. E.H. 12/72  
 Locality : Bece.  
 Grid Name : Bece Grid  
 Nominal Grid Azimuth : Grid North A.S. A.M.G.

Material : Soil Samples  
 Sample Method : Hand Shell Auger  
 Sampled By : G.B. & D.A.  
 Date : 2.4.82

Size Fraction Analysed : -80"  
 Analysed By : Anslabs  
 Method : A.A.S.

SAMPLE NUMBER	Sample Location Data			Sample Composition Data					Geology	METAL CONTENT (ppm. unless specified)										
	Grid Line No	AMG CO-ORDINATES		DEPTH	COLOUR	Clay	Sand	Rock Frag.		Organic	Contam.	Cu	Pb	Zn	As	Au	Fe	Mn	Ag	Sn
	12280 N	NORTHING	EASTING																	
43023	9480E	53	3	0.15	CRBR	55	10	30	5											
43023	9360	53	3	0.80	BR	40	55	5												
30	9340	53	3	0.35	CRORBR	90	10													
31	8320	53	3	0.35	CRORBR	65	53	0												
32	300	53	3	0.40	GYBR	75	51	5												
33	280	53	3	0.45	CRDKBR	95	5		Poss											
34	260	53	3	0.40	GYENBR	80	51	0	Poss											
35	240	53	3	0.85	GNBY	65	10	25	Poss											
36	8080	53	3	0.30	CRBR	50	54	5	Poss											
37	060	53	3	0.70	BRORGY	90	10		Poss											
38	040	53	3	0.40	GNBYBR	80	51	0	Poss											
39	020	53	3	0.35	DKBR	95	5		Poss											
40	8000	53	3	0.45	ORBR	85	51	0												
41	7980	53	3	0.80	ORDKBR	85	51	0												
42	260	53	3	0.80	ORBR	65	53	0												
43	940	53	3	0.70	ORBR	60	10	30	Poss											

# GEOCHEMICAL SAMPLE DATA SHEET

Project : Bulgebac E.L. 12/72      Material : Soil Samples      Size Fraction Analysed : -80"  
 Locality : Boco      Sample Method : Hand shell digger      Analysed By : Analabs  
 Grid Name : Boco Grid      Sampled By : G.B. + A.P. + D.A.      Method : A.A.S.  
 Nominal Grid Azimuth : Grid North 45° A.M.G.      Date : 8-4-82

SAMPLE NUMBER	Sample Location Data				Sample Composition Data						Geology	METAL CONTENT (ppm unless specified)									
	Grid Line No	AMG CO-ORDINATES			DEPTH	COLOUR	Clay	Sand	Rock frags.	Organic		Contam.	Cu	Pb	Zn	As	Au	Fe	Mn	Ag	Sn
	Grid Easting	NORTHING	EASTING	DEPTH																	
43044	1030	53		3	0.25	LTGYBR	65		15	20											
045	340	53		3	0.15	CRGY	65	530													
046	370	53		3	0.15	LTGYBR	75	5	20	PO <sub>4</sub> P											
047	380	53		3	0.40	CRGY	60	10	25	5											
048	240	53		3	0.55	CRDKBR	65	5	30												
049	260	53		3	0.40	CRBR	70	5	25												
50	240	53		3	0.55	DKBR	75	5	30	5											
51	220	53		3	0.40	CRGY	65	5	25	5											
52	200	53		3	0.20	LTDKBR	55	10	10	25	PO <sub>4</sub> P										
53	180	53		3	0.17	GYBR	60	5	20	5	CRK										
54	160	53		3	0.45	LTGYBR	52	0	70	5											
55	140	53		3	0.19	CRGY	45	15	40												
56	120	53		3	0.20	CRGYBR	80	10	10	PO <sub>4</sub> P	5										
57	100	53		3	0.15	CRGY	80	5	10	5											
58	080	53		3	0.35	LTGYBR	50	10	30	10											
59	060	53		3	0.30	CRGYBR	80	5	10	5											
60	040	53		3	0.30	DKBR	80	10	10												
61	020	53		3	0.40	CRGY	65	5	30												
62	9360	53		3	0.40	DKGYBR	65	10	10	15	PO <sub>4</sub> P										
63	940	53		3	0.60	GYBR	80	5	15												
64	920	53		3	0.30	DKBR	80	5	15	PO <sub>4</sub> P											
65	9780	53		3	0.60	CROR	100				"B"										
66	760	53		3	0.40	DKGYBR	85	5	5	5											
67	740	53		3	0.30	GYBR	90	5	5												
68	720	53		3	0.25	ORBR	90		10	"B"											
69	700	53		3	0.45	ORCRBR	90	5	5												
70	680	53		3	0.25	ORBR	75	10	10	5											
71	660	53		3	0.45	OROR	75	5	20												

Rosebery Tas

GEOCHEMICAL SAMPLE DATA SHEET

Project : Bulgohee A.L. 12/72 Material : Soil Samples Size Fraction Analysed : -80 $\mu$   
 Locality : Boco Sample Method : Hand shell Auger Analysed By : Analaab  
 Grid Name : Boco 9rd Sampled By : G.B.-D.A.-A.D. Method : A.A.S.  
 Nominal Grid Azimuth : Grid North 45 $^{\circ}$  A.M.G. Date : 8-4-82

SAMPLE NUMBER	Sample Location Data				Sample Composition Data						Geology	METAL CONTENT (ppm unless specified)									
	Grd Line No	AMG CO-ORDINATES			DEPTH	COLOUR	Clay	Sand	Rock Frag.	Organic		Contam.	Cu	Pb	Zn	Ag	Au	Fe	Mn	As	Sn
	Grd Easting	NORTHING	EASTING	53																	
43072	2520E	53	3	1.30	LT6YBR	70	10	20													
73	500	53	3	0.45	6Y	90	10														
74	9370	53	3	0.65	CRBRBK	85	15			POSS											
75	9300	53	3	0.30	6Y	85	5	5													
76	9260	53	3	0.35	ORBR	95	5			POSS											
77	9240	53	3	0.45	ORBR	95	5			POSS											
78	9220	53	3	0.55	OR	90	5	5													
79	9120	53	3	0.50	ORDKBR	70	30			POSS											
80	1000	53	3	0.90	ORCR	100				"B"											
81	080	53	3	0.20	BR	80	15	5													
82	9040	53	3	0.30	BRBK	65	35			POSS											
83	020	53	3	0.60	OR6Y	90	10			POSS											
84	9000	53	3	0.40	BRBK	95	5														
85	8980	53	3	0.40	BR	75	10	15													
86	8960	53	3	0.50	LTBRBK	95	10	5													
87	8820	53	3	0.40	CRORBR	90	5	5													
88	8800	53	3	0.45	ORCR	100				POSS											
89	1780	53	3	0.40	CRDKBR	95	5			POSS											
90	1760	53	3	0.60	ORCRGY	100				POSS											
91	1740	53	3	0.40	DKORBR	100				POSS											
92	1720	53	3	0.60	ORBRGY	100				POSS											
93	1700	53	3	0.40	BRBK	100				POSS											
94	1680	53	3	0.40	CRORBR	85	5	10													
95	1660	53	3	0.39	LTDKBR	90		10		"B"											

703037



EZ Co. Rosebery Tas. **GEOSCHEMICAL SAMPLE DATA SHEET**

Project : Bulgebet RL 12/72 Material : Soil Samples Size Fraction Analysed : -80 $\mu$   
 Locality : Bore Sample Method : Hand shell Ouger Analysed By : Analahe  
 Grid Name : Bore Grid Sampled By : G.B. + R.C. + D.A. Method : A.A.S.  
 Nominal Grid Azimuth : Grid North NS<sup>o</sup> AMG Date : 13-4-82

SAMPLE NUMBER	Sample Location Data				Sample Composition Data						Geology	METAL CONTENT (ppm unless specified)									
	Grid Line No	AMG CO-ORDINATES			DEPTH	COLOUR	Clay	S&M	Rock Frag.	Organic		Contam.	Cu	Pb	Zn	As	Au	Fe	Mn	Ag	Sn
	Grid Easting	NORTHING	EASTING	CLAY																	
101	10200	53		3	0.30	GYBR	25	40	25	10											
102	380	53		3	0.27	CRBR	80	5	10	5											
103	360	53		3	0.25	GYWH	10	80	10												
104	340	53		3	0.30	CR	65	5	30												
105	320	53		3	0.25	CRWH	40	50	10												
106	300	53		3	0.14	CRBR	60	10	25		SOILS										
107	280	53		3	0.70	BR	30	30	40												
108	260	53		3	0.65	BR	55	10	35												
109	240	53		3	0.55	CRBRGY	60	20	20												
110	220	53		3	0.45	DKBR	65	5	25	5											
111	200	53		3	0.25	DKBR	80	10	10												
112	180	53		3	0.35	ORBR	75	5	15	5											
113	160	53		3	0.25	BROR	80	10	10												
114	140	53		3	0.35	CRBR	60	10	30												
115	120	53		3	0.60	BRBK	30	40	30		POSS B										
116	100	53		3	0.50	GRGY	70	10	20												
117	080	53		3	0.45	CRGY	60	20	20												
118	060	53		3	0.40	CRGY	90	10			POSS B										
119	040	53		3	0.75	CROR	50	50			POSS B										
120	020	53		3	0.45	CRBK	100				POSS B										
121	1000	53		3	0.50	GYBK	10	80	10												
122	9980	53		3	0.20	CRWH	70	5	25												
123	9960	53		3	0.15	CRBR	40	40	20												
124	9940	53		3	0.30	CRBR	75	10	15												
125	9920	53		3	0.45	CRGY	20	60	20												
126	9900	53		3	0.40	WHBR	65	10	20	5											
127	9880	53		3	0.30	CRGY	110	80	10												
128	9860	53		3	0.50	BRGY	100				POSS B										
129	9840	53		3	0.50	CRGYBK	20	40	40		POSS B										



Project : Bulgober A.L. 12/72 Material : Soil Samples Site Fraction Analysed : -50"  
 Locality : Boco Sample Method : Hand Shell Auger Analysed By : Anilaba  
 Grid Name : Boco 9nd Sampled By : R.C. + G.B. + D.A. Method : A.A.S.  
 Nominal Grid Azimuth : Grid North 45° A.M.B. Date : 14-4-82

SAMPLE NUMBER	Sample Location Data				Sample Composition Data						METAL CONTENT (ppm unless specified)											
	Grid Line No	AMG CO-ORDINATES			DEPTH	COLOUR	Clay	Sand	Rock Frag.	Organic	Contam.	Geology	Cu	Pb	Zn	As	Au	Fe	Mn	Ag	Sn	
	11400N	NORTHING	EASTING	EASTING																		
151	110300E	53		3	0.45	CR BRGN	50	25	25													
152	230	53		3	0.50	CR BR	75	5	20													
153	260	53		3	0.35	CR BR	40	20	40													
154	240	53		3	0.30	CR	70	10	20													
155	230	53		3	0.35	RD KBR	30	25	54	POSS												
156	200	53		3	0.15	RR	70	5		POSS												
157	180	53		3	0.40	Y BR	35	30	30	5												
158	160	53		3	0.50	CR GY	80	10	10													
159	140	53		3	0.35	Y BR	30	40	30	POSS												
160	120	53		3	0.60	CR GY	85	5	10													
161	10000E	53		3	0.65	CR BR	30	30	40													
162	9950	53		3	0.60	CR BR	30	40	30													
163	960	53		3	0.60	CR BR	70	5	20	5												
164	940	53		3	0.70	CR BR	20	40	40	CR												
165	920	53		3	0.30	Y BR	90	10														
166	9520	53		3	0.65	CR BR	85	5	10													
167	560	53		3	0.60	CR BR	64	30	30	40												
168	500	53		3	0.40	GY	70	5	20	5												
169	520	53		3	0.20	Y BR	10	30	60													
170	500	53		3	0.45	W BR	10	90	10													
171	480	53		3	0.55	BR	20	35	50	POSS												
172	460	53		3	0.45	BR	35	40	20	POSS												
173	400	53		3	0.25	CR GY	10	40	50													
174	420	53		3	0.30	CR WH	40	15	45													
175	3000E	53		3	0.50	Y BR	20	60	20													
176		53		3	0.40	GY	55	40	5													



Project : BulgaBac. EL/12/72 Material : Soil Samples  
 Locality : Boco Sample Method : Hand shell Auger Size Fraction Analysed : -80"  
 Grid Name : Boco GRID Sampled By : Analabs  
 Nominal Grid Azimuth : GRID NORTH...45° AMG Date : Method : A.A.S.

SAMPLE NUMBER	Sample Location Data			Sample Composition Data						Geology	METAL CONTENT (ppm unless specified)									
	Grid Line No	AMG CO-ORDINATES		DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic		Contam.	Cu	Pb	Zn	As	Au	Fe	Mn	Ag	Sn
51210	15160N	9,000E	53	1.40	BRBL	60	30	10												
211	340	53	3	0.30	RBL	70	15	10	5	POSS GLACIAL										
212	380	53	3	0.20	GYWH	35	15	50												
51213	9400E	53	3	0.20	RBL	45	55	0												
214	420	53	3	0.45	RBL	75	52	0												
215	540	53	3	0.15	RDKBR	75	10	10	5											
216	560	53	3	0.15	GYBR	30	20	50												
217	580	53	3		GYBR	40	20	30	10											
51218	9600E	53	3	0.30	CRGY	60	40													
219	620	53	3	0.80	GYBR	30	20	50		POSS GLACIAL										
220	640	53	3	0.10	RCRGY	80	10	10												
51221	9700E	53	3		RBL	75	10	10	5											



# GEOCHEMICAL SAMPLE DATA SHEET

Project : BukgABAC EL 12/72 Material : Soil Samples  
 Locality : Boco Sample Method : Hand shell Auger  
 Grid Name : Boco CR.D Sampled By : D.A. + G.B.  
 Nominal Grid Azimuth : GR.D. NORTH. 45° AMG Date : 30/4/82

Size Fraction Analysed : -80\*  
 Analysed By : Analabs  
 Method : A.A.S.

SAMPLE NUMBER	Sample Location Data			Sample Composition Data							METAL CONTENT (ppm. unless specified)											
	Grnd Line No	AMG CO-ORDINATES		DEPTH	COLOUR	Clay	Sand	Rock Frag.	Organic	Contam	Geology	Cu	Pb	Zn	Ag	Au	Fe	Mn	As	Sn	W	
	14680N	NORTHING	EASTING																			
51178	7980E	53	3	0.60	CR6NBR	40	10	50														
51179	8000E	53	3	0.90	CRDRBR	10	30	50	10													
51180	8040E	53	3	0.85	CRDKBR	85	15															
181	060	53	3	0.30	CRDKBR	85	10		5													
182	080	53	3	0.45	CRDKBR	95	5															
51183	8100E	53	3	0.55	CRORBR	80	10	10														
184	120	53	3	0.45	CRBR	85	10		5													
185	540	53	3	0.50	GYDKBR	90	5	5														
186	560	53	3	0.40	GY	55	40		5													
187	580	53	3	0.25	ORBRYL	80	15		5													
51188	8600E	53	3	0.85	DKBR	95			5													
51189	8740E	53	3	0.40	GYBK	95			5													
190	760	53	3	0.40	GYBK	100																
191	780	53	3	0.25	DKBR	40	10	90	20													
51192	8800E	53	3	0.50	RRDRBR	75	5	20														
193	820	53	3	0.45	LTORBR	80	5	10	5													
194	840	53	3	0.10	CRORBR	65	15		10													
195	860	53	3	0.15	CRBR	80	5	5	10													
196	880	53	3	0.40	CRORBR	90	5	5														
51197	8900E	53	3	0.10	BRBK	45	5	10	40													
198	920	53	3	0.45	CRORBR	70	10	10	10													
199	940	53	3	0.30	ORBR	95		5														
51200	8960	53	3	0.30	ORGRGY	40	10	40	10													
51201	8980E	53	3	0.15	GYBR	85	10		5	20												
202	9000E	53	3	0.15	LTGY	90	5		5													
51203	9020E	53	3	0.15	CR	95	5															

# GEOCHEMICAL SAMPLE DATA SHEET

Project : **Bulgabac EL 12/72** Material : **Soil Samples** Size Fraction Analysed : **-80\***  
 Locality : **Bolo** Sample Method : **Hand Shell Auger** Analysed By : **Analabs**  
 Grid Name : **Bolo GRID** Sampled By : **A.D.T. G.B.T.D.A.** Method : **A.A.S.**  
 Nominal Grid Azimuth : **GRID NORTH 45° AMG** Date : **29/4/82**

SAMPLE NUMBER	Sample Location Data				Sample Composition Data						Geology	METAL CONTENT (ppm, unless specified)									
	Grid Line No	AMG CO-ORDINATES		DEPTH	COLOUR	Clay	Sand	Rock Frag.	Organic	Contam.		Cu	Pb	Zn	As	Au	Fe	Mn	Ag	Sn	W
	Grid Easting	NORTHING	EASTING																		
51169	10700E	53	3	0.45	YCR	40	1050			TRAM WAY											
51170	10760E	53	3	0.15	BRBKCR	35	3020	15													
171	780	53	3	0.20	YBRBL	35	3520	10													
51172	10800E	53	3	0.15	CRGYBR	60	1030			POSS GLACIAL											
173	820	53	3	0.50	ORBR	50	2525														
174	840	53	3	0.30	ORCRBR	70	520	5													
175	860	53	3	0.25	DKBRBT	15	1520	50													
176	900	53	3	0.45	BRGY	60	530	5		POSS GLACIAL											
177	920	53	3	0.30	GY	1080		5		POSS GLACIAL											

Z... Rosebery 135 GEOCHEMICAL SAMPLE DATA SHEET

Project : BulgoBak... EL 12/72 Material : Soil Samples Size Fraction Analysed : -80"  
 Locality : Boco Sample Method : Hand Shell Auger Analysed By : Analabs  
 Grid Name : Boco GRID Sampled By : G.B. + A.D. + P.A. Method : A.A.S.  
 Nominal Grid Azimuth : GRID NORTH... 45° AMG Date : 29/4/82

SAMPLE NUMBER	Sample Location Data				Sample Composition Data					Geology	METAL CONTENT (ppm unless specified)									
	Grid Line No	AMG CO-ORDINATES		DEPTH	COLOUR	Clay	Sand	Rock frags.	Organic Contam.		Cu	Pb	Zn	Ag	Au	Fe	Mn	As	Sn	W
	Grid Easting	NORTHING	EASTING																	
51140	8850E	53	3	0.65	ORBR	95	5													
141	900	53	3	0.55	OR	90	10													
142	920	53	3	0.65	GYBRBL	85	10		S											
143	940	53	3	1.10	GYBLBR	80	5	10	S											
144	960	53	3	2.00	GYCRBR	85	10		S											
145	980	53	3	0.50	BR	45	55	0												
51146	9000E	53	3	0.35	GYBR	70	15	10	S											
147	020	53	3	0.40	GYBL	95	5													
148	040	53	3	0.55	CRBR	95	5													
149	060	53	3	0.44	BRGYBL	30	20	50												
150	080	53	3	0.20	BRBL	45	20	30	S											
51152	9100E	53	3	0.15	CRBR	65	10	25												
152	120	53	3	0.20	CRGYPK	50	20	30												
153	140	53	3	0.45	CRBR	80	5	10	S											
154	160	53	3	0.55	CRGYBR	20	20	60												
155	180	53	3	0.45	CRBRBL	40	10	50												
51156	9200E	53	3	0.40	CRBRBL	35	40	25												
157	220	53	3	0.40	CROR	40	10	50												
158	240	53	3	0.35	GNORBR	40	20	40												
159	260	53	3	0.50	CRBR	75	5	20												
160	280	53	3	0.50	CRORBR	75	20	5												
51161	9300E	53	3	0.30	RCRBR	85	5	10												
162	320	53	3	0.40	CRORBR	40	35	25												
163	340	53	3	0.30	GYBR	80	10	10												
164	360	53	3	0.50	BRDKY	40	30	30												
165	380	53	3	0.15	DKGYBR	40	30	50												
51166	9400E	53	3	0.20	GYBR	30	30	40												
51167	10110E	53	3	0.15	RDORBR	10	30	60												
168	160	53	3	0.10	QRBR	70	20	10												

703047





# GLACIATION SAMPLE DATA SHEET

Project : BULGABAC EL. 12/72 Material : Soil Samples Size Fraction Analysed : -80"  
 Locality : BOCO Sample Method : Hand Shell Auger Analysed By : Anala  
 Grid Name : BOCO GRID Sampled By : R.C. + D.A. + G.B. Method : A.A.S.  
 Nominal Grid Azimuth : GRID NORTH 45° AMG Date : 27-4-82

SAMPLE NUMBER	Sample Location Data				Sample Composition Data					Geology	METAL CONTENT (ppm. unless specified)										
	Grid Line No	AMG CO-ORDINATES		DEPTH	COLOUR	Clay	Sand	Sack Frag.	Organic		Contam.	Cu	Pb	Zn	As	Au	Fe	Mn	Ag	Sn	W
	Grid Easting	NORTHING	EASTING																		
51087	10220E	33	3	1.25	R.D. OR BR	60	20	20													
088	240	53	3	0.30	BR BK			30	70												
		53	3																		
		53	3																		
		53	3																		
		53	3																		
51089	10280E	33	3	0.25	G Y BR	60	20	20													
090	300	53	3	0.15	DK BR	50	30	15	5												
091	320	53	3	0.40	G Y BR	55	20	20	5												
092	340	53	3	0.45	G Y BR	30	20	50		POSS GLACIAL											
093	360	53	3	0.45	G Y BR	30	30	40		POSS GLACIAL											
		53	3																		
51094	10420E	33	3	0.20	G Y	10	50	40													
095	440	53	3	1.10	CRGN BR	30	30	40		POSS GLACIAL											
096	460	53	3	1.10	GR	80	20			B.H. OR Z											
		53	3																		
51097	10820E	33	3	0.75	BR	10	50	40		POSS GLACIAL											
098	840	53	3	0.65	DK BR	50	20	25	5												
099	860	53	3	0.80	BR	30	40	30		POSS GLACIAL											
51100	10880E	33	3	0.65	CR BR	10	40	50		POSS GLACIAL											
		53	3																		
101	920	53	3	0.25	G Y BR	45	45	5	5												
102	940	53	3	0.65	CR OR BR	30	30	40													
103	960	53	3	0.65	OR BR	95	5			B.H. OR Z											
104	980	53	3	0.70	NG Y BR	10	60	30													
105	11000E	33	3	1.05	DK BR G Y	80	10	10													
106	020	53	3	0.20	DK G Y BR	55	40	5													
107	040	53	3	0.20	BK CR	50	35	5	10												
108	060	53	3	0.50	DK BR	80	20			B.H. OR Z											

GEOCHEMICAL SAMPLE DATA SHEET

Project : BULGABAC EL. 12/72 Material : Soil Samples Size Fraction Analysed : -80\*  
 Locality : BOCO Sample Method : Hand shell digger Analysed By : Analabs  
 Grid Name : BOCO GRID Sampled By : R.C. T.A.D. + G.B. Method : A.A.S.  
 Nominal Grid Azimuth : GRID. NORTH. 45° AMG Date : 27-4-82

SAMPLE NUMBER	Sample Location Data		Sample Composition Data							Geology	METAL CONTENT (ppm. unless specified)										
	Grid Line No	AMG CO-ORDINATES	DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic	Contam.		Cu	Pb	Zn	Ag	Au	Fe	Mn	As	Sn	W	
51066	10800E	3	0.85	Y LOR BR	100					'B'											
51067	780	3	1.30	BR	100					'B'											
068	760	3	0.45	BRBK	95				SS. O.A.H.	'B'											
069	740	3	0.45	CR	45	45	10														
070	720	3	0.50	GYBR		109	0														
071	700	3	0.40	BR	20	20	50	10													
072	680	3	0.15	BRBK	55	10	30	5													
073	660	3	0.45	CR		40	60		2.0% 6.2% 2.0%												
074	640	3	0.45	BRBK	75	51	0	10													
075	620	3	0.10	DKBR	45		10	45													
076	600	3	0.10	BRBK	70	52	0	5													
077	580	3	0.15	CRBR	35	35	15	15													
078	560	3	0.10	BRBK	70		10	20													
079	540	3	0.15	BK	30	15	15	40													
080	520	3	0.35	BRBK	80	51	0	5													
081	500	3	0.45	OR	10	50		40													
082	480	3	0.10	BR	30	60		10		'B'											
083	460	3	1.45	CRBR	100					'B'											
084	440	3	0.45	CR	80		20														
085	420	3	0.85	CRBR	50	20	30														
086	400	3	0.25	CRGYBR	65	25	10			'B'											
	10380E	3	NO SAMPLE TAKEN																		

ROSEBERY TAS. CHEMICAL SAMPLE DATA SHEET

Project : BULGABAC EL 12/72 Material : Soil Samples Size Fraction Analysed : -80\*  
 Locality : Boco Sample Method : Hand Shell Auger Analysed By : Analabs  
 Grid Name : Boco GRID Sampled By : RCT AD TGB Method : A.A.S.  
 Nominal Grid Azimuth : GRID NORTH 45° AMG Date : 15/4/82

SAMPLE NUMBER	Sample Location Data				Sample Composition Data						Geology	METAL CONTENT (ppm. unless specified)										
	Grid Line No	AMG CO-ORDINATES			DEPTH	COLOUR	Clay	Silt	Rock Frags.	Organic		Contam.	Cu	Pb	Zn	Ag	Au	Fe	Mn	As	Sn	W
	Grid Easting	NORTHING	EASTING																			
48156	10420E	53	3	0.45	DKBR	80	15	5														
197	400	53	3	0.40	CRBR	25	25	45	5													
198	380	53	3	0.40	BR	90			20													
199	360	53	3	0.60	CRBR	75	10	15														
190	340	53	3	0.30	DKBR	65	10	25														
191	320	53	3	0.30	DKBR	50	30	20	PeSSR													
192	300	53	3	0.40	CRDKBR	60	5	15	20	HORIZ												
193	250	53	3	0.50	DKBR	55	20	520														
194	260	53	3	0.40	CRBR	75		520	B HORIZ													
195	240	53	3	0.45	G4BR	30	30	30	5													
196	220	53	3	0.40	CRG4BR	70	10	10	10													
197	200	53	3	0.35	G4WH	30	20	50	6% PeSSR													
198	080	53	3	0.30	GRBR	50	20	30														
199	9660	53	3	0.60	CRBR	55	40	5														
48200	9580E	53	3	0.40	G4BR	80		5	15													
50501	9560E	53	3	0.60	ORBR	80		20														
502	510	53	3	0.40	BR	65	30			B												
503	520	53	3	0.55	CRORBR	70	10	15	5													
504	500	53	3	0.45	G4BR	60	10	20	10													
505	480	53	3	0.30	G4GY	45	20	15	5													
506	3300	53	3	0.70	CRBR	50	50			B												

GEOCHEMICAL SAMPLING SHEET

Project : Bulgabac E.L. 12/72 Material : Soil Samples  
 Locality : Boco Sample Method : Hand Shell Auger  
 Grid Name : Boco Grid Sampled By : GB + RC  
 Nominal Grid Azimuth : Grid North 45° Mag Date : 20-4-82

Size Fraction Analysed : -80"  
 Analysed By : Analabs  
 Method : A.A.S.

