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GEOPEKO

A DIVISION OF PEKO-WALLSEND OPERATIONS LIMITED

ANNUAL REPORT ON E.L. 17/83

MT BOLTON

TASMANIA

J. PEMBERTON

MAY, 1984

**OPEN FILE**

**MICROFILMED**

84-2152

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APPENDIX

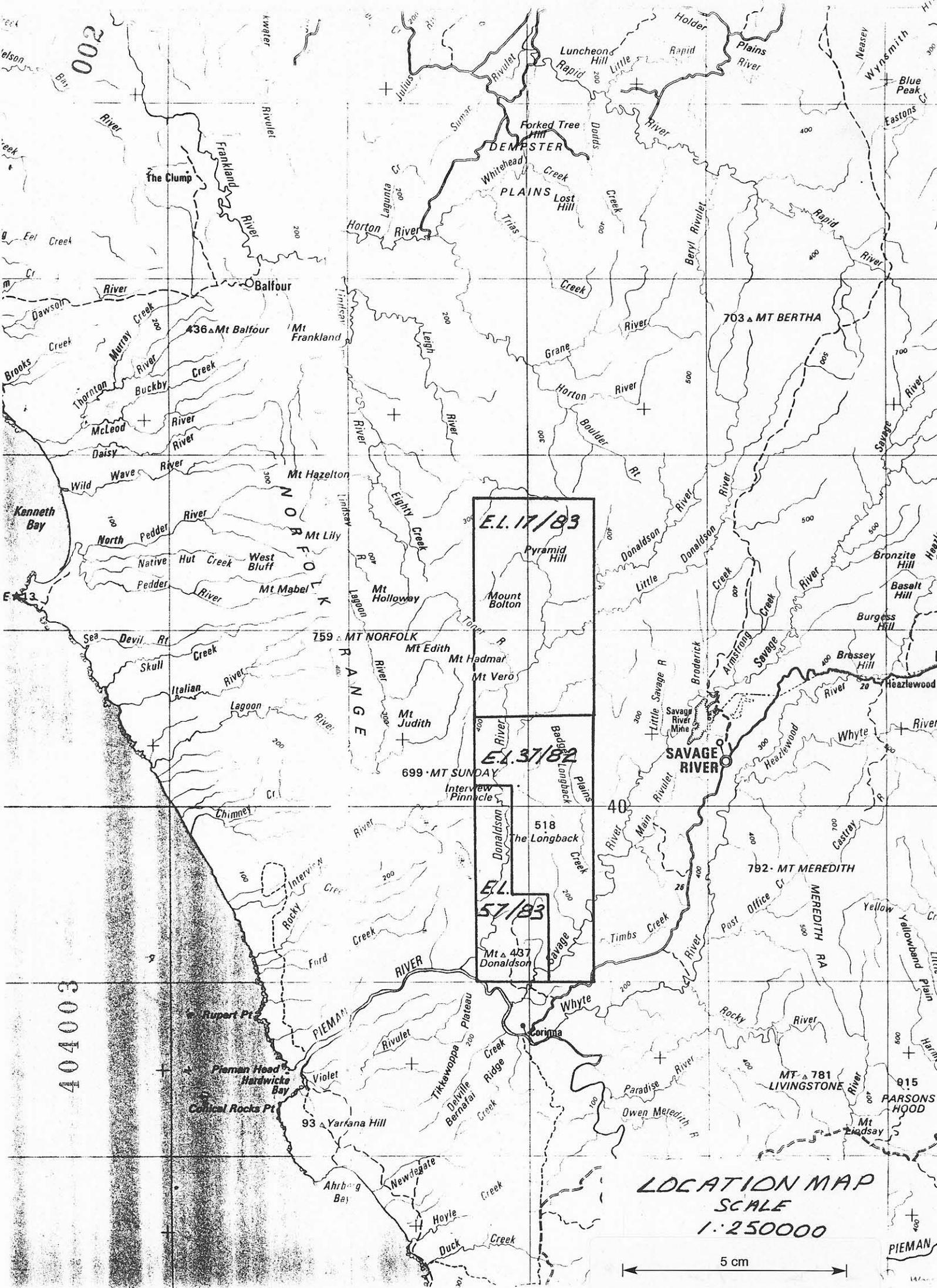
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FIGURES