SAMPLE NUMBER	Sample Location Data				Sample Composition Data					Geology	METAL CONTENT (ppm. unless specified)										
	Grid Line No	AMG CO-ORDINATES		DEPTH	COLOUR	CLAY	SAND	Rock Frag.	Organic		Contam.	Cu	Pb	Zn	As	Au	Fe	Mn	Ag	Sn	W
	Grid Easting	NORTHING	EASTING																		
50507	1040	53	3	0.05	BR		20	30			A										
50508	1060	53	3	0.10	LT GY BK		20	40													
50509	1080	53	3	0.15	LT GY		40	10	20	CRK	B										
510	500	53	3	0.25	GY BR		40	20	20												
511	520	53	3	0.30	CR DK BR		25	25	10	40											
512	540	53	3	0.40	CR DK BR		15	15	30	40											
513	560	53	3	0.25	CR BR		30	40	10	20											
514	580	53	3	1.00	LT OR		30	10	10												
515	600	53	3	0.35	OR BR		50	20	10	10											
516	620	53	3	0.25	OR BR		40	20	40												
517	640	53	3	0.15	BR BR		30	10	10												
518	660	53	3	0.15	BR		40	50	10												
519	680	53	3	0.15	DK BR		15	55	20	Pos B	B										
520	700	53	3	0.45	OR		70	20	10												
521	720	53	3	0.35	BR CR OR		20	60	20												
522	740	53	3	0.45	CR BR		30	60	10												
523	760	53	3	0.40	CR GY BR		20	10	10												
524	780	53	3	0.15	BR		40	40	50	Pos B	B										
525	800	53	3	0.60	OR		50	50													
526	820	53	3	0.35	GY BR		10	30	10	50											
527	840	53	3	0.20	BR		20	10	10												
528	860	53	3	0.25	GY		50	40	10												
529	880	53	3	0.15	DK BR		10	10	80												
530	900	53	3	0.25	OR		30	20													
531	920	53	3	0.25	CR GY		40	50	10												
532	940	53	3	0.45	LT OR		50	50													
533	960	53	3	0.25	DK BR		20	20	60		A/B										
534	980	53	3	0.30	LT BR CR		30	50	10												
535	1000	53	3	0.25	CR OR		50	20													

Project : BULBARK E-L 12/72 Material : Soil Samples Size Fraction Analyzed : -20"  
 Locality : BOCO Sample Method : Hand Shell Auger Analysed By : Anabela  
 Grid Name : BOCO GRID Sampled By : GB TRC Method : A.A.S.  
 Nominal Grid Azimuth : GRID NORTH 15 MAG Date : 20-4-82

SAMPLE NUMBER	Sample Location Data				Sample Composition Data						Geology	METAL CONTENT (ppm. unless specified)									
	Grid Line No	AMG CO-ORDINATES		DEPTH	COLOUR	Clay	Sand	Rock frags.	Organic	Contam.		Cu	Pb	Zn	As	Au	Fe	Mn	Ag	Sn	W
	Grid Easting	NORTHING	EASTING																		
5052	10950E	53	3	0.35	LTGYAR	50	50														
53	920	53	3	0.35	CREYBR	40	50		10												
536	900	53	3	0.25	CREY	10	50	10													
533	880	53	3	0.25	GY	10	50	10													
540	860	53	3	0.25	GY	40	50	10													
541	840	53	3	0.25	CREY	40	50	10													
542	820	53	3	0.30	BR																
543	800	53	3	0.30	GYBR&N	50	10	10													
544	780	53	3	0.35	DKERS	50	30	20													
545	760	53	3	0.35	BR	10															
546	740	53	3	0.35	LTGY	10	60	30													
547	720	53	3	0.15	DKER		50		50												
548	700	53	3	0.05	BR		10		90												
549	680	53	3	0.65	LTBR	20	40		40												
550	660	53	3	0.45	BR	35	55		525												
551	640	53	3	0.15	BR		10		90												
552	620	53	3	0.45	BKBR&R	30	30	40													
553	600	53	3	0.40	GYBR	40	40	10	10												
554	580	53	3	0.45	DK&KR	5		95													
555	560	53	3	0.35	DKBR		50	50													
556	540	53	3	0.45	BR		50		50												
557	520	53	3	0.35	LTBR		100														
558	500	53	3	0.45	BR&K	30	30	20	20												
559	480	53	3	0.55	BR	20	40	40													
560	460	53	3	0.40	CRBR	20	20	60													
	10470	53	3																		
		53	3																		
		53	3																		

Project : BULGABAC E.L. 12/72 Material : Soil Samples Size Fraction Analysed : -80<sup>μ</sup>  
 Locality : BOCO Sample Method : Hand Shell Auger Analysed By : Analabs  
 Grid Name : BCCA GRID Sampled By : R.C.T. G.B. Method : A.A.S.  
 Nominal Grid Azimuth : GRID NORTH... A5° AMG Date : 21-9-82

SAMPLE NUMBER	Sample Location Data				Sample Composition Data						Geology	METAL CONTENT (ppm. unless specified)									
	Grd Line No	AMG CO-ORDINATES		DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic	Contam		Cu	Pb	Zn	As	Au	Fe	Mn	Ag	Sn	W
	Grd Easting	NORTHING	EASTING																		
	10440E	513	3																		
50561	460	513	3	0.15	CRORBR	45	30	35													
562	480	513	3	1.0	EDREY	60	10	30		CRK											
563	500	513	3	0.4	ORER	70		30													
564	10520E	513	3	0.2	SCRG4BR	50	10	35		SPOSSB											
565	540	513	3	0.5	OG4BR	45	10	40													
566	560	513	3	0.6	DKBR	20		80		A											
567	580	513	3	0.35	DKBR	45	30	10		SPOSSB											
568	600	513	3	0.1	CRDXBR	40		50													
569	620	513	3	0.3	OG4BR	45	45			10											
570	640	513	3	0.5	OG4WH	50	30	20		GLACIAL											
571	660	513	3	0.35	SCRG4BR	30	40	20		10											
572	680	513	3	0.4	OG4BR			50		GLACIAL											
573	10700E	513	3	0.4	OG4BR	20	65	15													
574	720	513	3	0.25	OG4BR	20	50	30		GLACIAL											
575	740	513	3	0.25	CRBR	25	25	50													
576	760	513	3	0.3	CRBR	25	25	50													
577	780	513	3	0.25	CRBR	20	40	40													
50578	10800	513	3	0.55	BR	30	20	50													

Co of ...  
**GLUCIEMOUNT SAMPLE DATA SHEET**

Project : **BULGABACK** Material : **Soil Samples** Size Fraction Analysed : **-80"**  
 Locality : **BOCO** Sample Method : **Hand Shell Auger** Analysed By : **Analabs**  
 Grid Name : **BOCO GRID** Sampled By : **RC & GB** Method : **A.A.S.**  
 Nominal Grid Azimuth : **GRID NORTH 45° AMG** Date : **2/4/82**

SAMPLE NUMBER	Sample Location Data				Sample Composition Data						Geology	METAL CONTENT (ppm. unless specified)									
	Grid Line No	AMG CO-ORDINATES		DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic	Contam.		Cu	Pb	Zn	As	Au	Fe	Mn	Ag	Sn	W
	Grid Easting	NORTHING	EASTING																		
50579	10780E	53	3	0.40	G4BK	40	30	30													
580	760	53	3	0.30	G4BR	20	20	60													
581	740	53	3	0.20	C4BR	40	20	30	10												
582	720	53	3	0.70	BR	30	30	40													
583	10700	53	3	0.20	C4G4BR	20	60	20													
584	680	53	3	0.45	B4BK	15	15	70													
585	660	53	3	0.35	C4BR	55	20	15	10												
586	640	53	3	0.15	BR	35	30	25	10												
587	620	53	3	0.50	D4KCR	45		15	40												
588	10600	53	3	0.10	D4KBR	20	20	10	50												
589	580	53	3	0.09	C4BR	20		70	10												
590	560	53	3	0.15	D4KBR	30	20	40	10	POSSIB											
591	540	53	3	0.45	O4BR	40	35		52												
592	520	53	3	0.15	B4BRBKOR	50	20	20	10												
593	10500	53	3	0.40	O4RRDR	55		25	20												
594	480	53	3	0.20	BR	65	10	15	10												
595	10460	53	3	0.25	B4BRBK	25	25	40	10	ORAZIWA											

703026

# GEOCHEMICAL SAMPLE DATA SHEET

Project : **BULGARACK**      Material : Soil Samples      Size Fraction Analysed: **-80 $\mu$**   
 Locality : **BOCO**      Sample Method : **Hand Shell Auger**      Analysed By : **Analyte**  
 Grid Name : **BOCO GRID**      Sampled By : **BM + GB**      Method : **A.A.S.**  
 Nominal Grid Azimuth: **GRID NORTH 45 $^{\circ}$  AMG.**      Date : **22/4/82**

SAMPLE NUMBER	Sample Location Data				Sample Composition Data						Geology	METAL CONTENT (ppm. unless specified)									
	Grid Line No	AMG CO-ORDINATES		DEPTH	COLOUR	Clay	Sand	Rock Frag.	Organic	Contam.		Cu	Pb	Zn	As	Au	Fe	Mn	Ag	Sn	W
	Grid Easting	NORTHING	EASTING																		
50596	10460E	53	3	0.35	RR	80	15	S													
597	440	53	3	0.85	BROR	80	10														
598	420	53	3	0.25	BR	90	5	S													
599	10400	53	3	0.50	BRBL	70	10	S													
50600	390	53	3	0.30	BR	85	15														
51001	10360	53	3	0.50	BROR	80	10	S													
002	340	53	3	0.55	ORBR	45	25	30													
003	320	53	3	0.30	BR	25	25		50	BRORZ											
004	10300E	53	3	0.25	LTBR	80	5	S	10												
005	280	53	3	0.55	CRORBR	30	30	40													
006	260	53	3	0.50	BR	80	10	10													
007	240	53	3	0.35	BRGRY	50	20	30													
008	220	53	3	0.30	GRBR	70	15	S													
009	10200	53	3	0.25	BRGRY	40	10	50													
010	180	53	3	0.45	BRLTBR	70	10	20													
011	160	53	3	0.55	GRBR	40	20	40													
51012	9780E	53	3	0.50	DKBR	60	40														

# GEOCHEMICAL SAMPLE DATA SHEET

Project : **BULGARACK** Material : **Soil Samples** Size Fraction Analysed : **-80\***  
 Locality : **Boco** Sample Method : **Hand shell Auger** Analysed By : **Analabs**  
 Grid Name : **Boco GRID** Sampled By : **BM & GR** Method : **A.A.S.**  
 Nominal Grid Azimuth : **GRID NORTH U.S.° AMG...** Date : **22/11/82**

SAMPLE NUMBER	Sample Location Data				Sample Composition Data						Geology	METAL CONTENT (ppm. unless specified)										
	Grnd Line No	AMG CO-ORDINATES			DEPTH	COLOUR	Clay	Sand	Rock Frag.	Organic		Contam.	Cu	Pb	Zn	As	Au	Fe	Mn	Ag	Sn	W
	Grnd Easting	NORTHING	EASTING																			
51013	9740E	53	3		0.30	LTBR	95	5														
014	760	53	3		0.50	PLOR	90	5	S													
015	790	53	3		0.50	CRBR	64	4	3	3	0											
016	9800E	53	3		0.75	CRBR	75	15	1	0												
017	320	53	3		0.55	DR	85	5	1	0												
018	840	53	3		0.50	G4BR	50	20	3	0												
019	860	53	3		0.45	DKBR	50	10	4	0												
020	880	53	3		0.25	G4BR	30	25	4	0	S											
021	9900	53	3		0.45	BRCR	60	10	3	0												
022	10180E	53	3		0.55	DKBR	60	15	2	5												
023	10200E	53	3		0.55	BR	30	30	4	0												
024	220	53	3		0.50	BR	75	10	5	1	0											
025	240	53	3		0.45	ORRD	60	40														
026	260	53	3		0.30	ORTBR	20	10	5	5												
027	290	53	3		0.35	RLTBR	55	40	5													
028	10300E	53	3		0.10	BRCR	70	5	5	1	Obactor	Z										
029	320E	53	3		0.15	CRBR	30	20	4	0	0											
030	340	53	3		0.55	OR	80	10	1	0												
031	360	53	3		0.15	DRBR	20	20	6	0	60	60	ORZ									
032	380	53	3		0.35	BRCR	40	5	3	5	20	0	ABCHZ									
033	10400E	53	3		0.35	ORBR	70	30														
034	420	53	3		0.30	BR	85	5	1	0												
035	440	53	3		0.30	ORBR	65	30	5													
51036	10460E	53	3		0.10	DKBR	55	5	30	1	0	BH	ORZ									

# GEOCHEMICAL SAMPLE DATA SHEET

Project : **BULGA BACK**      Material : Soil Samples      Size Fraction Analysed : **-80\***  
 Locality : **Boco**      Sample Method : Hand Shovel Cuger      Analysed By : **Analabs**  
 Grid Name : **Boco GRID**      Sampled By : **GB + RC + DA**      Method : **A.A.S.**  
 Nominal Grid Azimuth : **GRID NORTH 45° AMG**      Date : **27/4/82**

SAMPLE NUMBER	Sample Location Data				Sample Composition Data						METAL CONTENT (ppm. unless specified)											
	Grid Line No	AMG CO-ORDINATES		DEPTH	COLOUR	Clay	Sand	Rock Frag.	Organic	Contam.	Geology	Cu	Pb	Zn	As	Au	Fe	Mn	Ag	Sn	W	
	Grid Easting	NORTHING	EASTING																			
51037	11400E	53	3	0.55	ORBRR	100																
038	380	53	3	0.30	CRBY	45	45	5	5													
039	360	53	3	0.15	GYBR	80	5	10	5													
040	340	53	3	0.45	CR	5	70	20	5													
041	320	53	3	0.30	GYBK	45	55	50	5													
042	11300E	53	3	0.45	DKGY	25	25	45	5													
043	280	53	3	0.30	GYBR	55	5	30	10													
044	260	53	3	0.45	GY	5	50	40	5													
045	240	53	3	0.15	ORGY	45	50	5	5													
046	220	53	3	0.35	GYBR	5	75	15	5													
047	11200	53	3	0.30	DKBR	10	45	45														
048	180	53	3	0.45	CRBR	50	45	5														
049	160	53	3	0.15	CRGY	65	5	30														
050	140	53	3	0.45	CRBR	5	70	20	5													
051	120	53	3	0.15	CRBR	55	25	20														
052	11100E	53	3	0.35	GYPK		80	20														
053	080	53	3	1.40	DKBR	100																
054	040	53	3	1.40	GNDKBR	50	50															
055	020	53	3	1.40	BR	45	45															
056	11000E	53	3	1.40	BR	65	25															
057	10980E	53	3	1.00	CRBR	50	50															
058	960	53	3	1.30	BR	50	30	20														
059	940	53	3	1.40	DKBR	80																
060	920	53	3	0.70	WHBR	30	40	30														
061	10900E	53	3	1.00	GY		80	20														
062	880	53	3	0.45	OR	100																
063	860	53	3	0.50	ORBR	100																
064	840	53	3	0.55	ORBR	80	10	10														
51065	10320	53	3	0.45	CRBR	55	45															

APPENDIX 2: Dipole-Dipole I.P. Pseud-Sections, Boco Grid



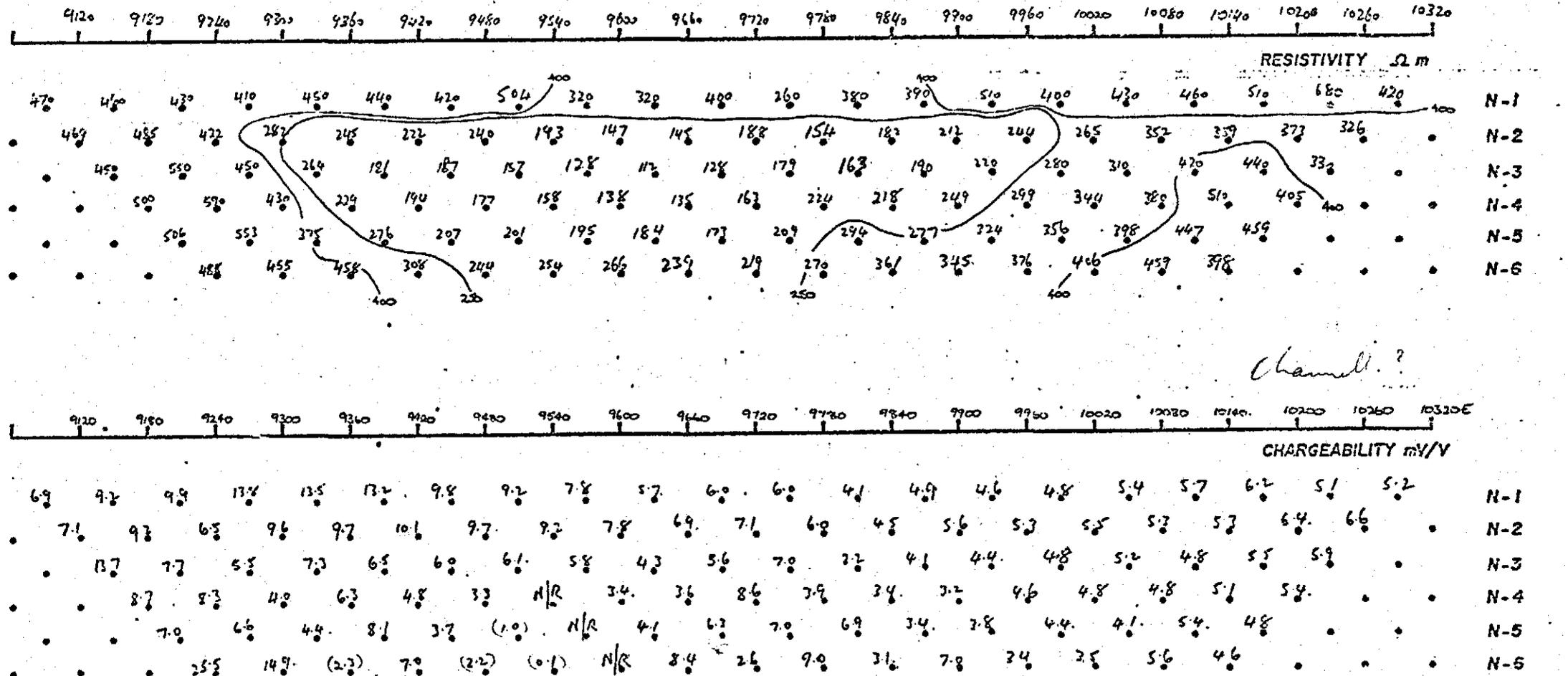
# INDUCED POLARIZATION AND RESISTIVITY SURVEY

703062

SURVEY BY : SCINTREX	PROSPECT : BOCO	DATE : 27-2-82
PLOTTED BY : P. LIST	LINE NO : 15160N	RECEIVER : 8107108 1 R / 1
CREW LEADER : J. DICKINSON	REF NO : TAS 094	PULSE : 2 second.

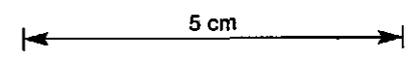
DIPOLE - DIPOLE SPACING = 60 METRES

SCALE = 1:5000



5 cm

703063

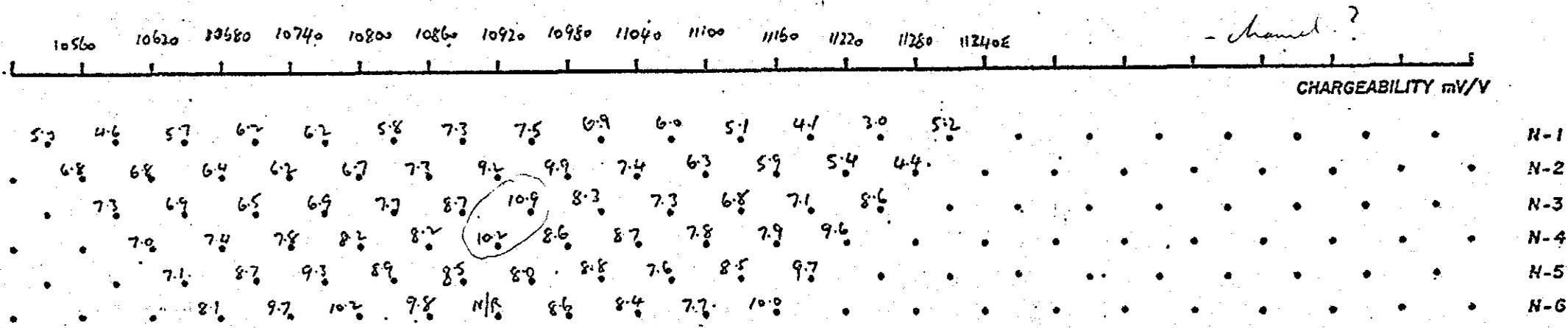
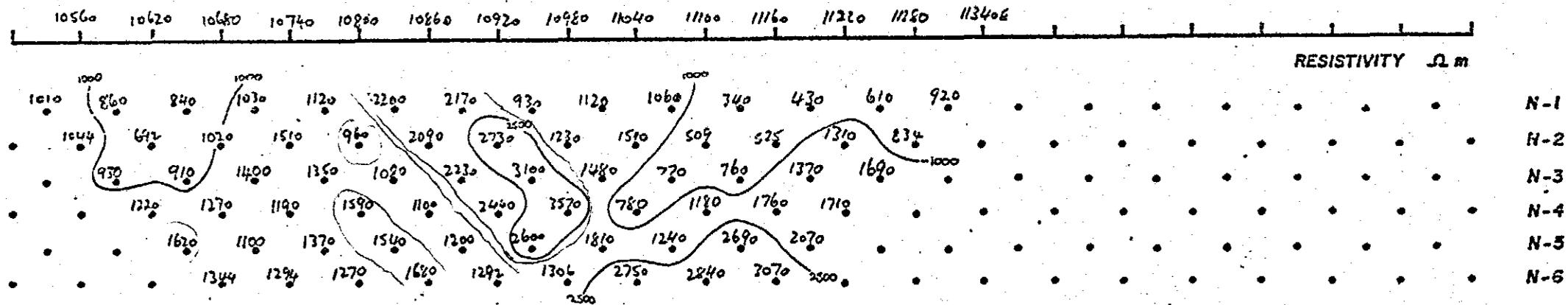


# INDUCED POLARIZATION AND RESISTIVITY SURVEY

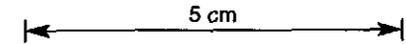
SURVEY BY : SCINTREX	PROSPECT : Roco	DATE : 28.2.82
PLOTTED BY : P. LIST	LINE NO : 15160N	RECEIVER : 8107108 JPR 11
CREW LEADER : J. DICKINSON	REF NO : TAS 094	PULSE : 2 second

DIPOLE - DIPOLE SPACING = 60 METRES

SCALE = 1:5000



703064

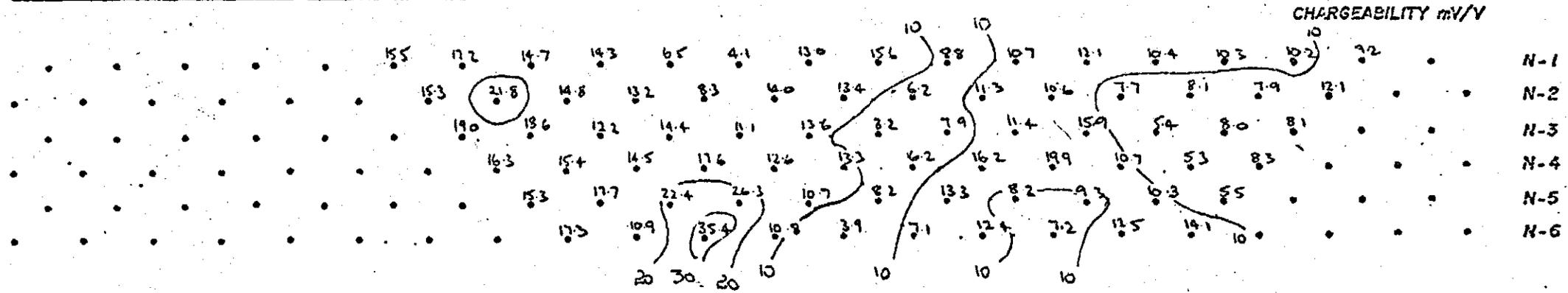
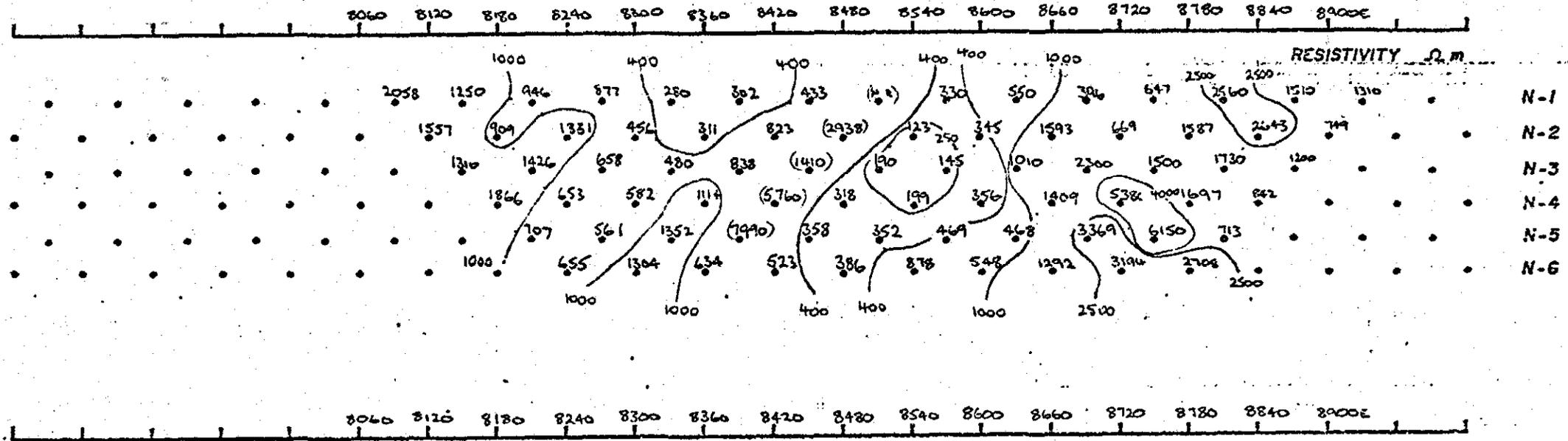


# INDUCED POLARIZATION AND RESISTIVITY SURVEY

SURVEY BY : SCINTREX P/L	PROSPECT : BOCO	DATE : (10-12)-2-82
PLOTTED BY : J DICKINSON	LINE NO : 14680N	RECEIVER : IPR-11 801102
CREW LEADER : J DICKINSON	REF NO : TAS 09A	PULSE : 2 second

DIPOLE - DIPOLE SPACING = 60 METRES

SCALE = 1:5000



# INDUCED POLARIZATION AND RESISTIVITY SURVEY

703065

SURVEY BY : SCINTREX P/L

PROSPECT : BOCO

DATE : (10-12)-2-82

PLOTTED BY : J DICKINSON

LINE NO : 14680N

RECEIVER : IPR-11 3011102

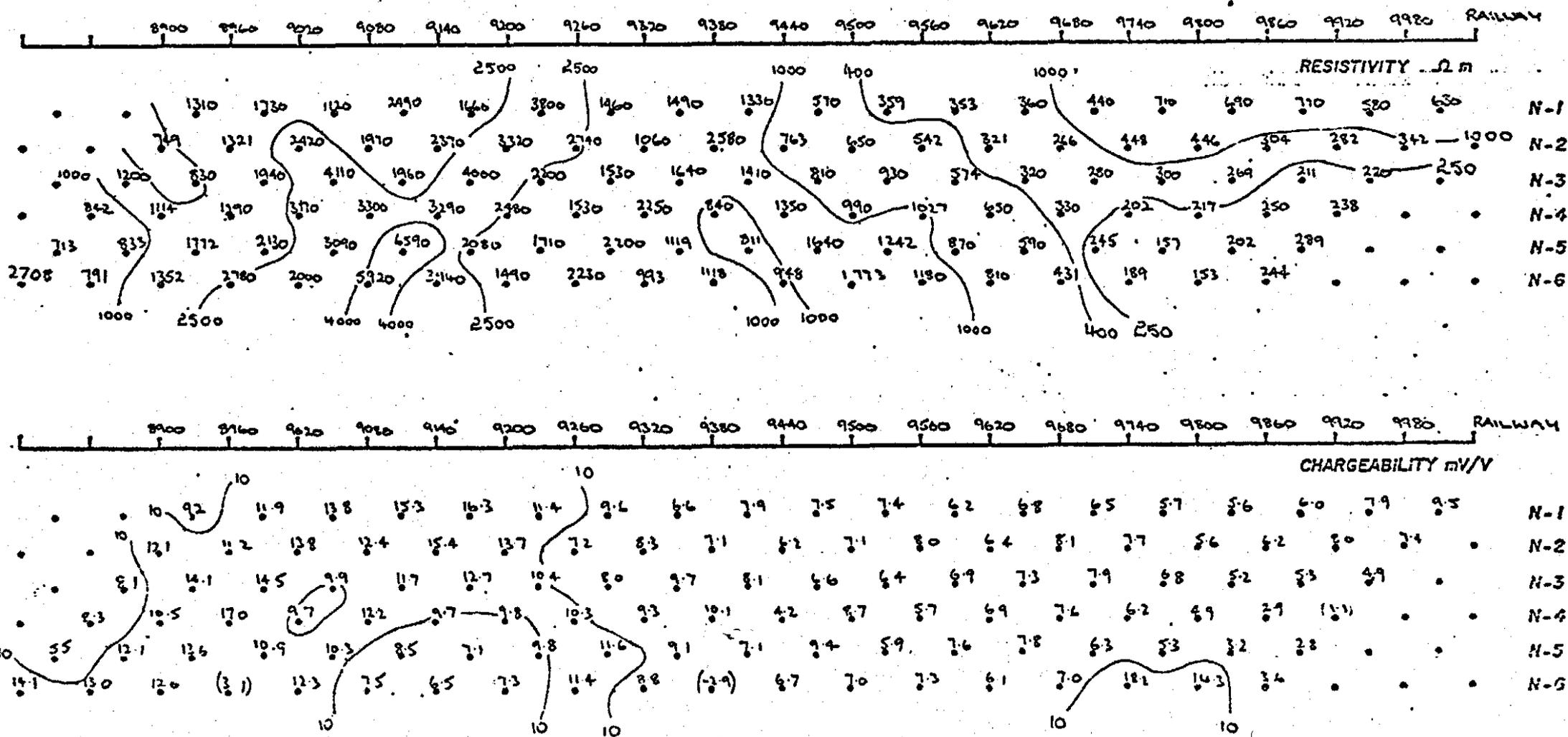
CREW LEADER : J DICKINSON

REF NO : TAS 094

PULSE : 2 second

DIPOLE - DIPOLE SPACING = 60 METRES

SCALE = 1:5000



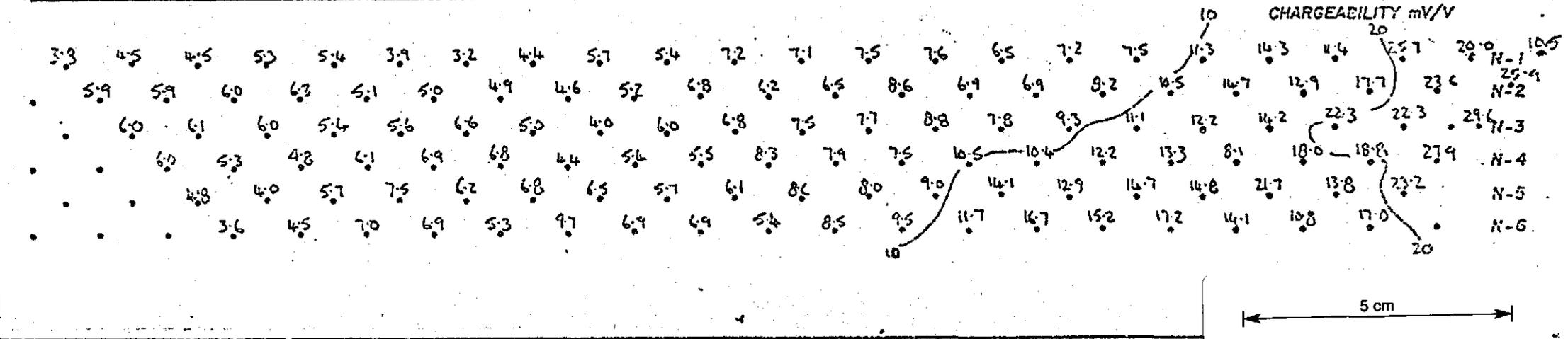
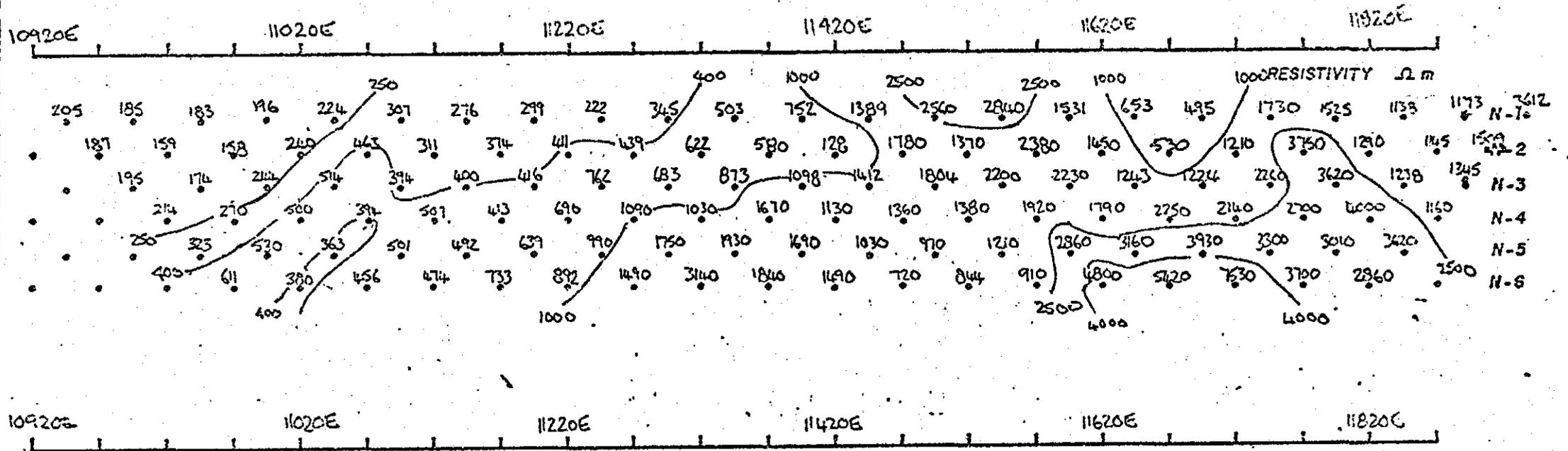
5 cm

# INDUCED POLARIZATION AND RESISTIVITY SURVEY

703066

SURVEY BY : SCINTREX	PROSPECT : BULGOBAC, BOCO GRID	DATE : 13-14-1-82
PLOTTED BY : PADDY DORNEY	LINE NO : 14520N	RECEIVER : (PR11 8011103
CREW LEADER : PADDY DORNEY	REF NO :	PULSE : 2 SECOND

DIPOLE - DIPOLE SPACING = ~~80~~ 50 METRES MS SLICE 6 SCALE = ~~1-5000~~



5 cm



# INDUCED POLARIZATION AND RESISTIVITY SURVEY

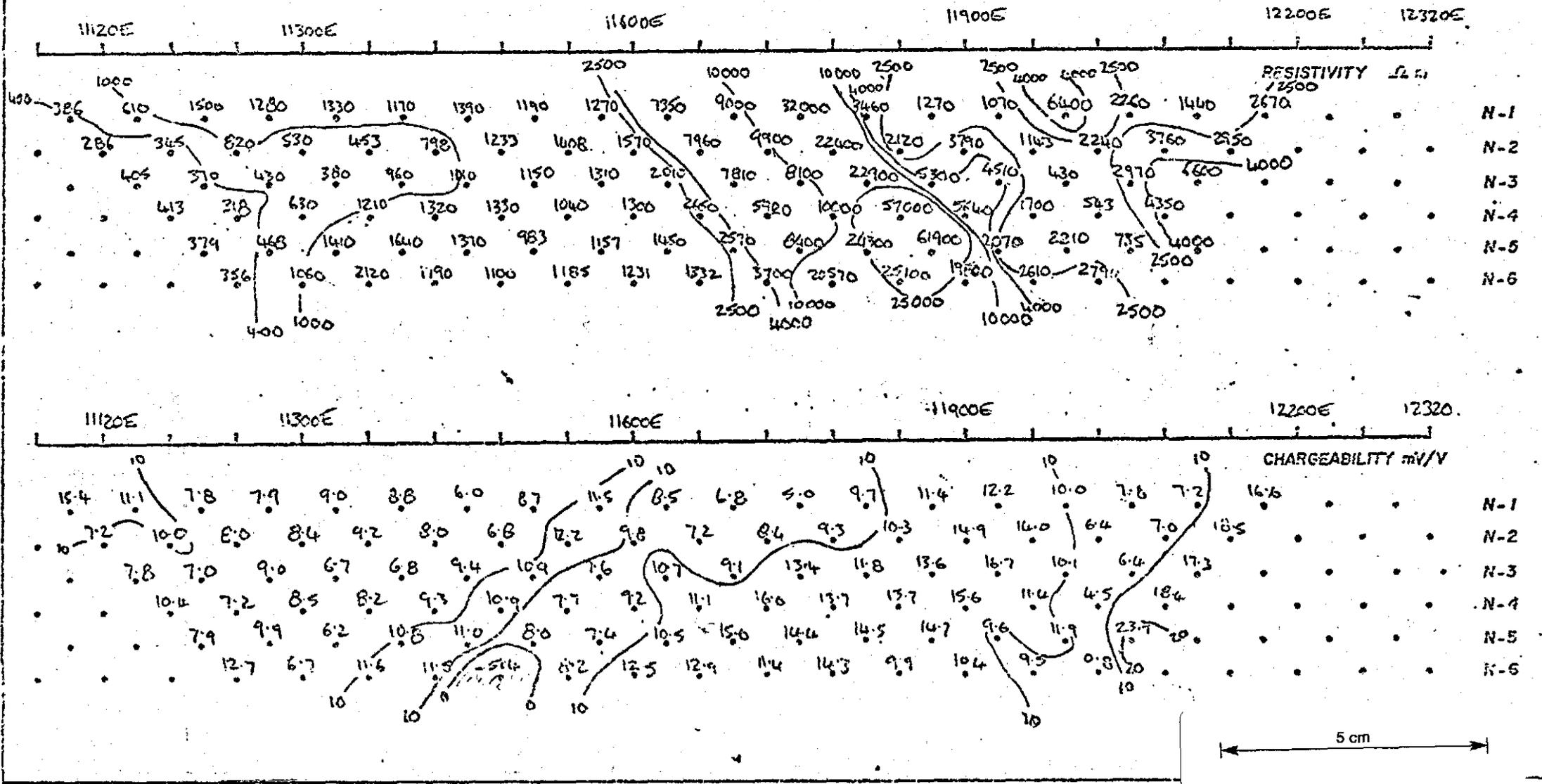
703068

SURVEY BY : SCINTRIX	PROSPECT : BULGOBAC	DATE : 20-21-182
PLOTTED BY : FADY DORNEY	LINE NO : -14200N	RECEIVER : 801103 IPR11
CREW LEADER : FADY DORNEY	REF NO :	PULSE : 2 SECOND

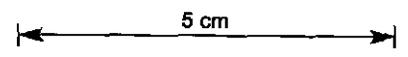
DIPOLE - DIPOLE SPACING = 60 METRES

SHEET 15.

SCALE = 1:5000



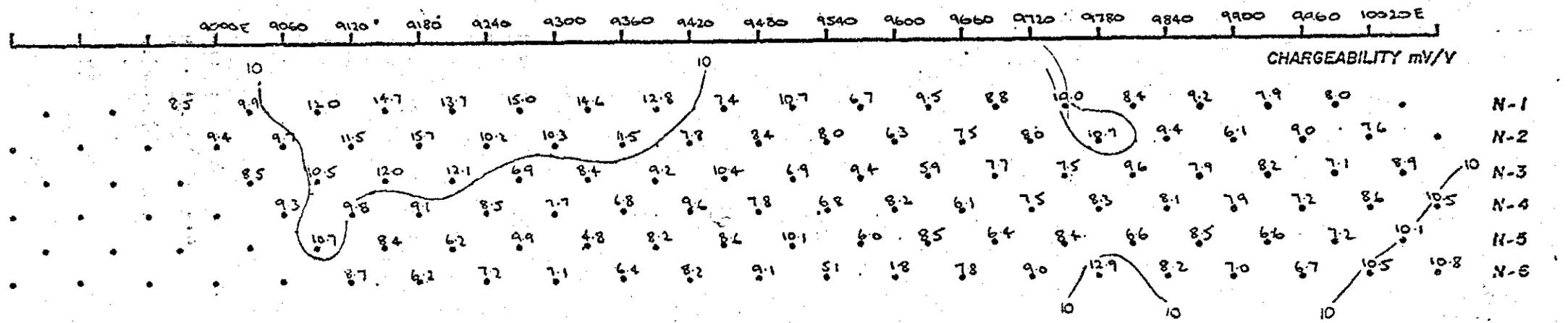
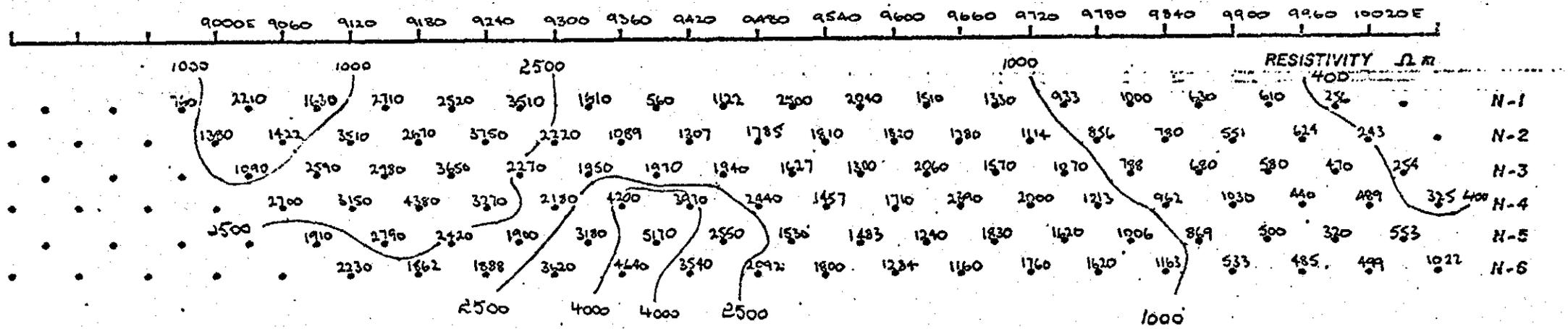
703069



# INDUCED POLARIZATION AND RESISTIVITY SURVEY

SURVEY BY : SCINTREX P/L	PROSPECT : BOCO GRID	DATE : (6-9) - 2 - 82
PLOTTED BY : J DICKINSON	LINE NO : 14040N	RECEIVER : IPR-11 8011102
CREW LEADER : J DICKINSON	REF NO : TAS 094	PULSE : 2 second

DIPOLE - DIPOLE SPACING = 60 METRES MA SLICE 6 SCALE = 1:5000



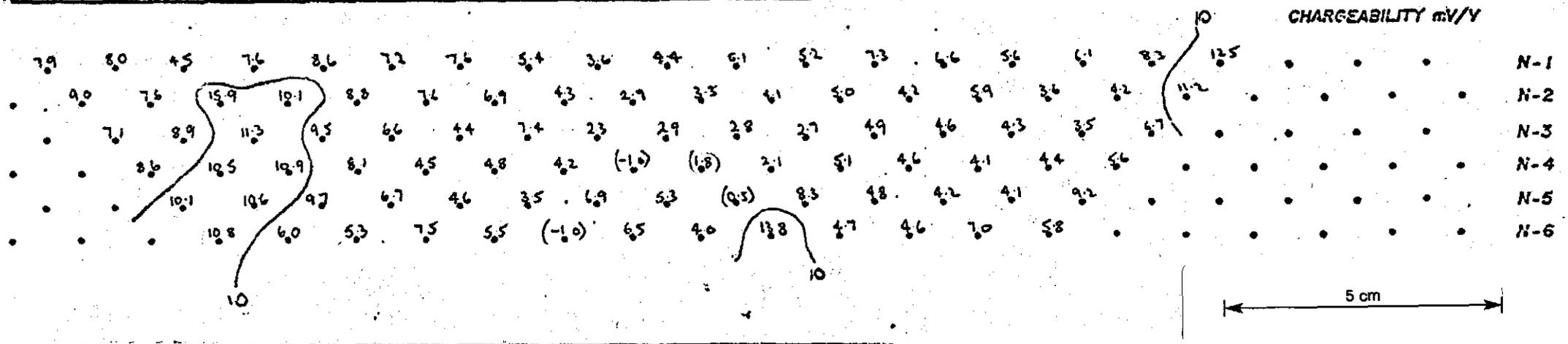
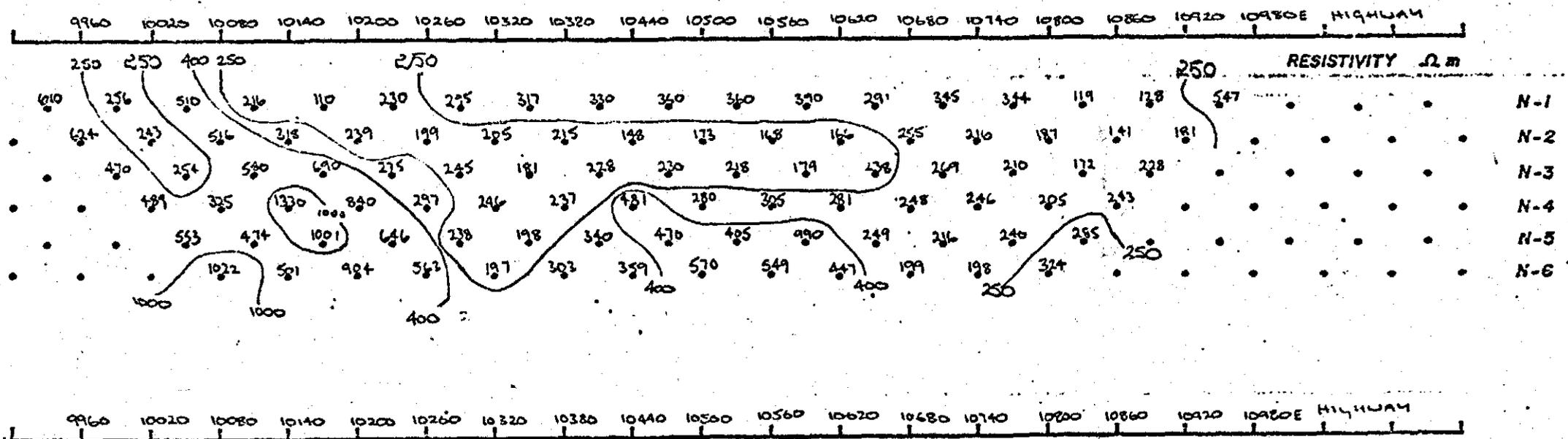
# INDUCED POLARIZATION AND RESISTIVITY SURVEY

703070

SURVEY BY : SCINTREX P/L	PROSPECT : BOCO GRID	DATE : (6-9) - 2 - 82
PLOTTED BY : J DICKINSON	LINE NO : 14040N	RECEIVER : IPR-11 801102
CREW LEADER : J DICKINSON	REF NO : TAS 094	PULSE : 2 second

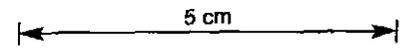
DIPOLE - DIPOLE SPACING = 60 METRES

SCALE = 1:5000



5 cm

703071

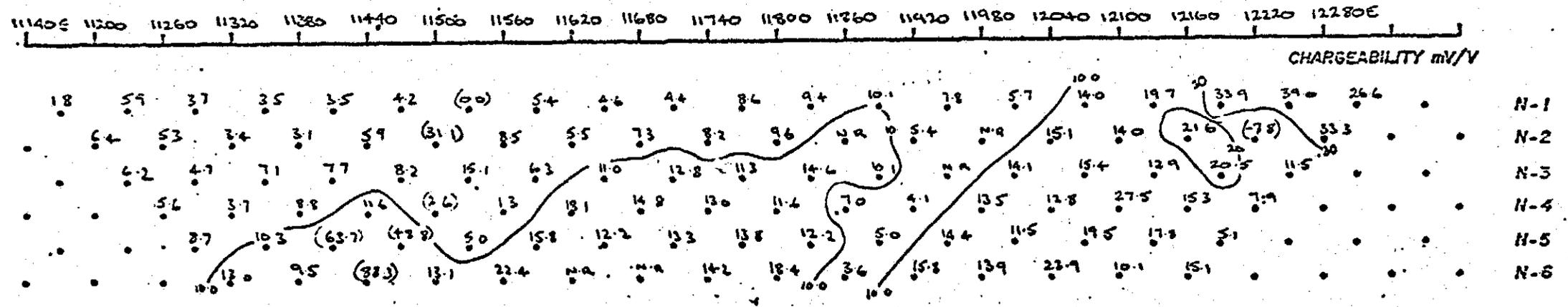
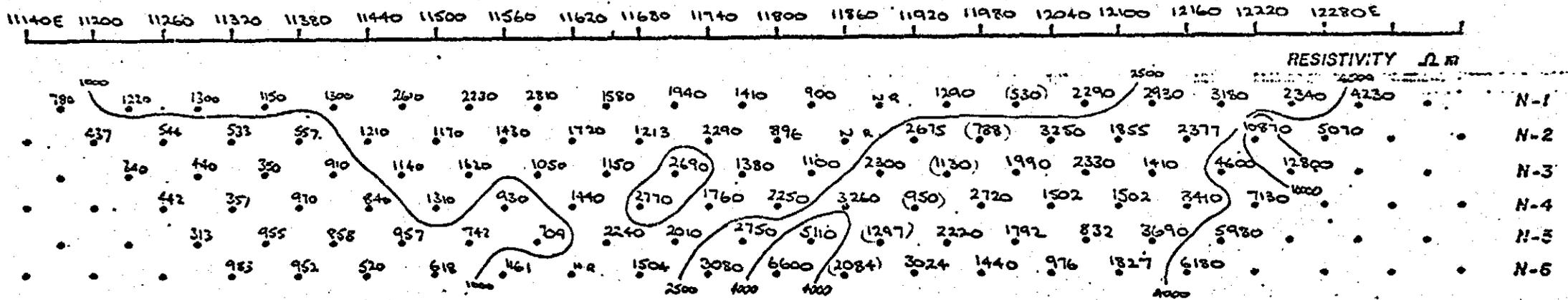


# INDUCED POLARIZATION AND RESISTIVITY SURVEY

SURVEY BY : SCINTREX P/L	PROSPECT : 8000	DATE : (23-24) - 1 - 82
PLOTTED BY : J DICKINSON	LINE NO : 1404N	RECEIVER : IPR - 11 801103
CREW LEADER : J DICKINSON	REF NO : TAS 094	PULSE : 2 second