1. MAGNETIC PROFILES FOR BOLT 1 WITH SOIL SAMPLE LOCALITIES
2. MAGNETIC PROFILES FOR BOLT 2 WITH SOIL SAMPLE LOCALITIES
3. MAGNETIC PROFILES FOR BOLT 5 WITH SOIL SAMPLE LOCALITIES
4. MAGNETIC PROFILES FOR BOLT 6 WITH SOIL SAMPLE LOCALITIES
5. MAGNETIC PROFILES FOR BOLT 7 WITH SOIL SAMPLE LOCALITIES
6. MAGNETIC PROFILES FOR BOLT 8 WITH SOIL SAMPLE LOCALITIES
7. MAGNETIC PROFILES FOR BOLT 9 WITH SOIL SAMPLE LOCALITIES

PLANS

1. AEROMAGNETICS AND PROSPECT MAGNETICS
2. PROSPECT MAP WITH GRIDS



E.L. 17/83

E.L. 37/82

E.L. 57/83

LOCATION MAP  
SCALE  
1:250000

5 cm

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1. INTRODUCTION

The Mt Bolton E.L. covers an area of 75sq km and is located 7km north west of the Savage River township in western Tasmania. No ground access by tracks is available due to steep, rugged topography and dense rainforest. A helicopter was used in February-March, 1984 to follow up a number of airborne anomalies obtained in the 1981 Mines Department survey.

An exploration model based on the pyrrhotite/magnetite skarn style of tin mineralization was used to select the anomalies for follow up. A total of seven magnetic anomalies were followed up by ground traverses with selected lines being power augered for C-horizon soil samples.

The area falls within the Precambrian Rocky Cape Nucleus of metasediments with laminated siltstones, shales, quartzites and minor carbonates. Semi conformable amphibolites are present in the steeply dipping north easterly striking sequences.

2. GROUND FOLLOW UP OF AEROMAGNETIC ANOMALIES AND  
GEOCHEMICAL TRAVERSES.

Each anomaly followed up is discussed briefly in the following section.

a) Bolt 1

A moderate strength complex anomaly in the north east of the E.L. adjacent to a major fault structure. The magnetic profiles and soil sample numbers are displayed on Figure 1. Soil sample results are presented in Appendix 1. Rock samples collected are catalogued below:-

KR 11165 - 275S OE - Lam. siltstone  
KR 11166 - 650S 60E - Lam siltstone  
KR 11167 - 500S 150E - Felsic Amphibolite  
KR 11168 - 530S 150E - Pyritic Chert  
KR 11171 - 300S 820E - Felsic Amphibolite

Panned concentrates collected were:-

KR 11169 - 500S 150 E  
KR 11170 - 500S 300E results in Appendix 2.

The amphibolite located on lines 500S and 300S had a small magnetic response while a siltstone on line 50N had disseminated magnetite in rock chips and a strong response. The panned concentrates had moderately high results for W of 70ppm-80ppm.

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## b) Bolt 2

A discrete lenticular anomaly in the south east of the E.L. Weathered amphibolite and laminated black shale/grey siltstone outcrop over the anomaly. Profiles for the anomaly can be found on Figure 2.

Rock sample collected:-

KR 11182 - 10000N 10432E - Weathered amphibolite.

The small ground response for the magnetics did not warrant any further follow up.

## c) Bolt 5

A moderate anomaly in the central north of the E.L. in laminated siltstone. The magnetic profiles on Figure 3 indicate a minor magnetic anomaly in similar circumstances to Bolt 7.

## d) Bolt 6

A moderate anomaly just south of Bolt 5 in laminated siltstones with disseminated pyrrhotite in the carbonaceous rich sections. Rock specimen KR 11174 of black and cream siltstone was collected. Three panned concentrated samples were collected:-

TD 10501 - 400m west of 10000E 10400N

TD 10502 - 400m south of 10200E 10000N

TD 10503 - 50m south of 10700E 10400N

The erratic magnetic highs seen in Figure 4 corresponded to iron staining in the siltstones which was interpreted as disseminated syngenetic pyrrhotite. Soil sample numbers are on Figure 4 and geochemical results in Appendix 1 and 2.