DIPOLE - DIPOLE SPACING = 60 METRES

SCALE = 1:5000



703072

5 cm

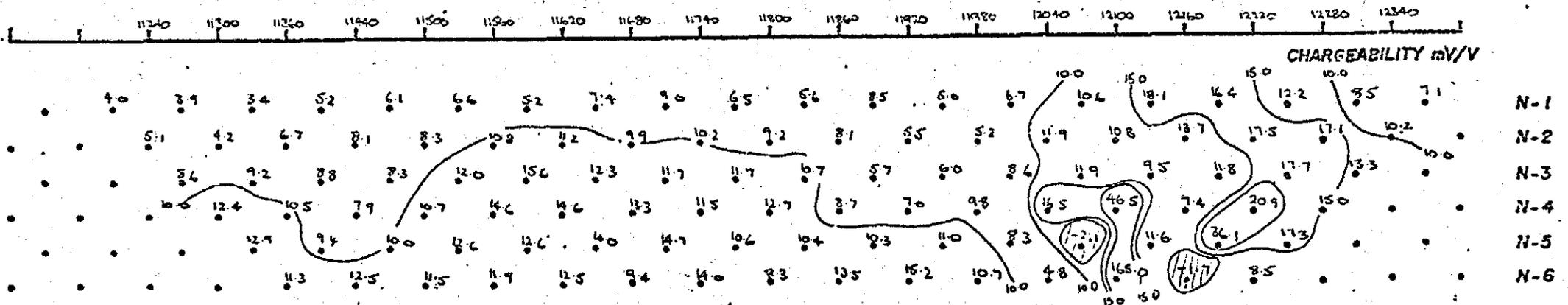
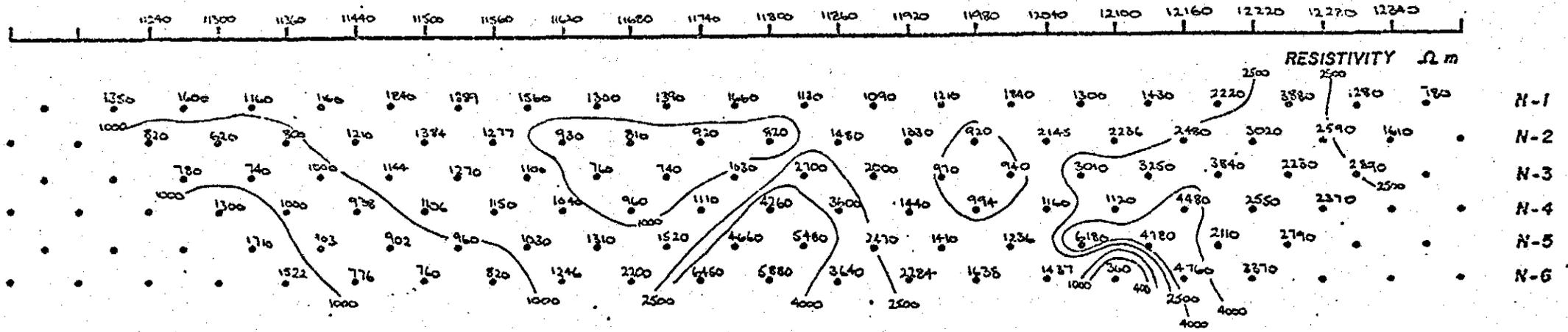
# INDUCED POLARIZATION AND RESISTIVITY SURVEY

SURVEY BY : SCINTREX PL	PROSPECT : BOCO	DATE : (4-5)-3-82
PLOTTED BY : J DICKINSON	LINE NO : 13880N	RECEIVER : 8107108
CREW LEADER : J DICKINSON	REF NO : TAS 094	PULSE : 2 second

DIPOLE - DIPOLE SPACING = 60 METRES

(M<sub>6</sub> SLICE 7)

SCALE = 1:5000



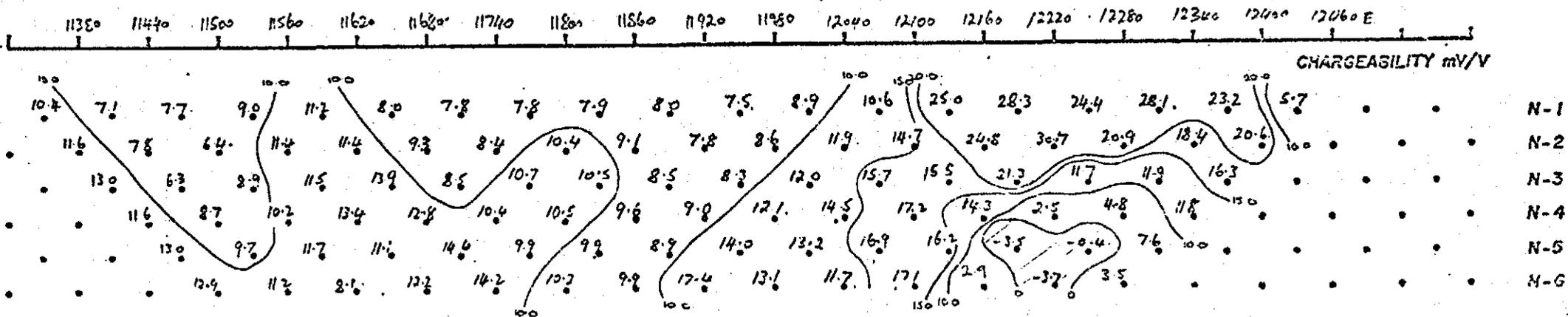
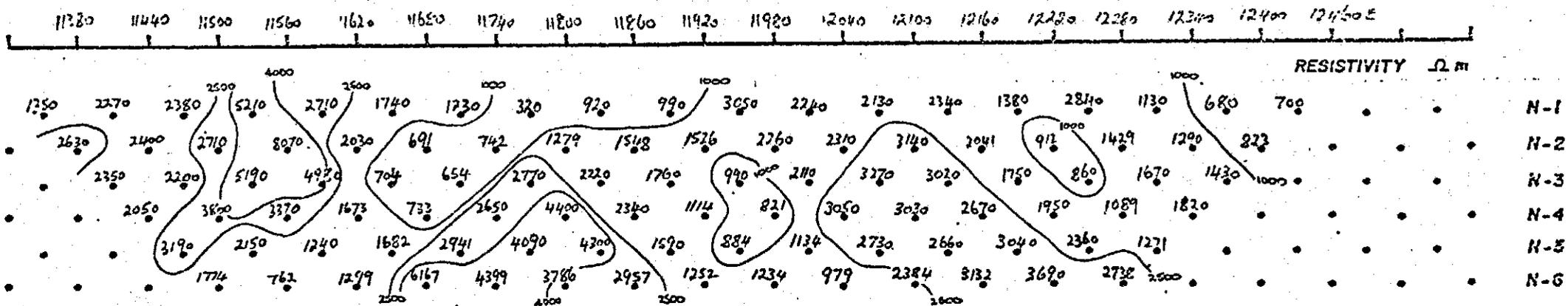
# INDUCED POLARIZATION AND RESISTIVITY SURVEY

703073

SURVEY BY : SCINTREX.	PROSPECT : BOCO BULGUBAC	DATE : 3/4-3-82
PLOTTED BY : R. LIST	LINE NO : 13580N	RECEIVER : 8107108
CREW LEADER : P. DICKINSON.	REF NO : T15 094	PULSE : 2 SECS.

DIPOLE - DIPOLE SPACING = 60 METRES

SCALE = 1:5000 E.



5 cm

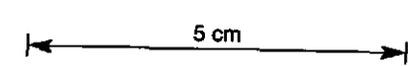
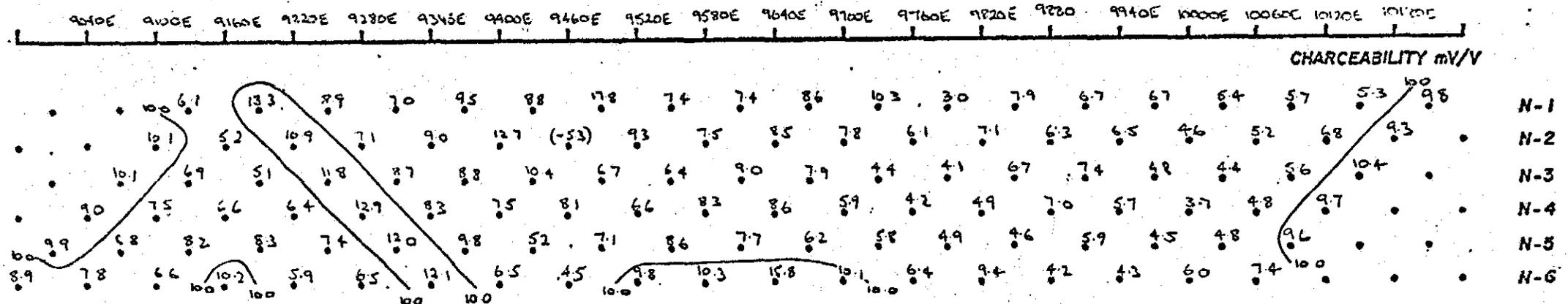
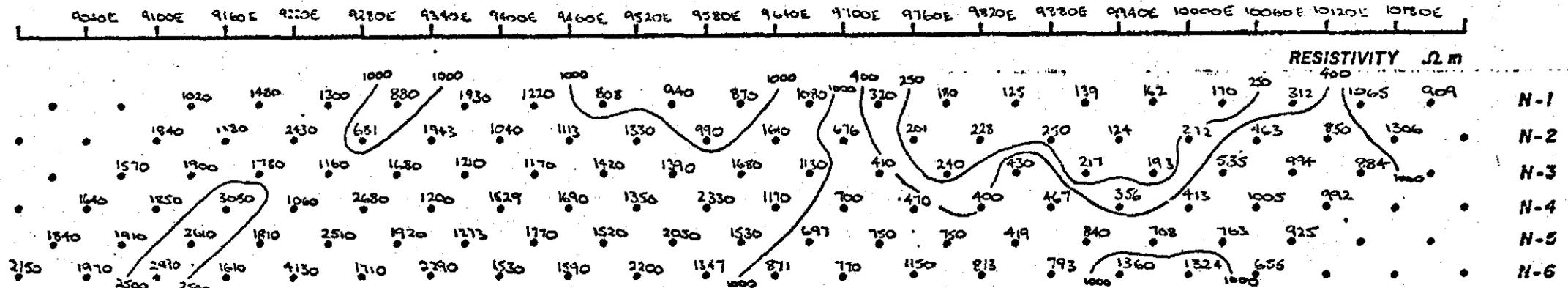
# INDUCED POLARIZATION AND RESISTIVITY SURVEY

703074

SURVEY BY : SCINTREX P/L	PROSPECT : 2000 GRID	DATE : (3-5)-2-82
PLOTTED BY : J DICKINSON	LINE NO : 13580N	RECEIVER : IPR-11 201102
CREW LEADER : J DICKINSON	REF NO : T45 011	PULSE : 2 second

DIPOLE - DIPOLE SPACING = 60 METRES

SCALE = 1:5000



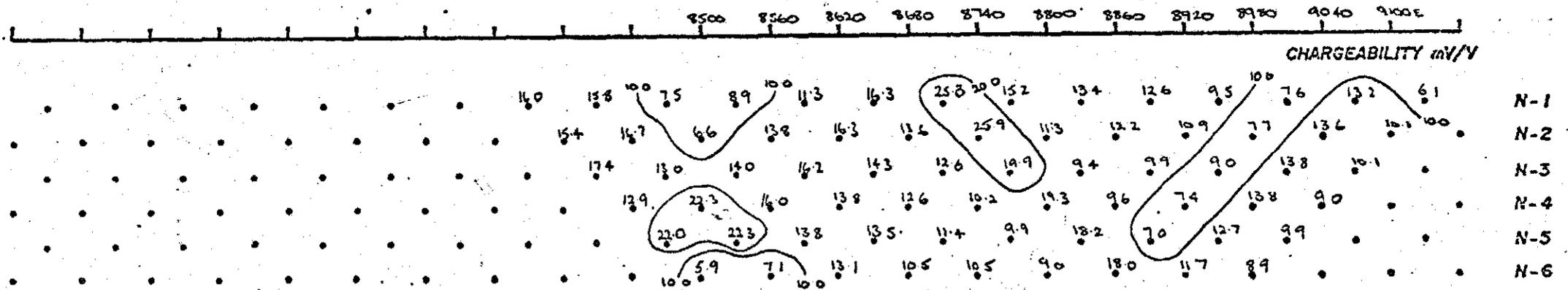
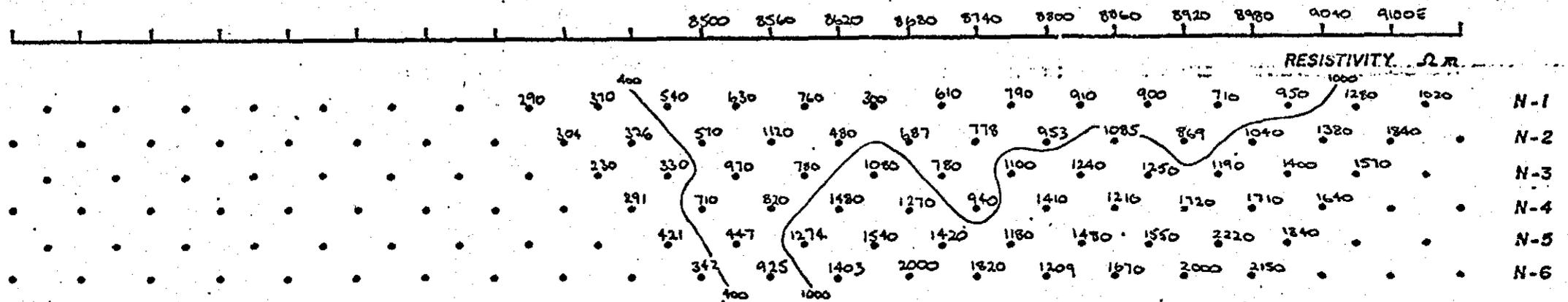
# INDUCED POLARIZATION AND RESISTIVITY SURVEY

703075

SURVEY BY : SCINTREX P/L	PROSPECT : BOLO GRID	DATE : (3-6)-2-82
PLOTTED BY : J DICKINSON	LINE NO : 13580N	RECEIVER : 801102
CREW LEADER : J DICKINSON	REF NO : TAS 094	PULSE : 2 SECOND

DIPOLE - DIPOLE SPACING = 60 METRES

SCALE = 1:5000



5 cm

# INDUCED POLARIZATION AND RESISTIVITY SURVEY

703076

SURVEY BY : SCINTREX

PROSPECT : BOCO

DATE : (9-12)-3-82

PLOTTED BY : J DICKINSON

LINE NO : 129204

RECEIVER : IPR-11 8107102

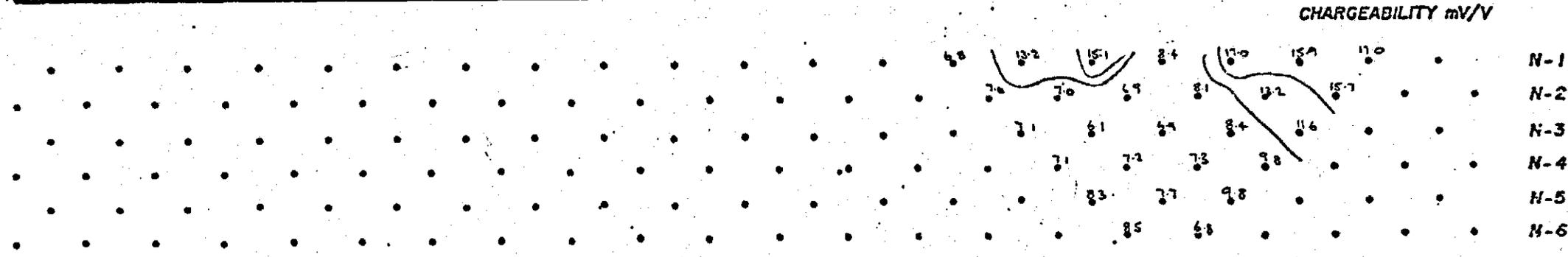
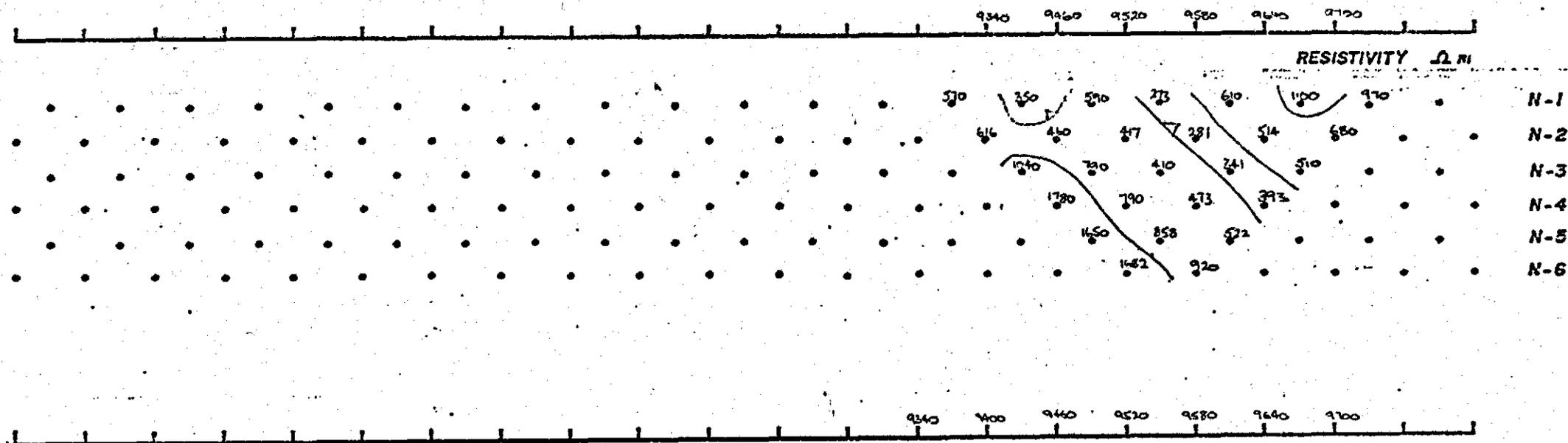
CREW LEADER : J DICKINSON

REF NO : TAS-094

PULSE : 2 SECONDS

DIPOLE - DIPOLE SPACING = 60 METRES

SCALE = 1:5000



5 cm

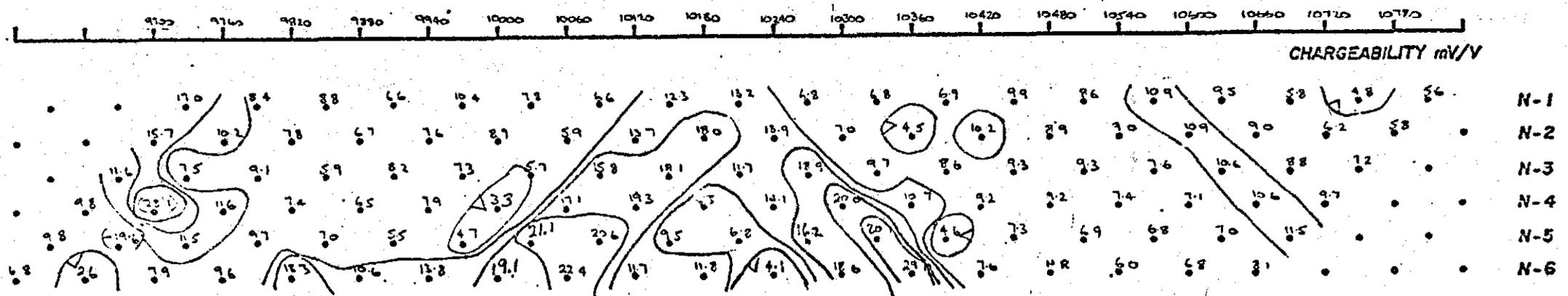
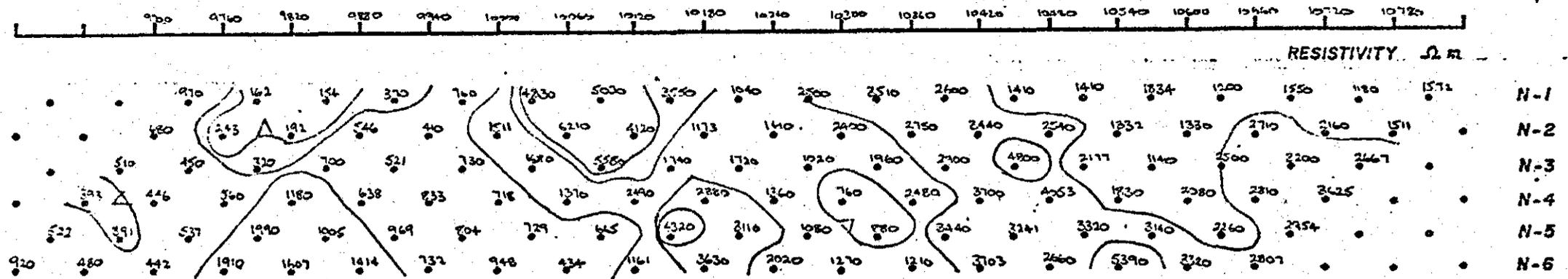
# INDUCED POLARIZATION AND RESISTIVITY SURVEY

703077

SURVEY BY : SCINTREX	PROSPECT : BOCO	DATE : (9-12)-3-22
PLOTTED BY : J DICKINSON	LINE NO : 12920N	RECEIVER : IPR-11 2107102
CREW LEADER : J DICKINSON	REF NO : TAS-094	PULSE : 2 SECOND

DIPOLE - DIPOLE SPACING = 60 METRES

SCALE = 1 : 5000



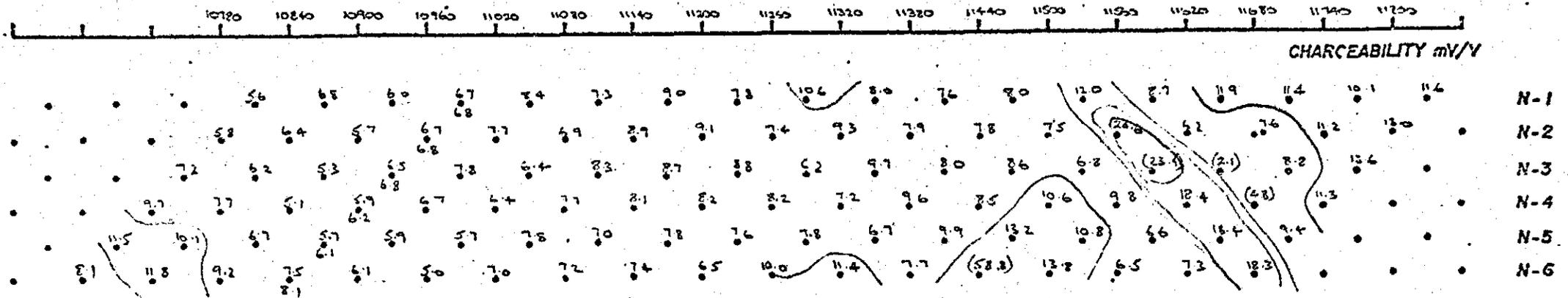
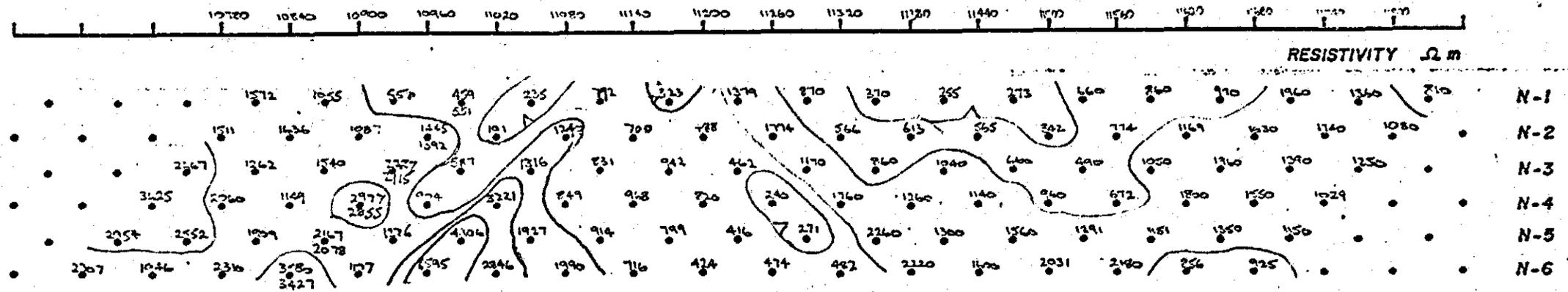
# INDUCED POLARIZATION AND RESISTIVITY SURVEY

703078

SURVEY BY : <i>CONSTREX</i>	PROSPECT : <i>ESCO</i>	DATE : <i>(9-12)-3-82</i>
PLOTTED BY : <i>J DICKINSON</i>	LINE NO : <i>1290N</i>	RECEIVER : <i>10R-11 2107102</i>
CREW LEADER : <i>J DICKINSON</i>	REF NO : <i>TAG-034</i>	PULSE : <i>2 SECOND</i>

DIPOLE - DIPOLE SPACING = 60 METRES

SCALE = 1:5000



5 cm

# INDUCED POLARIZATION AND RESISTIVITY SURVEY

5 cm

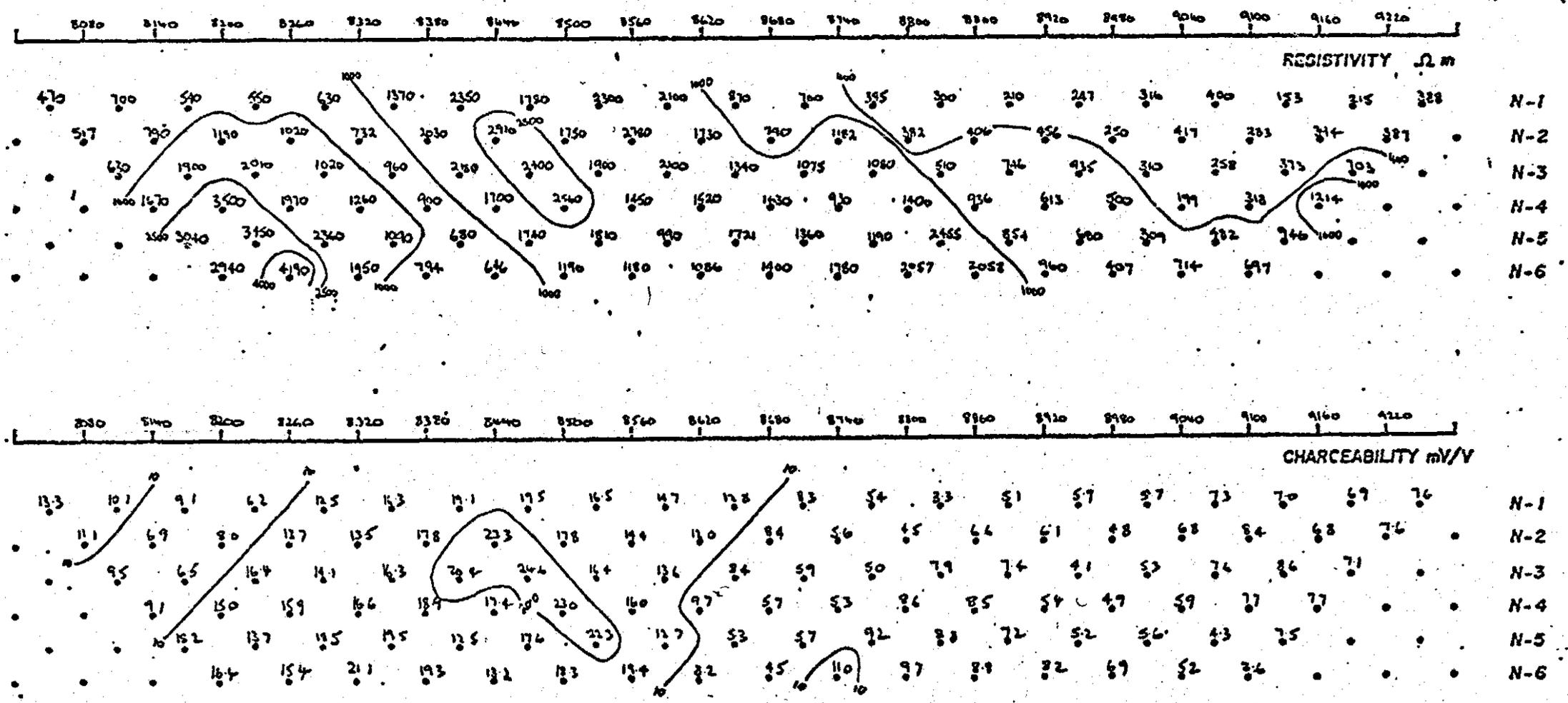
703079

SURVEY BY : SCINTREX	PROSPECT : Roco	DATE : (19-21) - 4 - 82
PLOTTED BY : J DICKINSON	LINE NO : 12280 N	RECEIVER : 8107108
CREW LEADER : J DICKINSON	REF NO : TAS-094	PULSE : 2 SECONDS

DIPOLE - DIPOLE SPACING = 60 METRES

M<sub>6</sub> SLICE 7.