## e) Bolt 7

A similar anomaly to 5 and 6 in laminated black and cream siltstones with disseminated pyrrhotite.

The profiles are presented on Figure 5 with the soil sample numbers. Results are in Appendix 1.

At the peak on line 9900N pyrrhotite was present in outcrop and hand specimens:-

KR 11178 - 9900N 10600E

KR 11179 - 9900N 10100E

KR 11181 - 9900N 9850E

## f) Bolt 8

A complex anomaly in the mid-west of the E.L.

Three profiles over the anomaly are presented in Figure 6 with a line of soil augering. Rock samples

KR 11175 collected at 10000N 10200E was a laminated green and cream siltstone. One panned concentrate was taken at 10100N 9750E. No anomalous results were obtained here and the anomaly was interpreted as having an origin similar to Bolt 7.

## g) Bolt 9

A small anomaly just south of Bolt 8.

A profile is presented on Figure 7. No samples were taken here. The anomaly is in similar laminated siltstones as those discussed above.

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3. CONCLUSION

It was concluded that the aeromagnetic data had been over contoured and that the ground follow up had successfully located the chosen anomalies. No encouragement was obtained from the ground profiles, soil samples or panned concentrates to persist with exploration over the anomalies.

Future exploration of the area would concentrate on grass root techniques of regional panned concentrate sampling and mapping.

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APPENDIX 1

C-HORIZON SOIL SAMPLE RESULTS

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Telex: ALSEV 42344

Page 1 of 12

Client address: **GEOPEKO LIMITED,  
P.O. BOX 598  
DEVONPORT. TAS. 7310**

Batch Number: C100

Contact: **MR. J. PEMBERTON**

No. of Samples: 171  
Date Received: 15/03/84  
Date Completed: 23/03/84

Order No. **K 859, KP 3380** Sample Type: **SOIL**

SAMPLE NUMBER	Element Unit Method	Cu ppm G001	Pb ppm G001	Zn ppm G001	Ag ppm G001	Fe % G001
TS 24801		<2	10	15	<1	0.35
TS 24802		<2	10	5	<1	0.17
TS 24803		<2	10	10	<1	1.58
TS 24804		<2	10	15	<1	2.68
TS 24805		<2	10	15	<1	2.18
TS 24806		<2	10	15	1	2.41
TS 24807		5	20	30	1	3.20
TS 24808		<2	15	190	1	6.09
TS 24809		<2	5	30	<1	1.57
TS 24810		<2	5	45	<1	2.57
TS 24811		<2	10	60	<1	2.22
TS 24812		<2	15	75	1	1.92
TS 24813		<2	10	70	<1	3.02
TS 24814		<2	10	50	<1	1.97
TS 24815		<2	10	70	<1	2.56
TS 24816		<2	10	45	<1	3.02
TS 24817		<2	15	60	<1	2.06
TS 24818		5	55	20	1	3.15
TS 24819		5	20	60	1	5.68
TS 24820		<2	15	35	<1	1.79
TS 24821		<2	15	40	<1	1.65
TS 24822		<2	15	35	<1	2.23
TS 24823		<2	20	65	<1	3.15
TS 24824		<2	20	20	<1	1.44
TS 24825		<2	20	40	1	3.11
TS 24826		<2	20	55	<1	2.54
TS 24827		<2	15	80	1	3.24
TS 24828		<2	20	65	1	3.36
TS 24829		<2	20	65	1	2.80
TS 24830		<2	15	50	1	3.84
Detection Limit		2	5	2	1	0.01

Comments



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No. of Samples: **171**  
Date Received: **15/03/84**  
Date Completed: **23/03/84**