SCALE = 1:5000







# INDUCED POLARIZATION AND RESISTIVITY SURVEY

703082

SURVEY BY : SCINTREX

PROSPECT : 8000

DATE : (13-14)-3-82

PLOTTED BY : J DICKINSON

LINE NO : 11780N

RECEIVER : PR-11 8107107

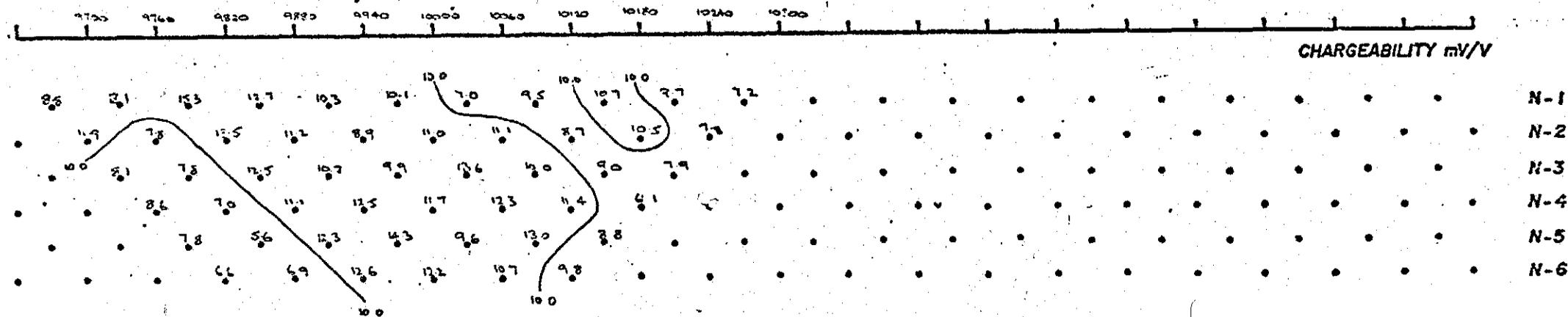
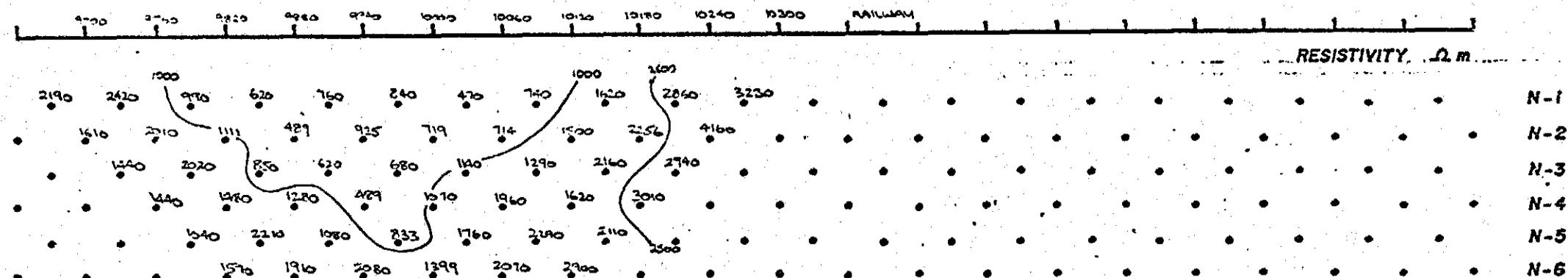
CREW LEADER : J DICKINSON

REF NO : TNS-094

PULSE : 2 second

DIPOLE - DIPOLE SPACING = 60 METRES

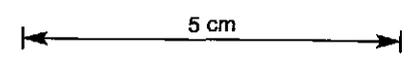
SCALE = 1:5000



5 cm



703084

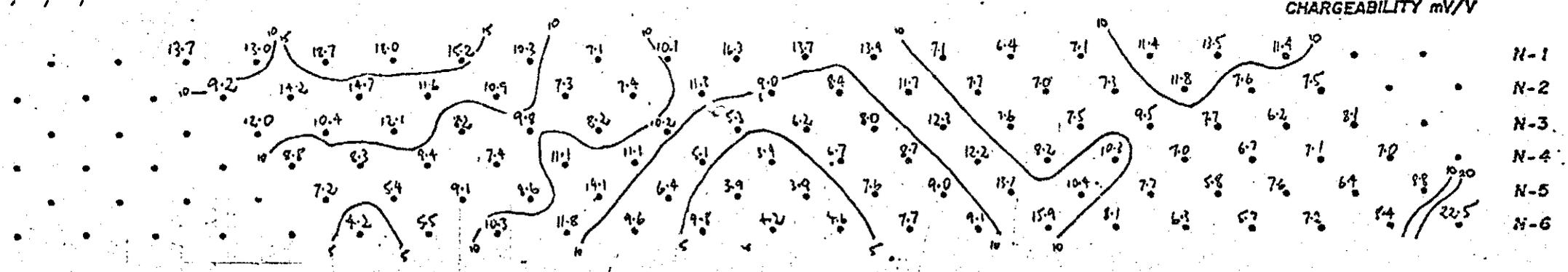
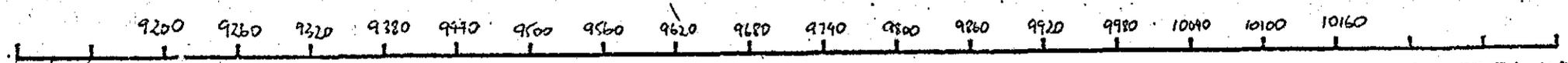
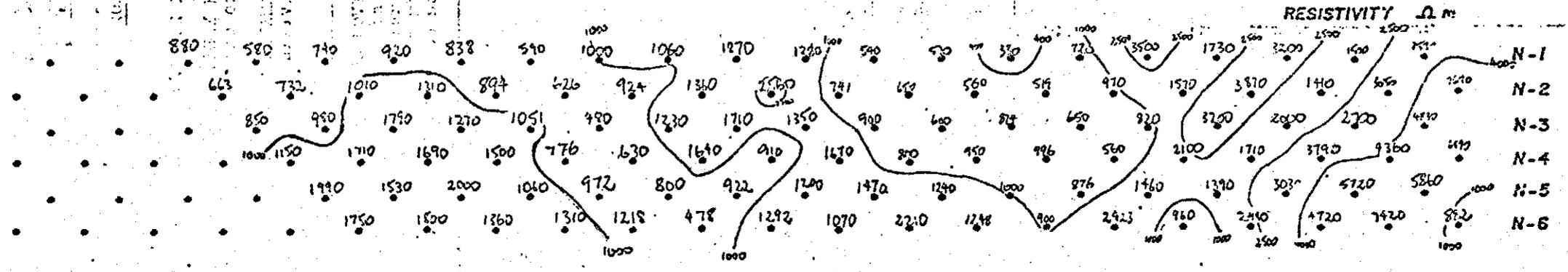
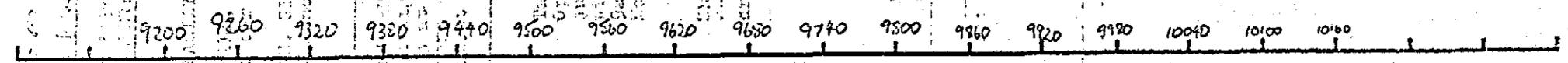


# INDUCED POLARIZATION AND RESISTIVITY SURVEY

SURVEY BY : SCINTREX	PROSPECT : BOCO	DATE : (30-31)-3-82
PLOTTED BY : M.W. TANNER	LINE NO : 115 00 N	RECEIVER : 1PR-11 2107108
CREW LEADER : J. DICKINSON	REF NO : TAS-094	PULSE : 2 SECONDS

DIPOLE - DIPOLE SPACING = 60 METRES

SCALE = 1:5000



N-1  
N-2  
N-3  
N-4  
N-5  
N-6

703085

5 cm

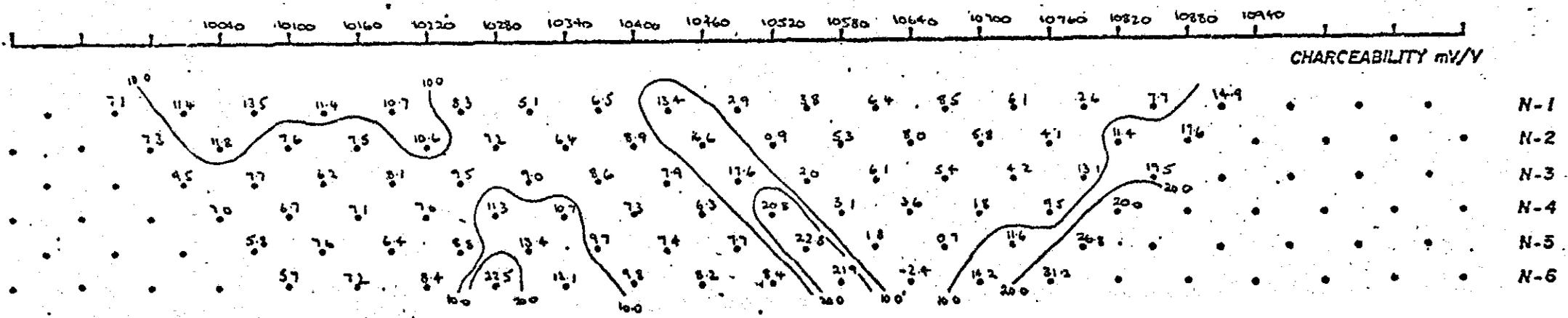
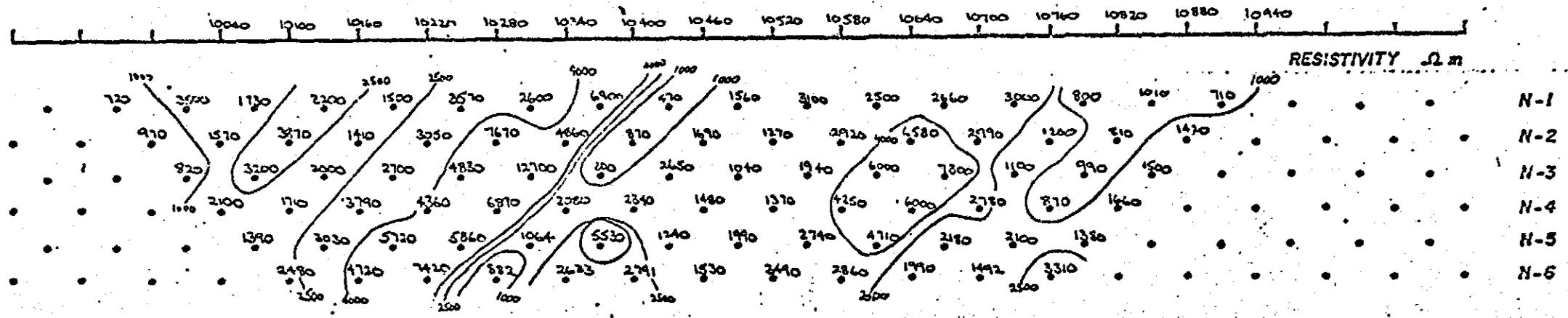
# INDUCED POLARIZATION AND RESISTIVITY SURVEY

SURVEY BY : SCINTREX	PROSPECT : BOCO	DATE : (30+31)-3-82 + 18-4-82
PLOTTED BY : J DICKINSON	LINE NO : 11500N	RECEIVER : 8107108
CREW LEADER : J DICKINSON	REF NO : TAS-094	PULSE : 2 SECONDS

DIPOLE - DIPOLE SPACING = 60 METRES

M<sub>6</sub> SLICE 7.

SCALE = 1:5000



# INDUCED POLARIZATION AND RESISTIVITY SURVEY

703086

SURVEY BY : SCINTREX PTY LTD

PROSPECT : BOCO DULGOBAC

DATE : (29,30) - 3 - 1982

PLOTTED BY : EDDY TRESLER

LINE NO : 11400 N

RECEIVER : 1PR-11

CREW LEADER : J. DICKINSON

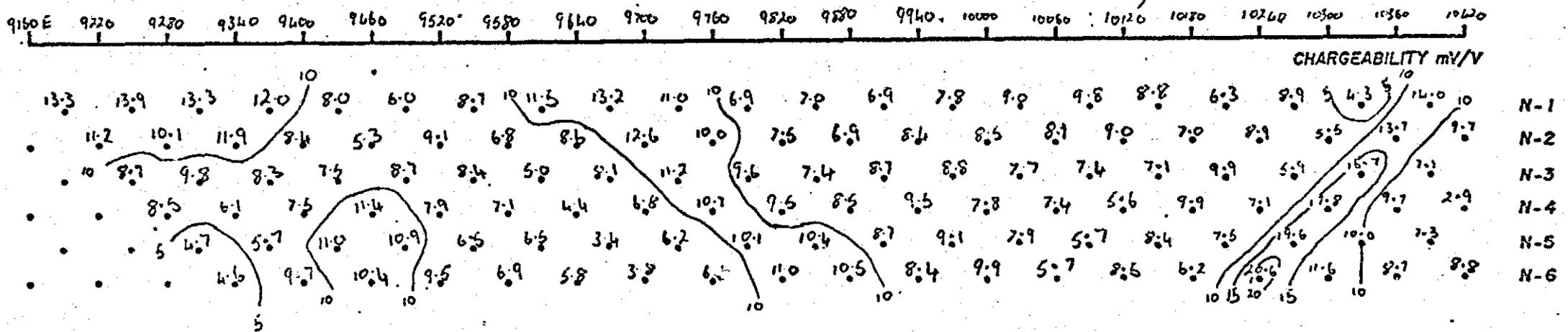
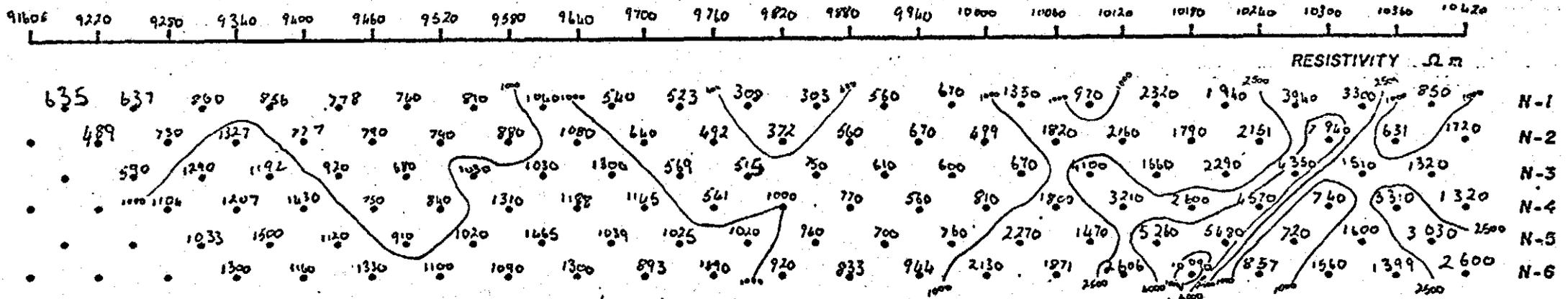
REF NO : TAS 094

PULSE : 2 Seconds

DIPOLE - DIPOLE SPACING = 60 METRES

ML SLICE 7

SCALE = 1:5000



5 cm

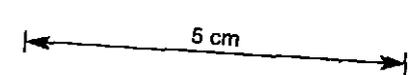
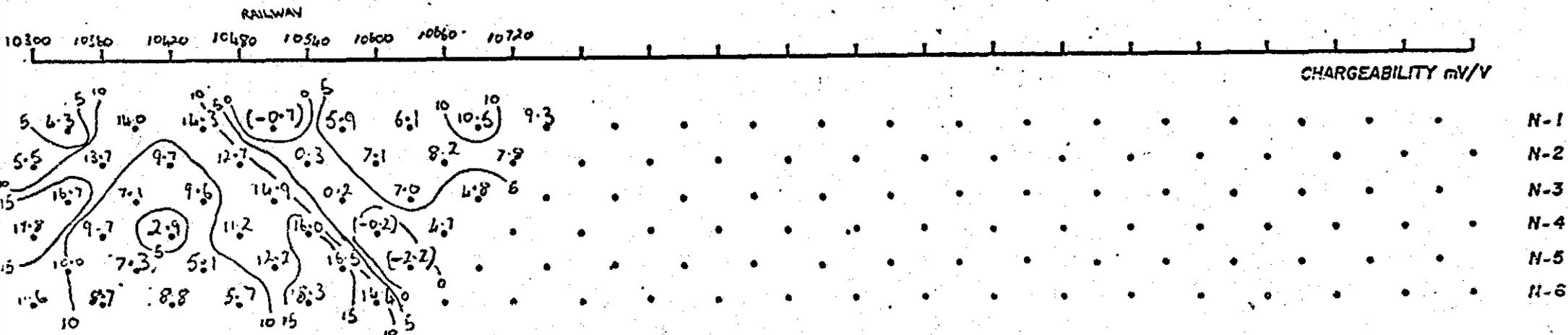
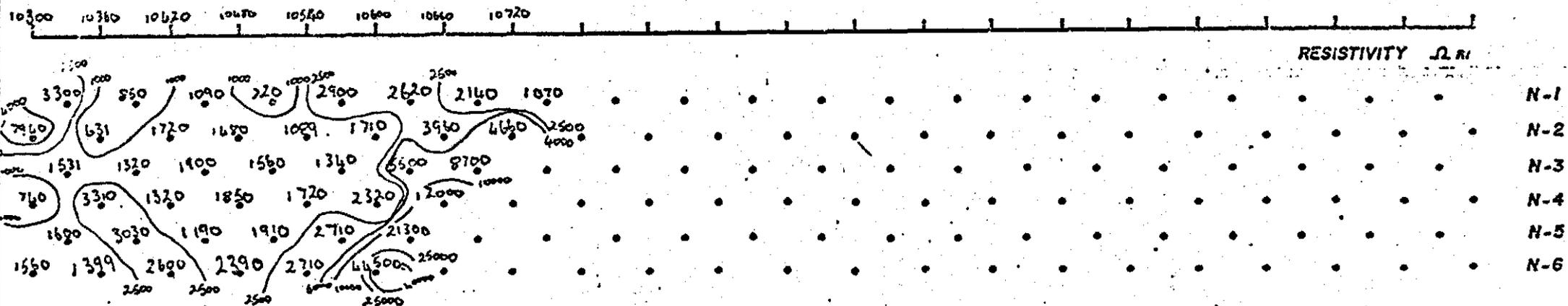
# INDUCED POLARIZATION AND RESISTIVITY SURVEY

703087

SURVEY BY : SCINTRAX Pty LTD	PROSPECT : Boca Bumbobac	DATE : (29-30)-3-1982
PLOTTED BY : EDDY TRESLER	LINE NO : 11400 N	RECEIVER : IPR-11
CREW LEADER : J. DICKINSON	REF NO : TAS 094	PULSE : 2 Seconds

DIPOLE - DIPOLE SPACING = 60 METRES

SCALE = 1:5000



# INDUCED POLARIZATION AND RESISTIVITY SURVEY

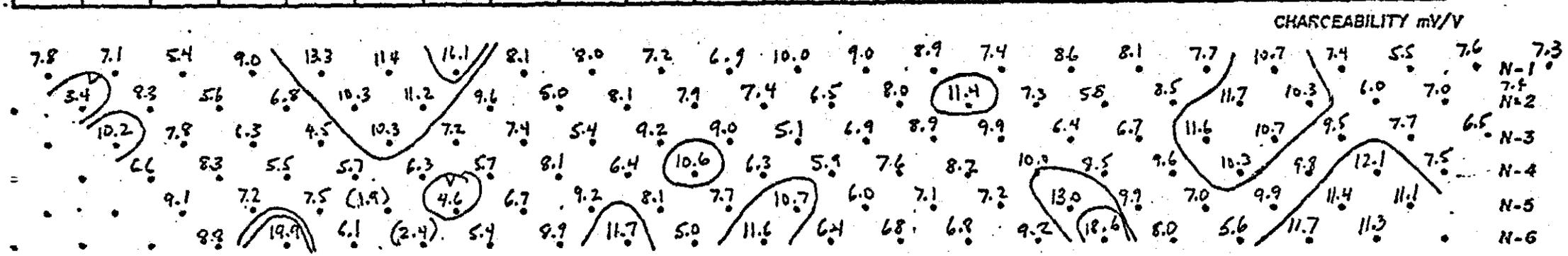
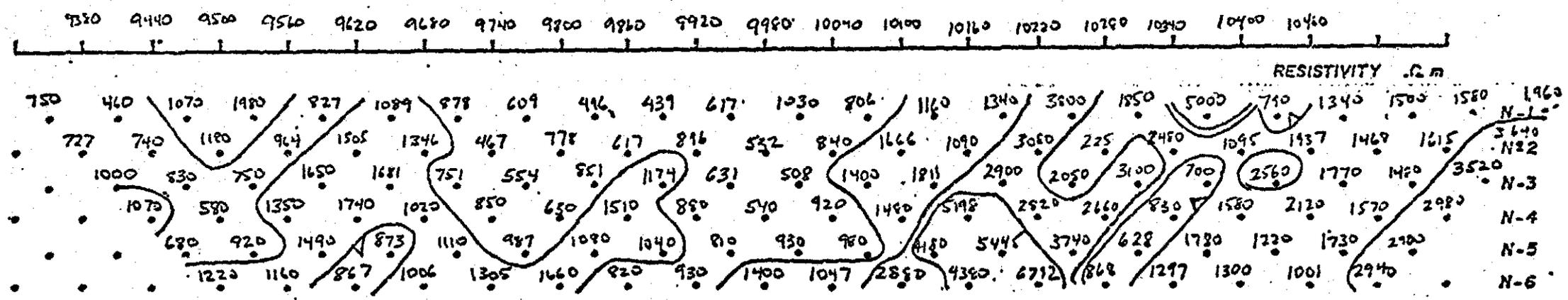
703088

SURVEY BY : SCINTREX PLY LTD.	PROSPECT : BOCO	DATE : MARCH 1982
PLOTTED BY : SCOTT GIBBONS	LINE NO : 11,300N	RECEIVER : IFR-11
CREW LEADER : JOHN DICKINSON	REF NO : TAS 094	PULSE : 0 SECONDS

DIPOLE - DIPOLE SPACING = 60 METRES

M<sub>u</sub> SLICE - 1

SCALE = 1:5000



# INDUCED POLARIZATION AND RESISTIVITY SURVEY

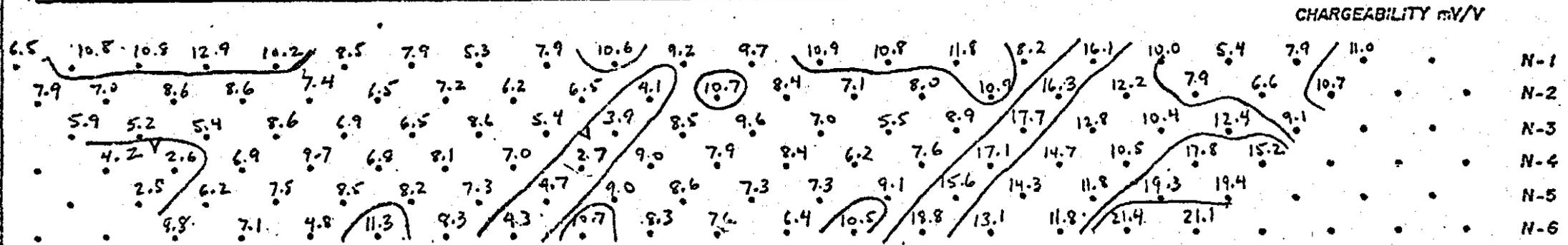
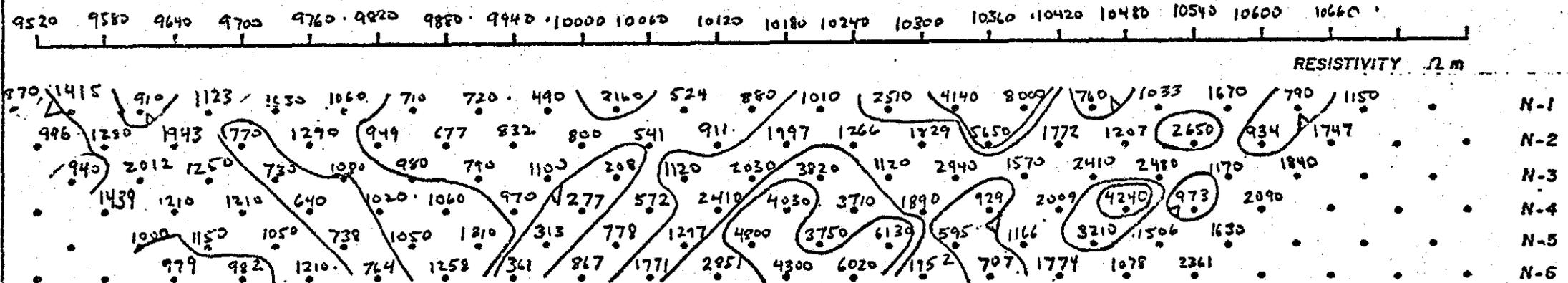
703089

SURVEY BY : SCINTREX PTY. LTD	PROSPECT : Boco	DATE : MARCH 22, 1982
PLOTTED BY : SCOTT GIBBONS	LINE NO : 11,200 N	RECEIVER : IPB-11
CREW LEADER : JOHN DICKINSON	REF NO : TAS 094	PULSE : 2 SECONDS

DIPOLE - DIPOLE SPACING = 60 METRES

M<sub>0</sub> SLICE 7

SCALE = 1:5000



5 cm

# INDUCED POLARIZATION AND RESISTIVITY SURVEY

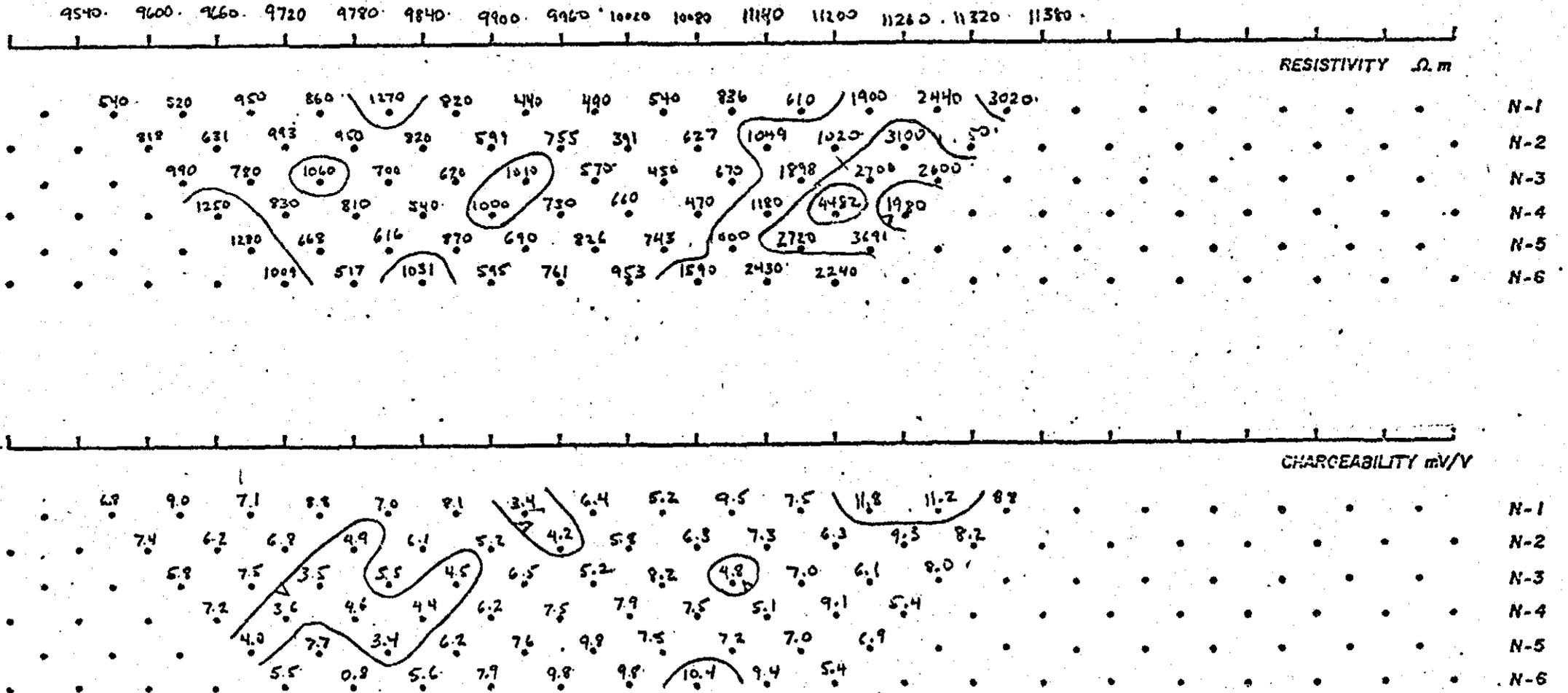
703090

SURVEY BY : SCINTREX PTY LTD	PROSPECT : Boco	DATE : MARCH 18/19, 1982
PLOTTED BY : SCOTT GIBBONS	LINE NO : 11100N	RECEIVER : 8107108 IPR-11
CREW LEADER : JOHN RICKINSON	REF NO : TAS 094	PULSE : 2 seconds

DIPOLE - DIPOLE SPACING = 60 METRES

M6 SLICE 7

SCALE = 1:5000



5 cm

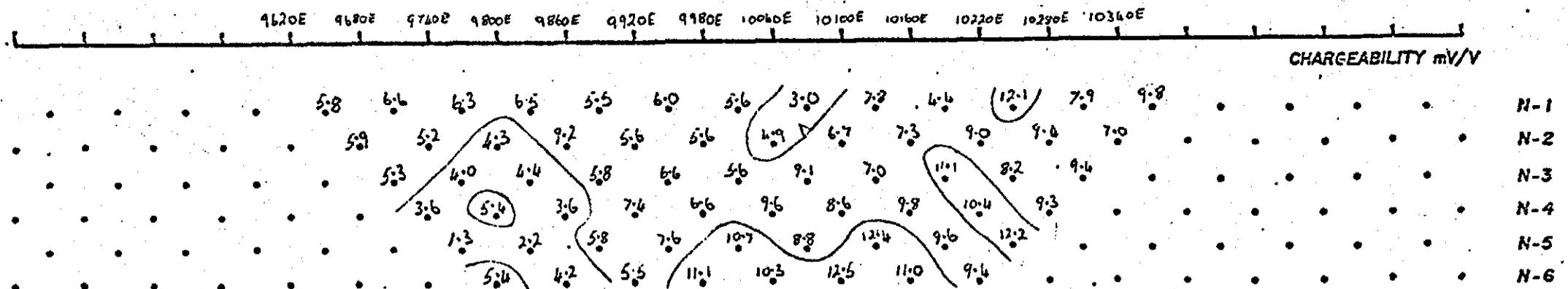
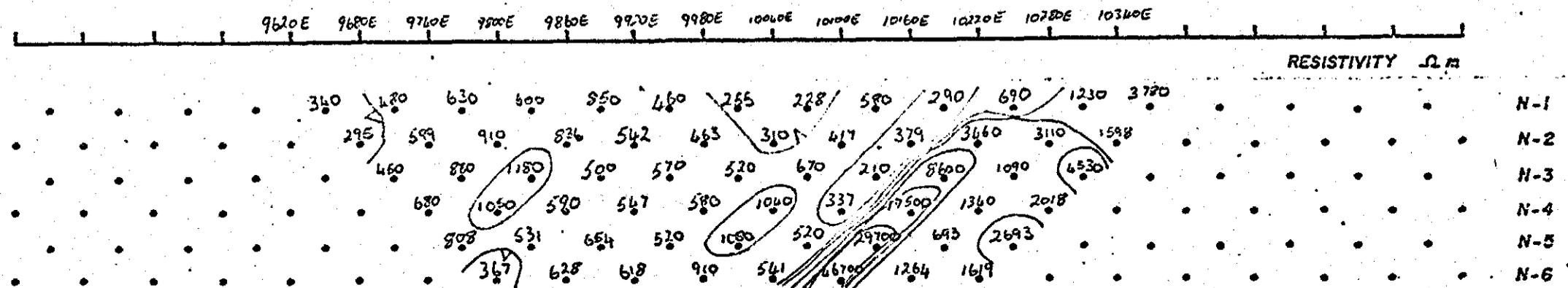
# INDUCED POLARIZATION AND RESISTIVITY SURVEY

703091

SURVEY BY : SCINTREX	PROSPECT : BOCO BULGOBAC	DATE : (15+18)-3-1982
PLOTTED BY : EDDY TRESLER	LINE NO : 11,000N	RECEIVER : 1PR-11
CREW LEADER : JOHN DICKINSON	REF NO : TAS-094	PULSE : 2 SECONDS

DIPOLE - DIPOLE SPACING = 60 METRES

SCALE = 1:5000



5 cm

APPENDIX 3: Memorandum from Dr. J.R. Bishop concerning Boco I.P.  
Survey.

LINE 16120N  
8000  
GROUND MAGNETICS  
TAS 019  
SI. 1. 2L  
TRUSTED BY:  
M. TANNEL.

62000  
61900  
61800  
61700  
61600  
61500  
61400  
61300  
61200  
61100  
61000  
60900  
60800  
60700

62000

61600

60800

00010 00020 00030 00040 00050 00060 00070 00080 00090 00100 00110 00120 00130 00140 00150 00160 00170 00180 00190 00200

703093

LINE 15 1604

62800  
62700  
62600  
62500  
62400  
62300  
62200  
62100  
62000  
61900

Point 1505

0000

0001

0002

0003

0004

0005

0006

0007

0008

0009

703094

LINE 15160M  
2500  
GROUND MAGNETICS  
TAS 094  
31-1-32  
PLOTED BY:  
M. TANNER.

63000  
62900  
62800  
62700  
62600  
62500  
62400  
62300  
62200  
62100  
62000  
61900  
61800

0000 0010 0020 0030 0040 0050 0060 0070 0080 0090 0100 0110 0120 0130 0140 0150 0160 0170 0180 0190 0200

SMALL LAKE

LEVEL ROAD

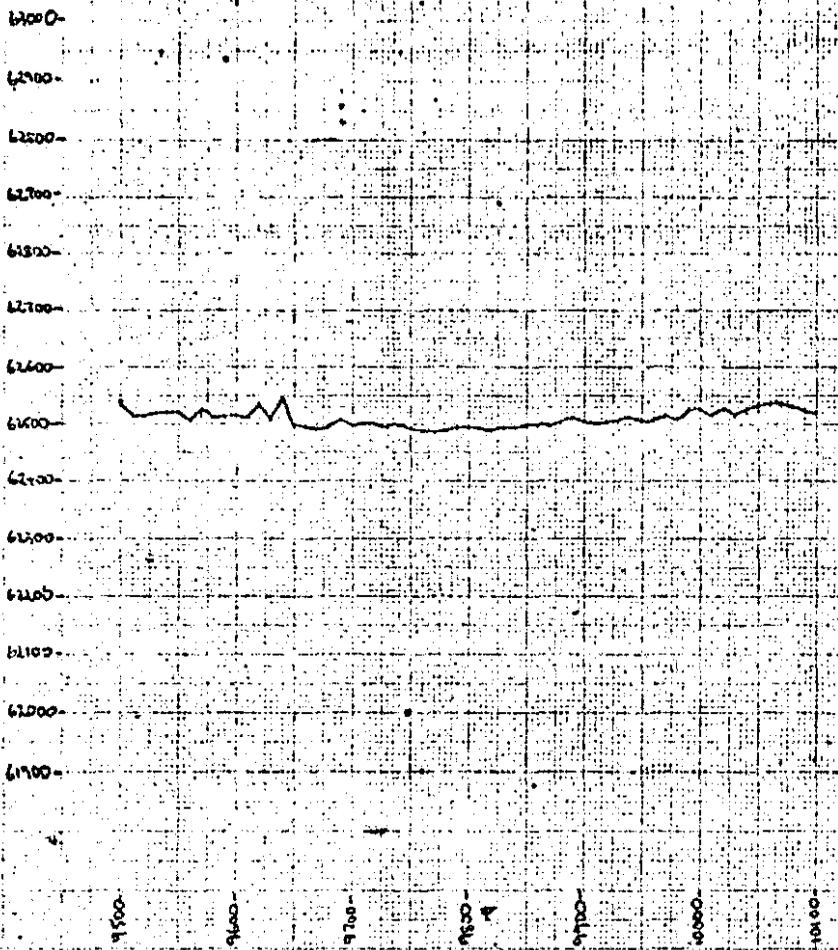
COURT HOUSE

REMARKS

THREE LINES

703095

LINE 14 690N



703096

LINE 14680 N  
BOC?  
GROUND MAGNETICS  
TAS 094  
31-1-82  
PLOTTED BY:  
M. TANNER

6250  
6240  
6230  
6220  
6210  
6200  
6190  
6180  
6170  
6160  
6150  
6140  
6130  
6120  
6110  
6100  
6090  
6080  
6070  
6060  
6050  
6040  
6030  
6020  
6010  
6000  
5990  
5980  
5970  
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5020  
5010  
5000  
4990  
4980  
4970  
4960  
4950  
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0000 0010 0020 0030 0040 0050 0060 0070 0080 0090 0100 0110 0120 0130 0140 0150 0160 0170 0180 0190 0200 0210 0220 0230 0240 0250 0260 0270 0280 0290 0300 0310 0320 0330 0340 0350 0360 0370 0380 0390 0400 0410 0420 0430 0440 0450 0460 0470 0480 0490 0500 0510 0520 0530 0540 0550 0560 0570 0580 0590 0600 0610 0620 0630 0640 0650 0660 0670 0680 0690 0700 0710 0720 0730 0740 0750 0760 0770 0780 0790 0800 0810 0820 0830 0840 0850 0860 0870 0880 0890 0900 0910 0920 0930 0940 0950 0960 0970 0980 0990

703097

APPENDIX 4: Ground Magnetic Line Profiles, Boco Grid.



To: Chief Geologist, W.C.M.  
From: J.R. Bishop  
Subject: BOCO IP SURVEY

Date: 17th May, 1982

Copies: I.R. McDonald  
R.A. Sainty

Several lines of dipole-dipole IP were carried out on the Boco Grid in March-April, 1982. The areas surveyed covered gaps in the earlier gradient array IP coverage, as well as testing interesting areas outlined by the gradient array metal factors (Bishop, 1981). The survey employed an IPR-11 receiver using a 60m dipole spacing. Magnetic measurements were also made along the IP lines, but at the time of writing, the results were only available in profile form.

The IP results were generally disappointing:

- lines 12,280N and 14,680N, surveyed to test gradient array metal factor anomalies, did not define any worthwhile chargeable anomalies.
- an alignment of weak responses was recorded within the infill lines 11,000N to 11,500N. This occurred to the east of the railway line and was best developed on line 11,400N (10,420E), but was also detectable on lines 11,200N and 11,500N. However all responses other than that on 11,500N lie outside the lease boundary.
- a similar, but more persistent (and slightly stronger) trend was outlined by the infill surveys in the south east corner of the grid (lines 13,580N to 14,520N). This alignment was detected on lines 13,580N, 13,880N, 14,040N and 14,200N. On this last line, the anomaly was outside the lease, and consequently the trend was not tested by lines further to the north. South of 13,580N, no grid lines crossed the trend of the anomalies. The (chargeability) anomalies had an ill-defined shape (partly due to the fact that on most lines they were at the (eastern) ends of the coverage) and were generally in resistive ground (~2,000 ohm-m).

Some lines were surveyed across the width of the grid, (or alternatively, two adjacent, overlapping lines covered the grid) to see if a 'host horizon' could be detected running through the grid. No such persistent horizon was found, except for that described above, in the south-east corner of the grid (which occurs over a distance of 650m).

None of the IP anomalies defined by this survey constitute drill targets within their own right (and since most of the grid is covered by glacial material, there is little definite, complementing geological or geochemical information). Of the anomalies defined, it is recommended that the chargeability trend in the south-east corner be 'chased' southwards to the lease boundary, and if persistent, onto E.L. 1/62.

The general lack of agreement between the dipole-dipole and gradient array data, suggests that the gradient array has been ineffectual in penetrating the glacial cover. The often shallow pockets of low resistivity on the dipole-dipole pseudo-sections indicate that the dipole-dipole array usually 'saw' beneath the glacials, however on at least one line (15,160N) the low, uniform resistivities and chargeabilities suggest that a thick sequence of glacials has not been penetrated.



(by a 60m dipole-dipole survey reading to  $n=6$ ). Thus, although the 'regional' surveys did not define any host horizon, consideration should be given to surveying part (i.e. more) or all of the Boco Grid with dipole-dipole IP.

The micro-processor based IPR-11 receiver allows a more thorough measurement of the decay curve, but from an initial inspection of the data from the Natone Grid, it does not appear to be capable of operating in much more conductive areas than its predecessors (the IPR-8 and IPR-10), and its signal averaging may be no better; however it does permit a higher production rate. The results obtained from this survey suggest that there are more 'bad readings' than with the earlier receivers, e.g. the larger number of negative readings: this aspect needs to be further investigated.

Comparisons (from the Natone Grid) between IPR 8/10 and IPR-11 data shows that the plotted slice (the seventh) of the latter is generally lower than the M32 of the former; also the anomalies have a smaller amplitude. Preliminary examination of decay rates from anomalous and background areas of the Natone Grid have shown no significant differences in decay rate; nevertheless, it is recommended that the results of IPR-11 surveys, from the various geological environments tested by E.Z. this field season, be thoroughly evaluated to see if the instrument can contribute any new, diagnostic information.

J.R. BISHOP

REFERENCE

BISHOP, J.R., 1981 A review of the geophysics over the Boco Grid, E.L. 12/72.  
Mitre Geophysics Report 81/02 for E.Z.

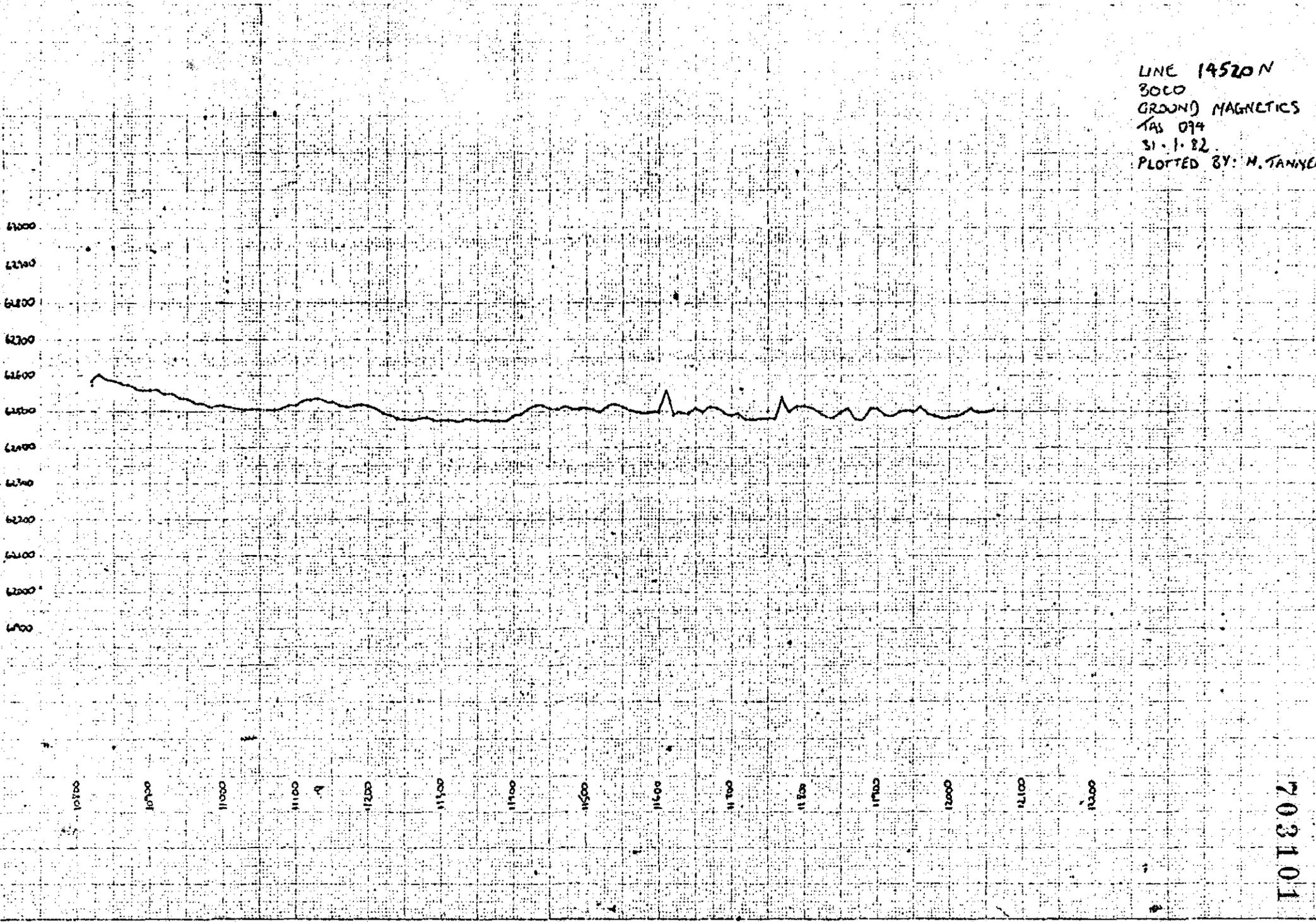
JRB/amd

LINE 14520 N  
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TAS 094  
31.1.82  
PLOTTED BY: M. TANNYER.

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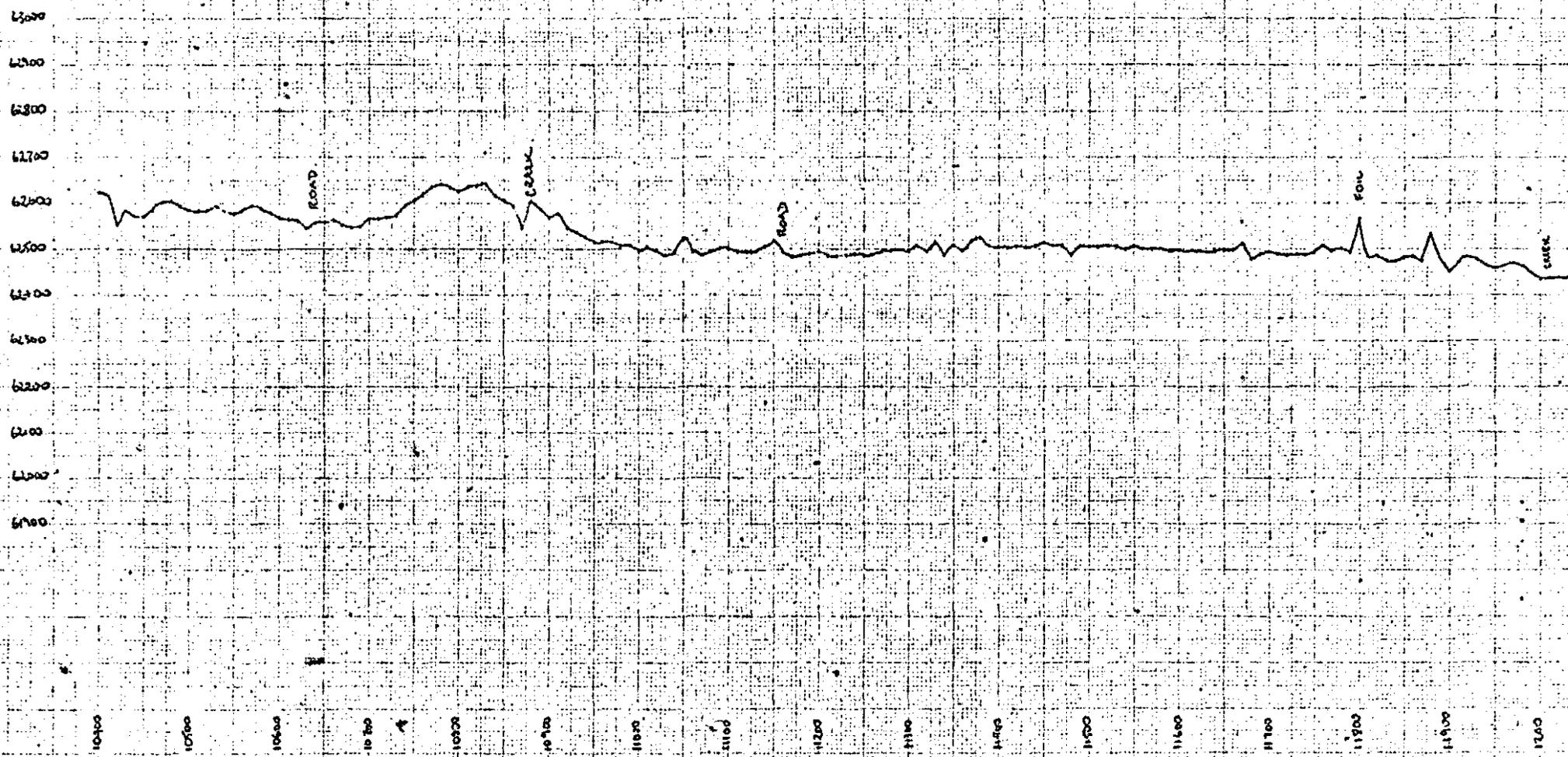
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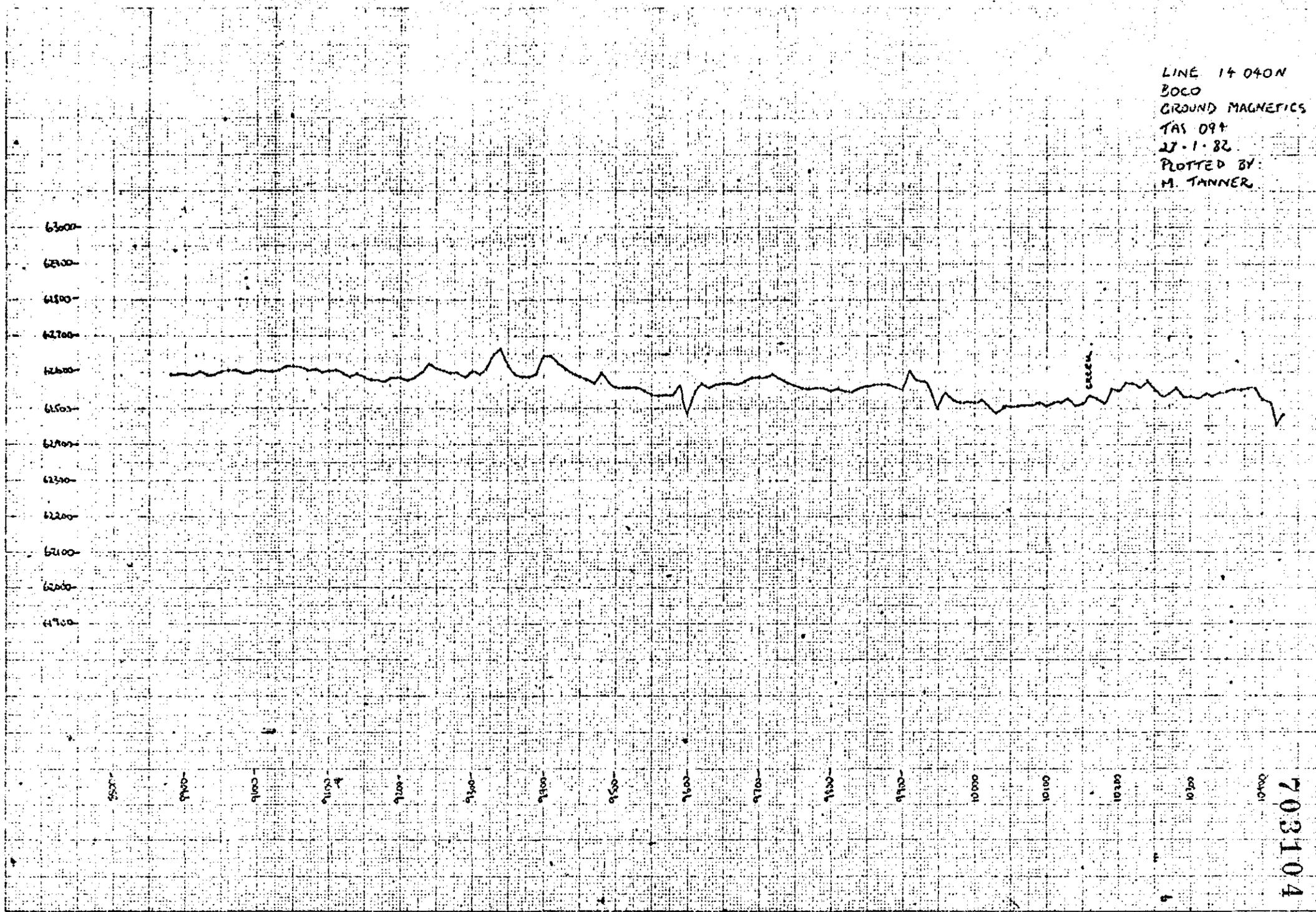


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703103

LINE 14 040N  
BOCO  
GROUND MAGNETICS  
TAS 094  
27-1-82  
PLOTTED BY:  
M. TANNER



703104

LINE 13 880W  
8000  
GROUND MAGNETICS  
TAS 019  
27. 1. 82.  
PLOTTED BY:  
M. TANNER.