Order No. **K 859, KP 3380**

Sample Type: **SOIL**

SAMPLE NUMBER	Element Unit Method	Sn ppm XRF 1A	W ppm XRF 1A	Ba ppm XRF 1A		
TS 24801		<5	30	450		
TS 24802		<5	30	450		
TS 24803		<5	10	860		
TS 24804		<5	10	970		
TS 24805		<5	10	880		
TS 24806		<5	20	620		
TS 24807		<5	10	680		
TS 24808		<5	10	310		
TS 24809		<5	10	590		
TS 24810		<5	10	1000		
TS 24811		<5	20	550		
TS 24812		<5	<10	580		
TS 24813		5	<10	590		
TS 24814		<5	<10	430		
TS 24815		<5	30	280		
TS 24816		<5	10	450		
TS 24817		<5	<10	610		
TS 24818		<5	10	490		
TS 24819		<5	10	430		
TS 24820		<5	10	510		
TS 24821		<5	10	600		
TS 24822		<5	10	560		
TS 24823		<5	10	530		
TS 24824		<5	10	510		
TS 24825		5	10	580		
TS 24826		<5	10	460		
TS 24827		<5	10	440		
TS 24828		5	10	560		
TS 24829		<5	<10	630		
TS 24830		<5	<10	650		
Detection Limit:		5	10	10		

Comments:

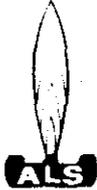


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Contact

**MR. J. PEMBERTON**

No. of Samples: 171  
Date Received: 15/03/84  
Date Completed: 23/03/84

Order No

**K 859, KP 3380**

Sample Type:

**SOIL**

SAMPLE NUMBER	Element Unit Method	Cu ppm G001	Pb ppm G001	Zn ppm G001	Ag ppm G001	Fe % G001
TS 24831		<2	20	55	1	2.55
TS 24832		<2	15	45	1	3.27
TS 24833		<2	15	40	1	2.31
TS 24834		30	15	25	1	4.60
TS 24835		2	10	25	1	3.04
TS 24836		<2	10	40	1	2.76
TS 24837		<2	10	20	1	1.78
TS 24838		<2	10	25	<1	1.99
TS 24839		<2	15	40	1	4.36
TS 24840		<2	10	30	<1	2.25
TS 24841		<2	10	35	1	2.36
TS 24842		<2	10	30	1	1.95
TS 24843		<2	10	25	1	2.15
TS 24844		5	10	10	<1	0.34
TS 24845		2	10	2	1	0.49
TS 24846		2	5	2	1	1.14
TS 24847		2	10	2	1	0.69
TS 24848		10	15	20	1	1.23
TS 24849		2	15	2	<1	0.43
TS 24850		5	15	2	<1	0.55
TS 24851		15	25	30	2	1.53
TS 24852		10	15	15	<1	1.35
TS 24853		10	20	30	1	2.81
TS 24854		2	15	2	<1	0.65
TS 24855		2	15	2	<1	0.98
TS 24856		5	20	10	1	2.46
TS 24857		2	15	2	<1	0.65
TS 24858		5	15	2	<1	0.75
TS 24859		10	30	90	2	6.88
TS 24860		10	20	5	1	0.94
Detection Limit:		2	5	2	1	0.01

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Address: **P.O. BOX 598**  
**DEVONPORT, TAS. 7310**

Batch Number: **C100**

Contact: **MR. J. PEMBERTON**

No. of Samples: **171**  
Date Received: **15/03/84**  
Date Completed: **23/03/84**

Order No. **K 859, KP 3380** Sample Type: **SOIL**

SAMPLE NUMBER	Element Unit Method	Sn ppm XRF 1A	W ppm XRF 1A	Ba ppm XRF 1A		
TS 24831		<5	<10	500		
TS 24832		<5	<10	620		
TS 24833		5	<10	670		
TS 24834		<5	<10	800		
TS 24835		<5	10	590		
TS 24836		5	<10	530		
TS 24837		<5	<10	480		
TS 24838		<5	10	770		
TS 24839		<5	<10	530		
TS 24840		<5	<10	560		
TS 24841		<5	10	530		
TS 24842		<5	10	570		
TS 24843		<5	10	540		
TS 24844		<5	20	60		
TS 24845		<5	40	70		
TS 24846		<5	40	<10		
TS 24847		<5	70	10		
TS 24848		<5	10	430		
TS 24849		<5	20	200		
TS 24850		<5	20	270		
TS 24851		<5	<10	40		
TS 24852		5	10	290		
TS 24853		<5	10	410		
TS 24854		<5	10	310		
TS 24855		<5	10	250		
TS 24856		<5	20	200		
TS 24857		<5	20	140		
TS 24858		<5	20	150		
TS 24859		<5	10	80		
TS 24860		<5	20	230		
Detection Limit:		5	10	10		