6400  
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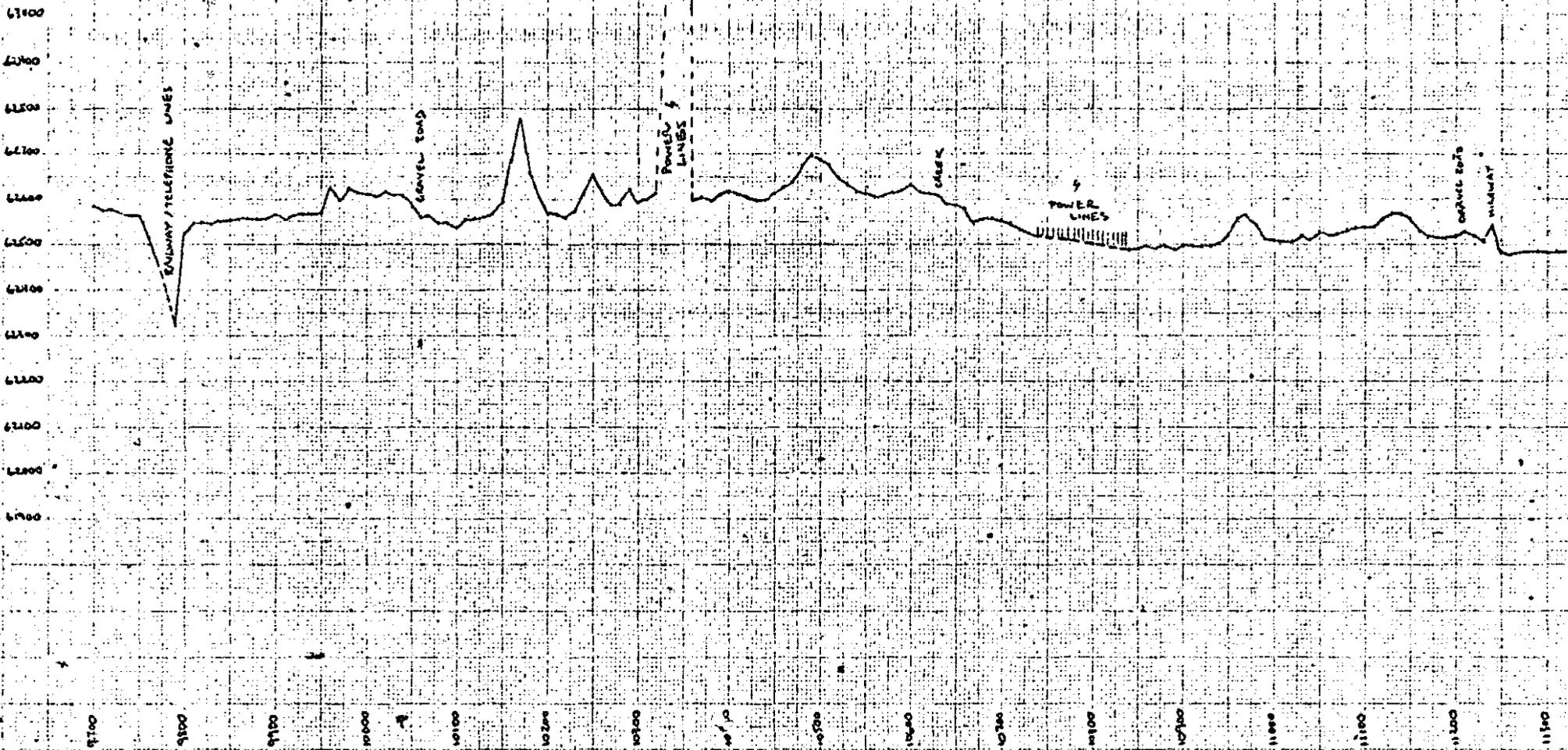
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LINE B SON



703106

LINE 13 530 N



703107

8200 - 9800E

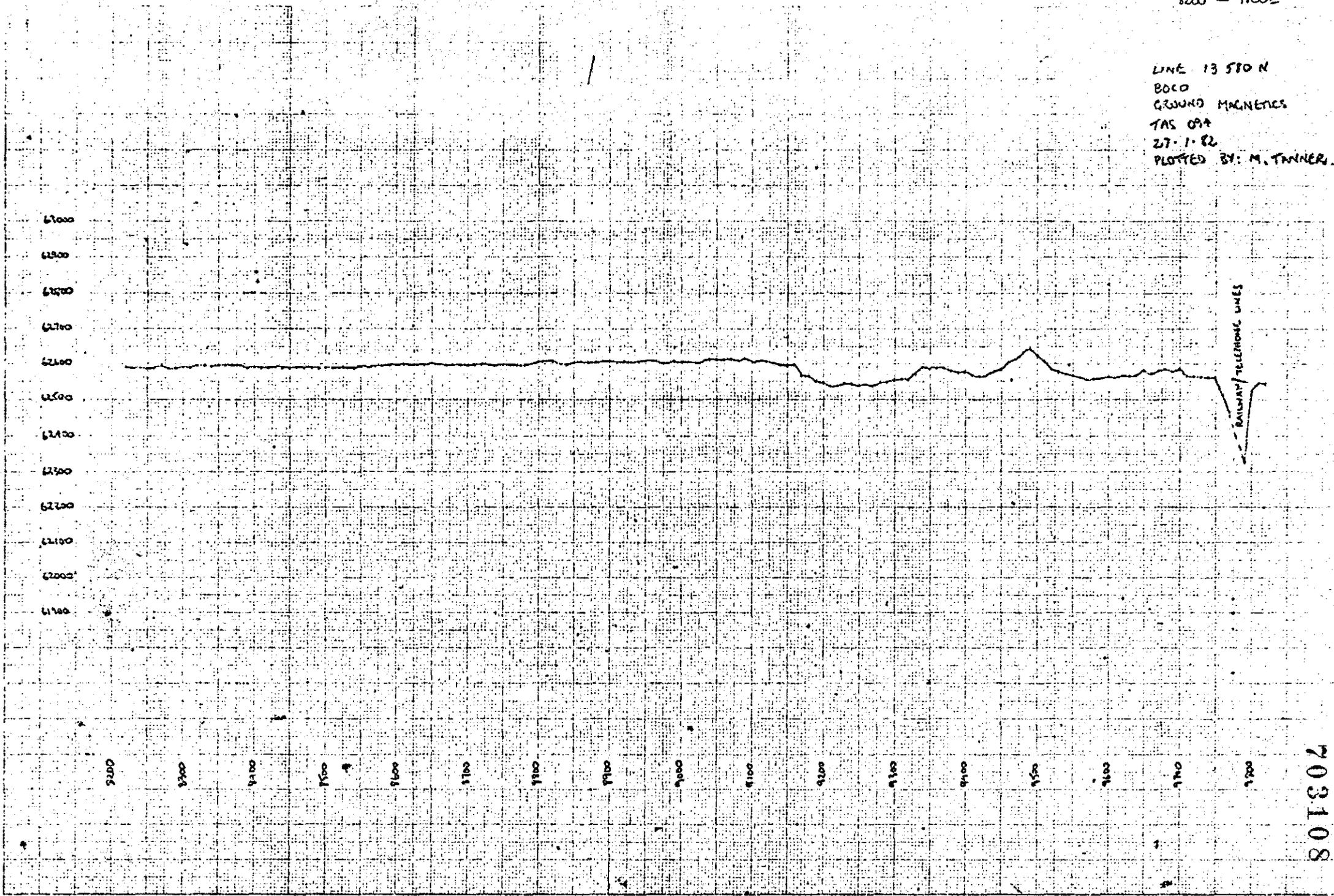
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27-1-82  
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57000  
56500  
56000  
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55000

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RAILWAY TELEPHONE LINES

703108



LINE 12920N

63700  
63600  
63500  
63400  
63300  
63200  
63100  
63000  
62900  
62800  
62700

10750

10850

10950

11050

11150

11200

11300

11400

11500

11600

11700

11800

11900

12000

POWER LINES

POWER LINES

START BAR

START BAR

POWER

703109

LINE 12920N  
BOCO  
GROUND MAGNETICS  
TA 074  
16-1-82  
PLOTTER BY  
M. TANNER

63000  
62900  
62800  
62700  
62600  
62500  
62400  
62300  
62200  
62100  
62000  
61900

0075

0085

0095

0105

0115

0125

0135

0145

0155

0165

0175

0185

0195

0205

0215

0225

0235

703110

LINE 12 280N

62000  
62100  
62200  
62300  
62400  
62500  
62600  
62700  
62800  
62900  
63000

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0018

0021

0022

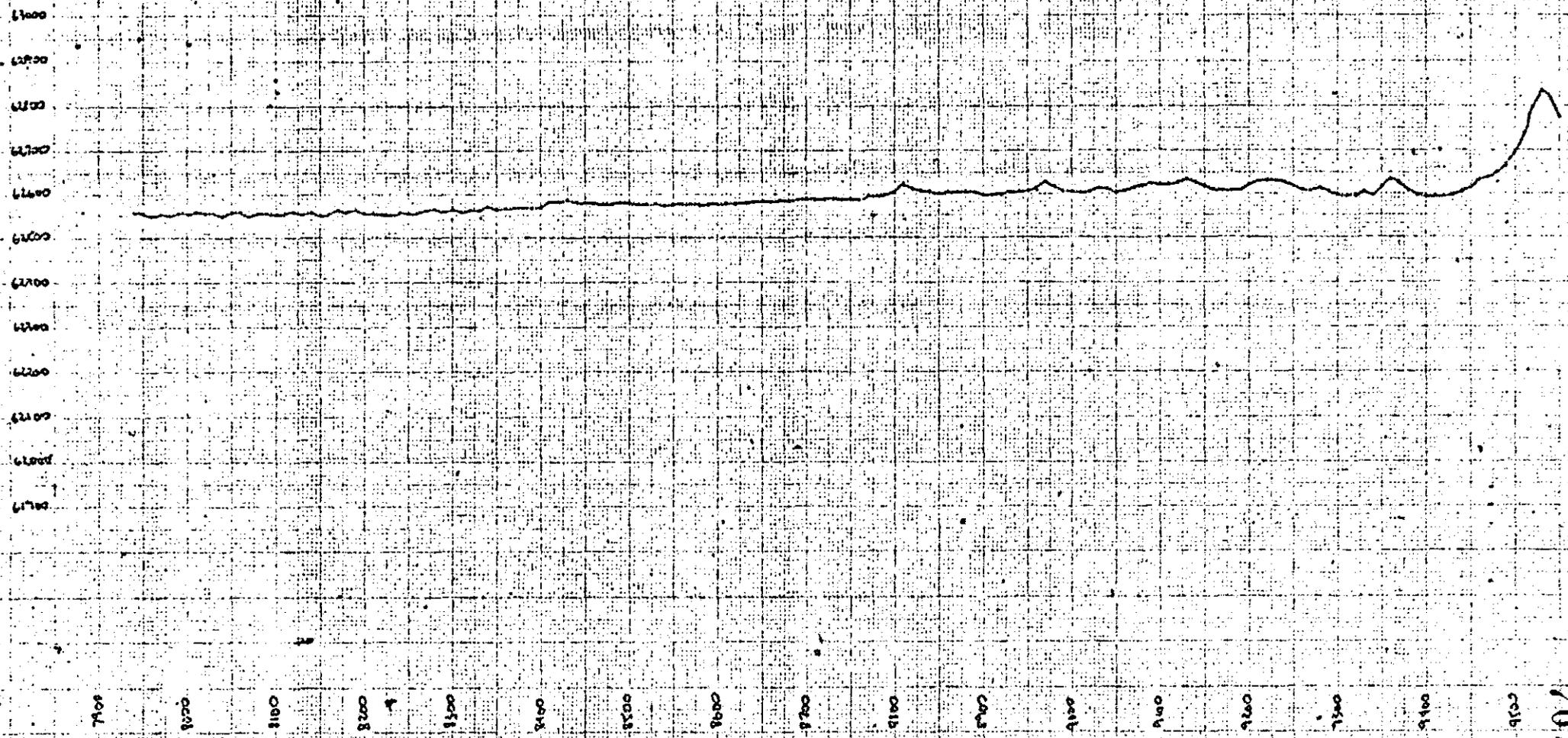
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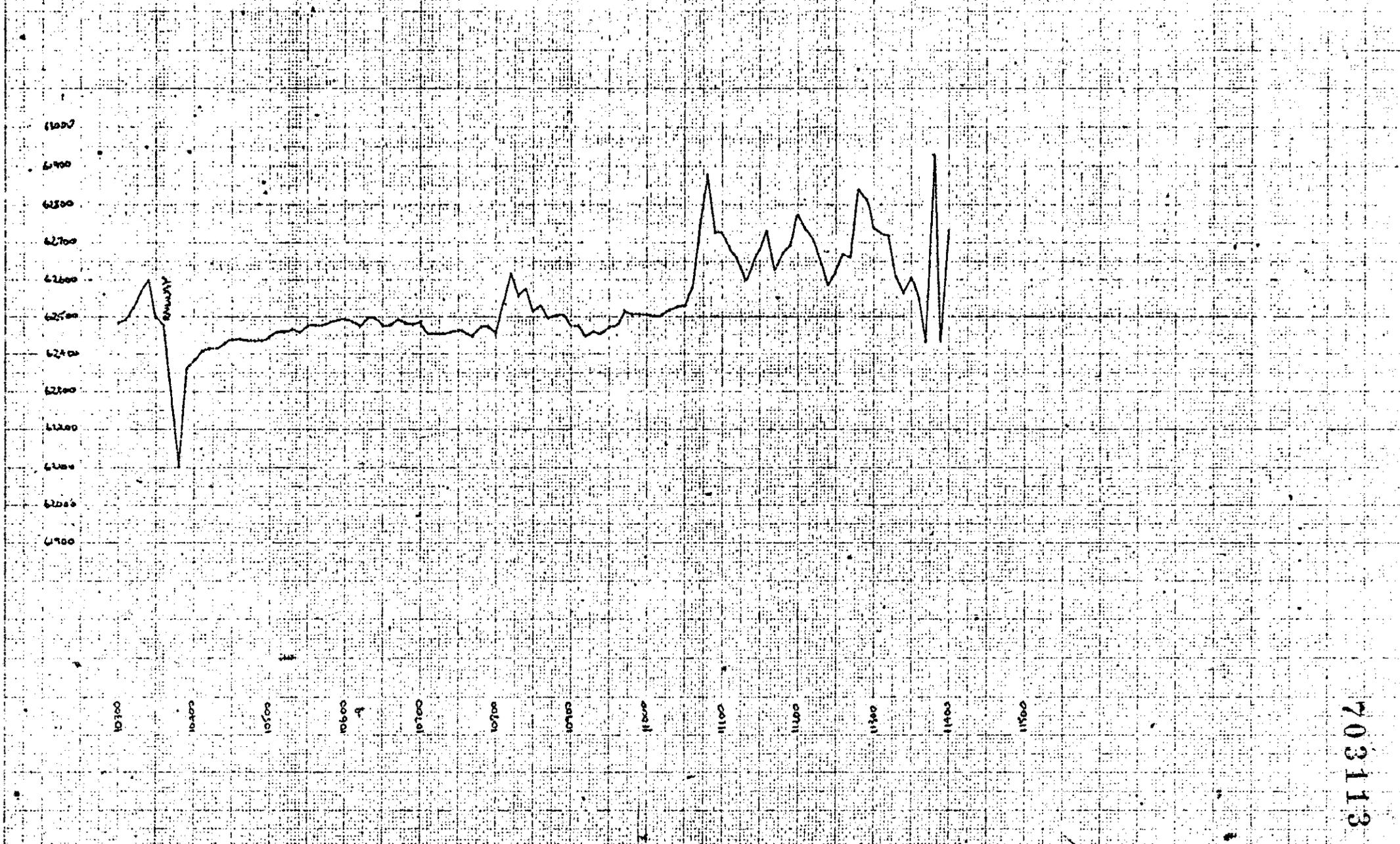
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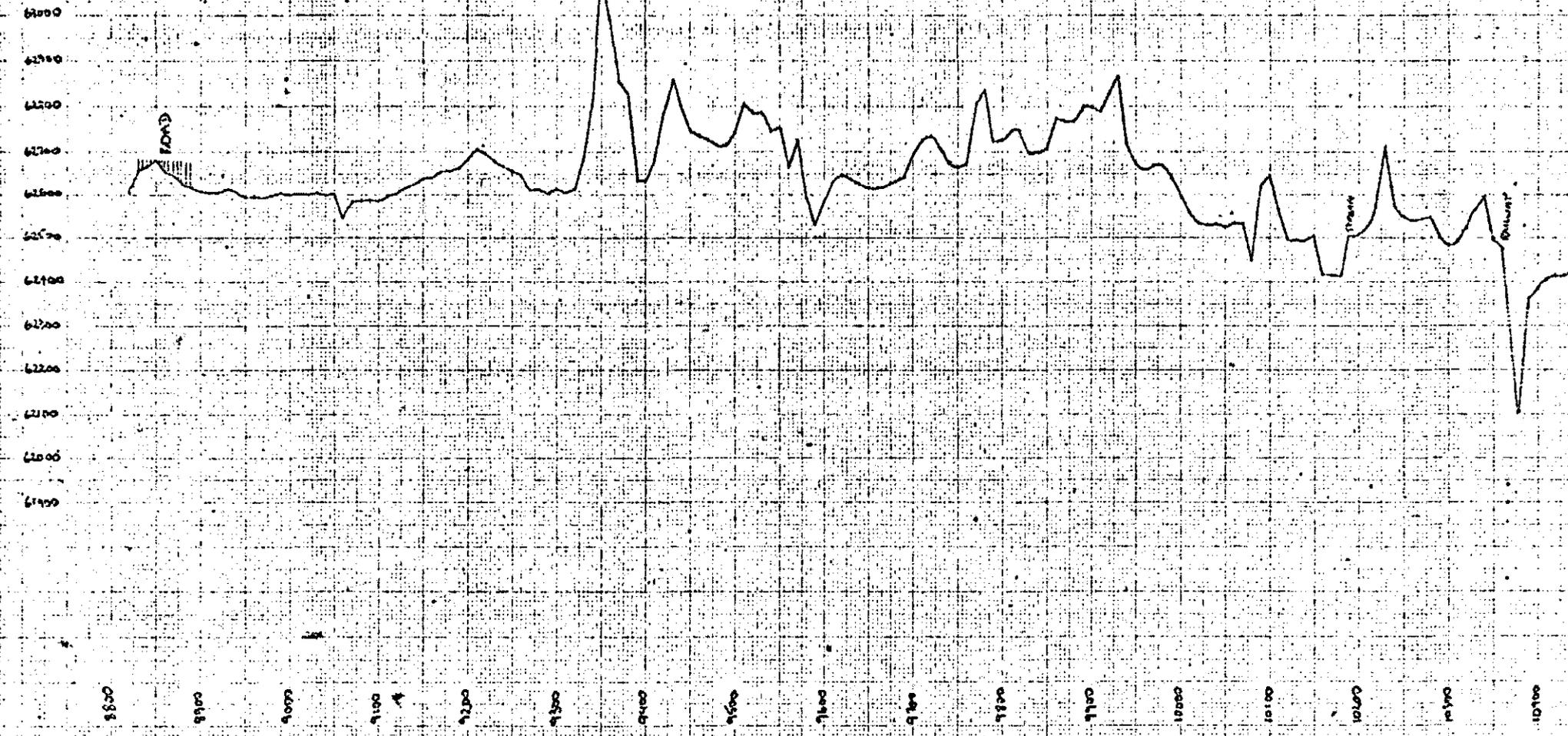


LINE 11780N



703113

LINE 11 780N  
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PLOTTER BY:  
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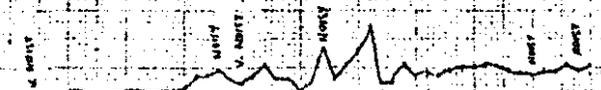


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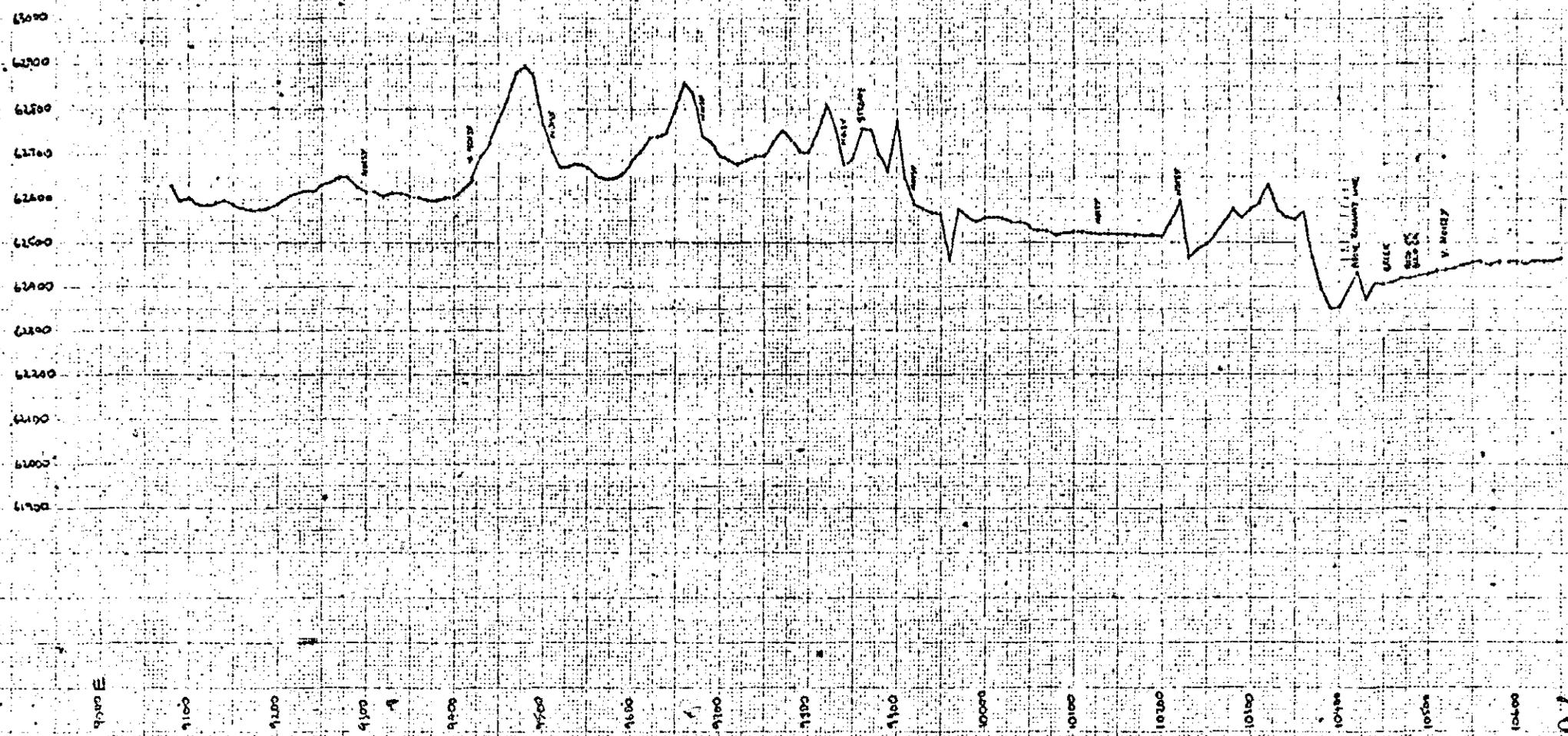
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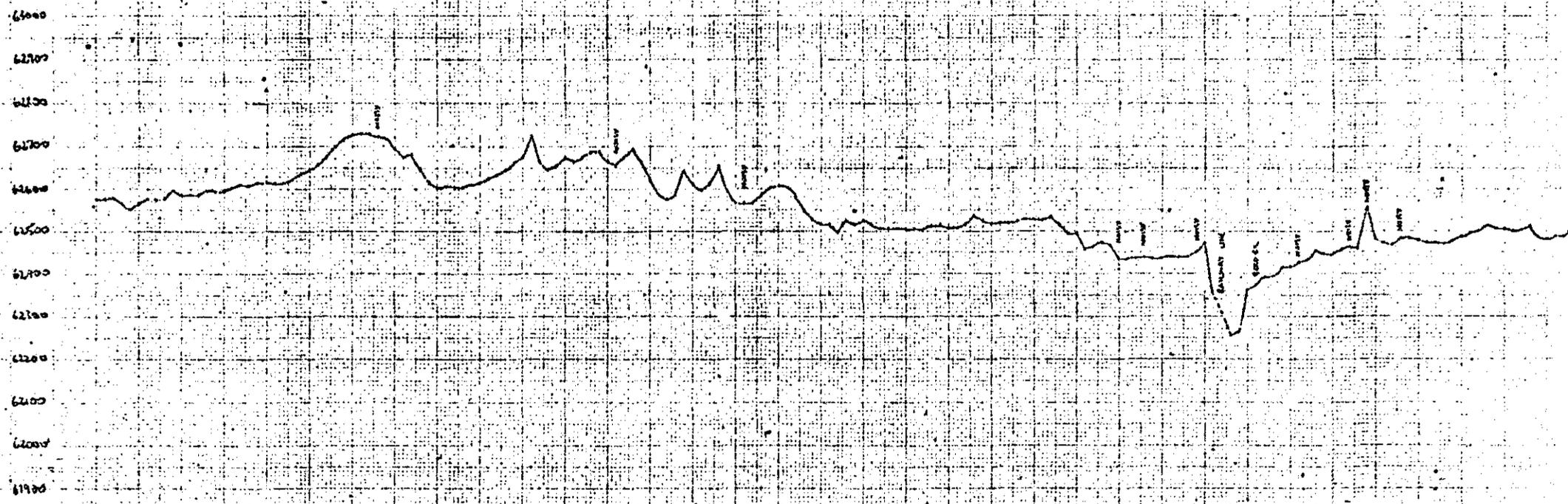
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703116

LINE 11400N  
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GROUND MAGNETICS  
TNS 011  
25-1-72.  
PLOTTED BY  
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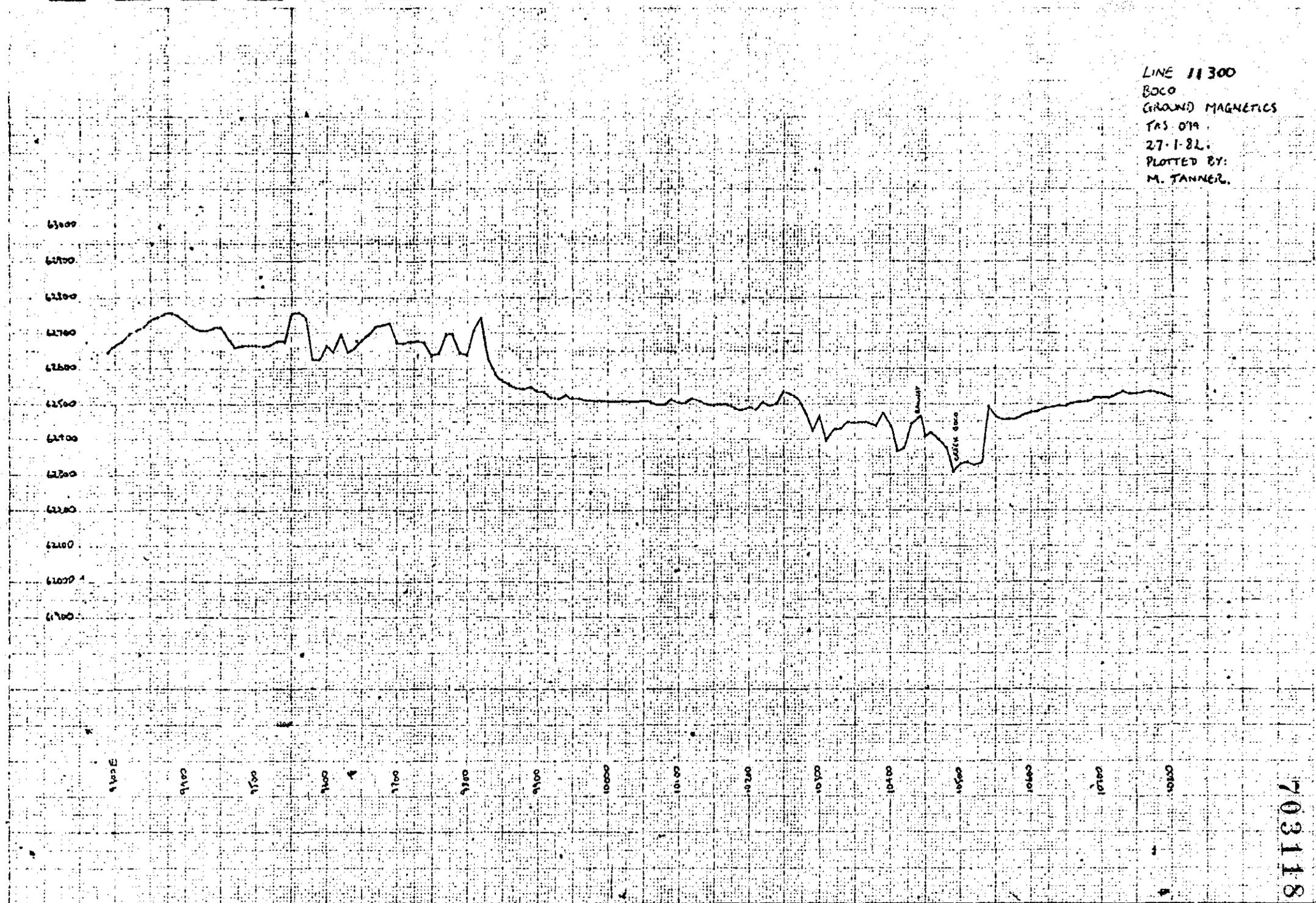
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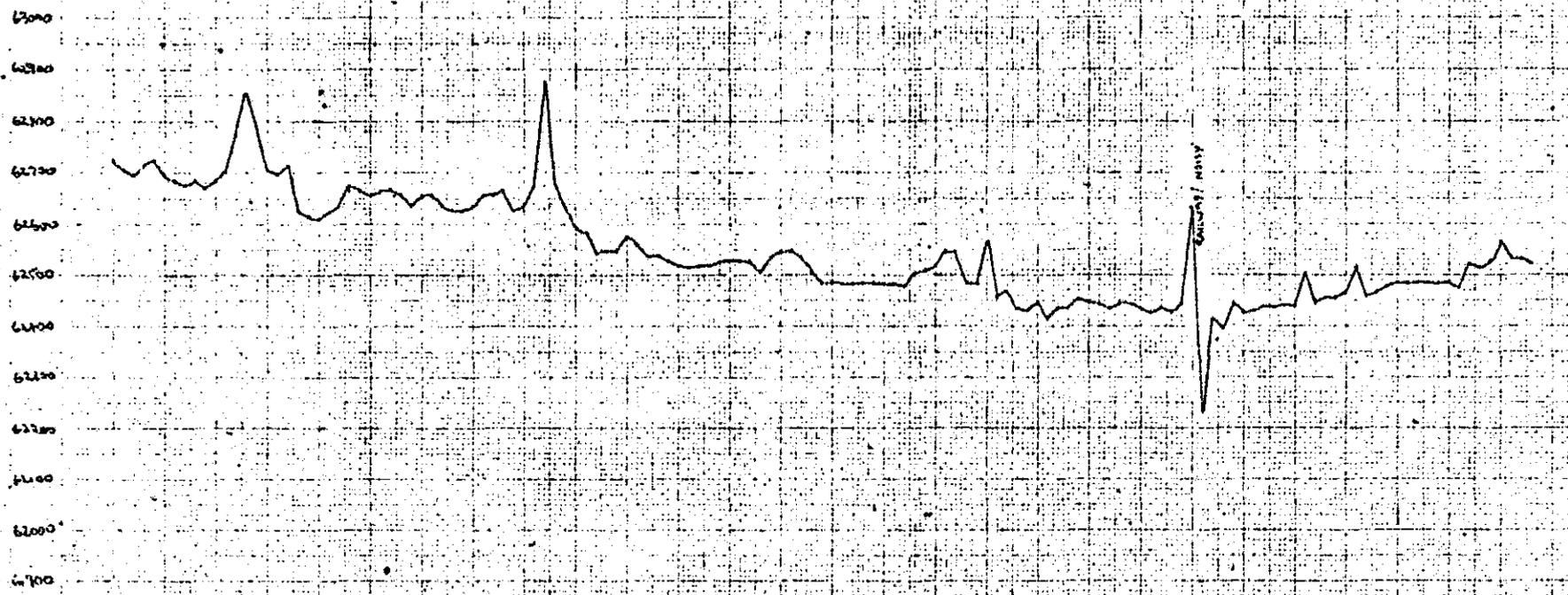
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703118



LINE 11200N  
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PLOTTER BY:  
M. TANNER



703119

LINE 11 1100W  
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25-1-82  
PLOTTED BY:  
M. TANNER.

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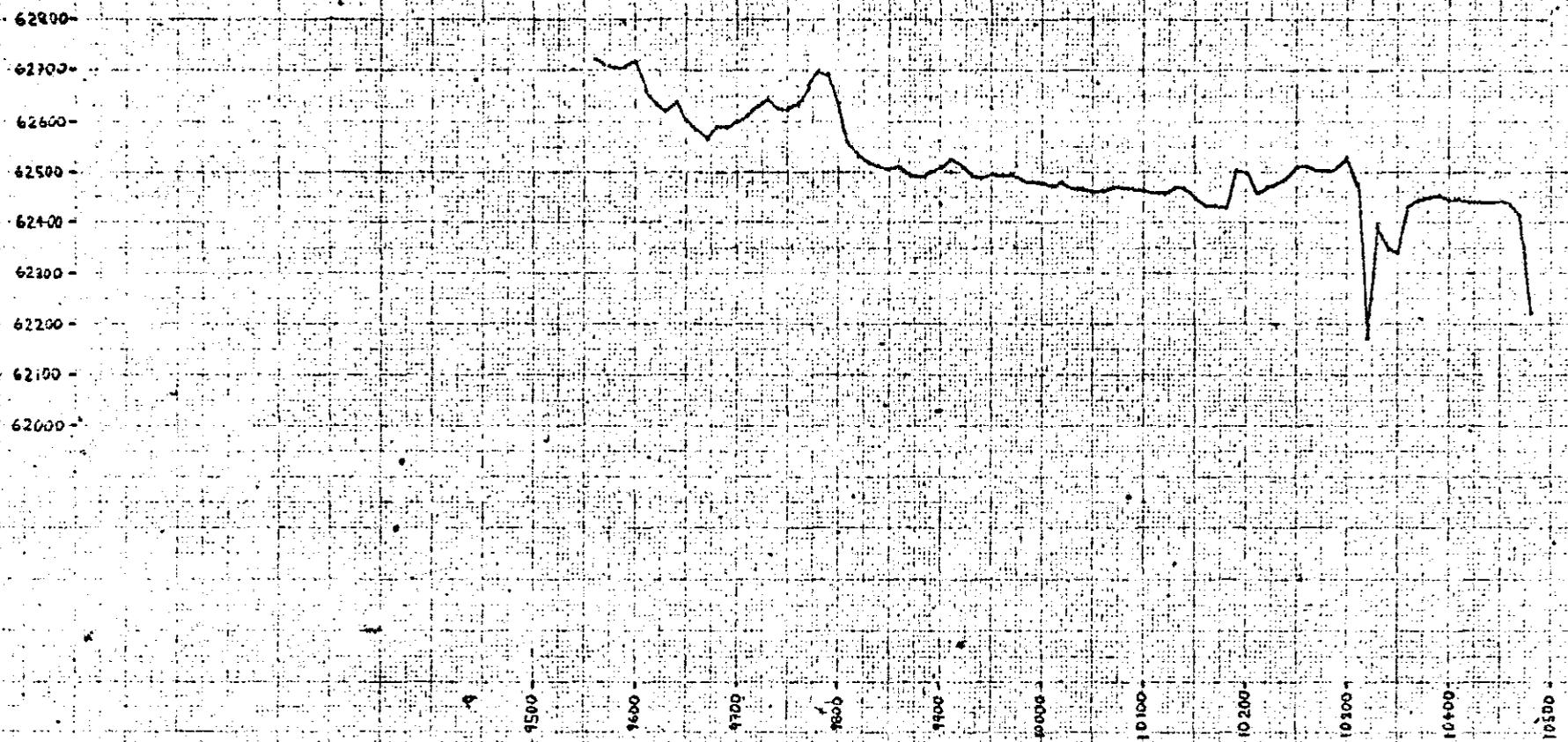
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RAILWAY

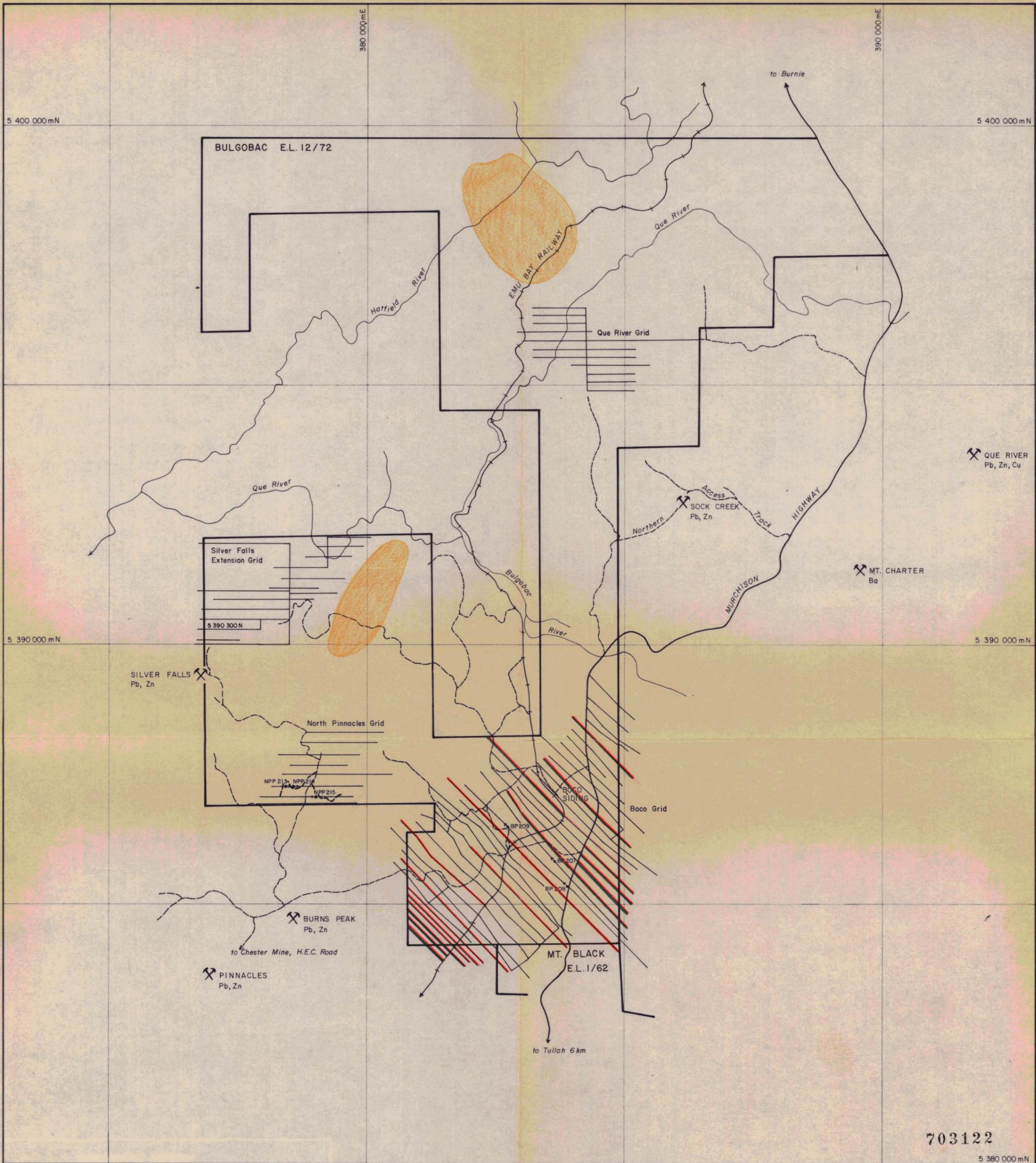
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W. STOKES

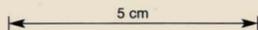


703121



703122

5 380 000 mN



**LEGEND**

- Line Cut
- Line Ground Magnetics
- Line Soil Sampled
- Line Geology Mapped
- Line I.P. Dipole-dipole
- Vehicle track constructed
- Access, Streams Geologically Mapped
- Existing Vehicle Track
- Road
- Railway
- River
- Existing Grid Line
- Mine, Prospect

ELECTROLYTIC ZINC CO. OF ASIA LTD.  
 PROJECT: BULGOBAC E.L. 12/72 TAS.

82-1342

WORK COMPLETED DURING

16. 12. 1981 - 4.5. 1982

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Reference:	Date: 9.5. 1982	REF. No.
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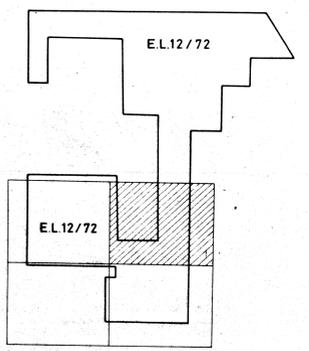
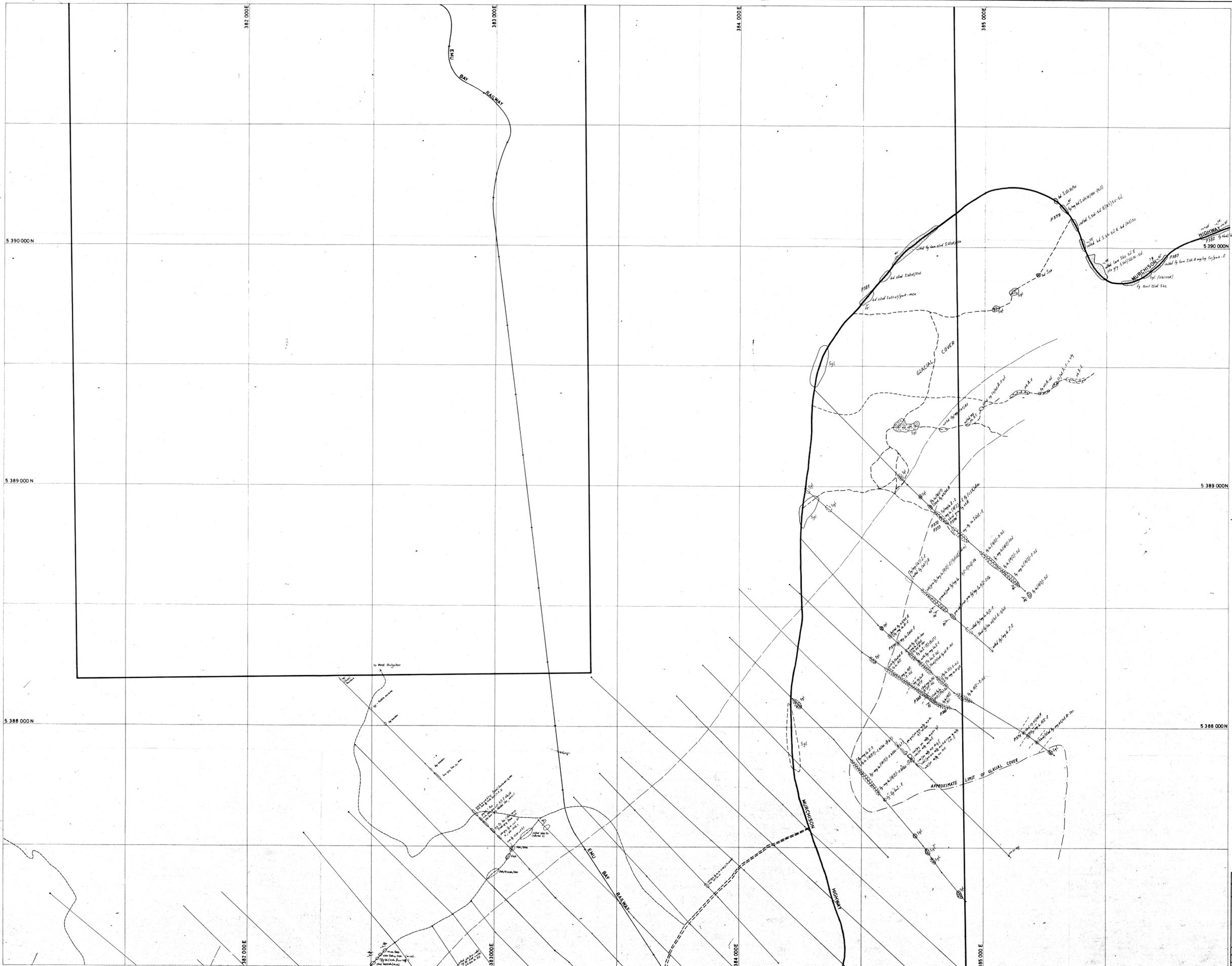


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DATE: 8/9/76	DRAWN: R.A.H. GEOLOGY: N.H.H.



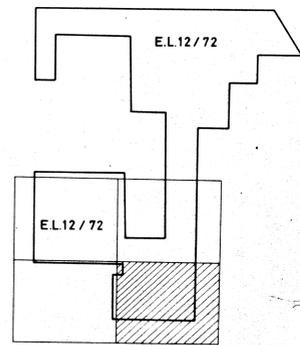
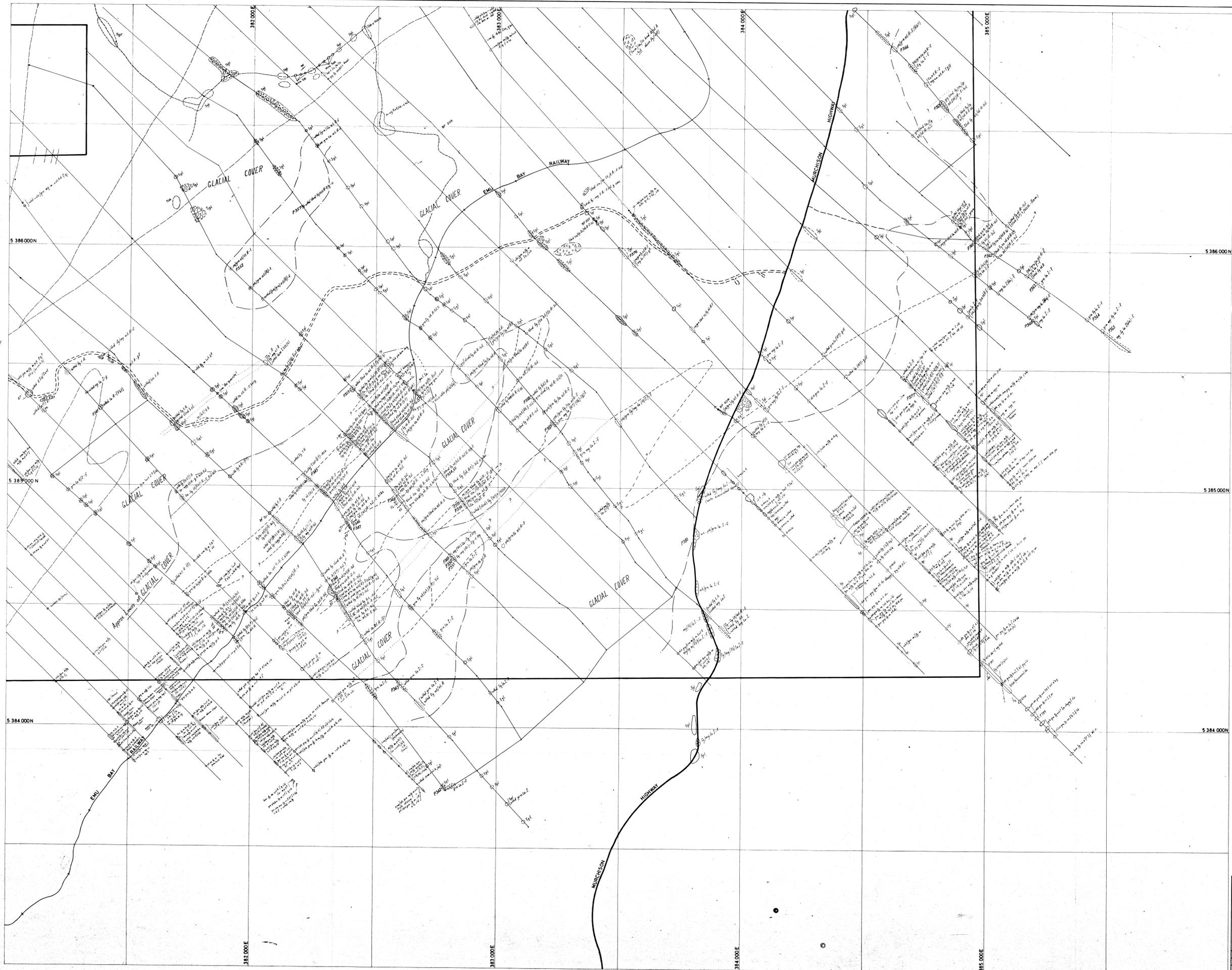


PLATE 5

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 PROJECT: BULGOBAC EL.12/72 TAS.  
 BOCO SIDING 703124  
 GEOLOGY 82-1342  
 BOCO SOUTH SHEET  
 SCALE: 1 : 5 000 REF. NO.  
 DATE: 8/9/76 DRAWN: R.A.H. GEOLOGY: N.H.H. AO 521-0017