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Batch Number: C100

Contact: **MR. J. PEMBERTON**

No. of Samples: 171

Date Received: 15/03/84

Order No. **K 859, KP 3380**

Sample Type: **SOIL**

Date Completed: 23/03/84

SAMPLE NUMBER	Element Unit Method	Cu ppm G001	Pb ppm G001	Zn ppm G001	Ag ppm G001	Fe % G001
TS 24861		2	10	2	<1	0.29
TS 24862		<2	10	2	<1	0.33
TS 24863		2	15	10	1	0.74
TS 24864		5	15	10	1	0.68
TS 24865		5	20	20	1	2.37
TS 24866		10	25	15	1	2.10
TS 24867		2	15	2	1	0.57
TS 24868		10	25	15	2	1.28
TS 24869		20	15	25	1	2.85
TS 24870		<2	10	2	1	0.41
TS 24871		10	20	20	1	2.51
TS 24872		10	15	15	1	0.82
TS 24873		115	30	60	2	4.46
TS 24874		55	40	70	1	9.58
TS 24875		30	25	20	1	3.27
TS 24876		25	35	30	1	4.48
TS 24877		2	10	2	1	0.35
TS 24878		10	35	15	1	0.85
TS 24879		10	20	30	<1	1.28
TS 24880		5	20	10	<1	0.46
TS 24881		2	10	10	<1	0.44
TS 24882		2	10	10	<1	0.46
TS 24883		2	10	10	<1	0.56
TS 24884		2	10	20	1	0.97
TS 24885		2	10	5	1	0.46
TS 24886		<2	10	2	<1	0.52
TS 24887		5	15	20	<1	1.31
TS 24888		5	10	5	<1	0.73
TS 24889		5	15	10	1	0.63
TS 24890		5	10	10	1	0.54
Detection Limit:		2	5	2	1	0.01

Comments:



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Address: **P.O. BOX 598**  
**DEVONPORT, TAS. 7310**

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Batch Number: C100

Contact: **MR. J. PEMBERTON**

No. of Samples: 171  
Date Received: 15/03/84  
Date Completed: 23/03/84

Order No. **K 859, KP 3380**

Sample Type: **SOIL**

SAMPLE NUMBER	Element Unit Method	Sn ppm XRF 1A	W ppm XRF 1A	Ba ppm XRF 1A		
TS 24861		<5	10	330		
TS 24862		5	20	210		
TS 24863		<5	20	100		
TS 24864		<5	10	350		
TS 24865		<5	20	280		
TS 24866		<5	10	400		
TS 24867		5	10	370		
TS 24868		5	20	430		
TS 24869		<5	<10	380		
TS 24870		<5	10	390		
TS 24871		<5	10	280		
TS 24872		<5	10	440		
TS 24873		<5	<10	320		
TS 24874		<5	<10	280		
TS 24875		<5	10	400		
TS 24876		<5	10	350		
TS 24877		<5	10	530		
TS 24878		<5	10	680		
TS 24879		<5	10	480		
TS 24880		<5	10	550		
TS 24881		<5	10	580		
TS 24882		<5	20	610		
TS 24883		<5	20	630		
TS 24884		<5	10	490		
TS 24885		<5	20	660		
TS 24886		<5	20	620		
TS 24887		<5	10	390		
TS 24888		<5	20	730		
TS 24889		<5	10	590		
TS 24890		<5	10	130		
Detection Limit:		5	10	10		

Comments:



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Batch Number: **C100**

Contact: **MR. J. PEMBERTON**

No. of Samples: **171**  
Date Received: **15/03/84**  
Date Completed: **23/03/84**

Order No: **K 859, KP 3380** Sample Type: **SOIL**

SAMPLE NUMBER	Element Unit Method	Cu ppm G001	Pb ppm G001	Zn ppm G001	Ag ppm G001	Fe % G001
TS 24891		5	20	35	1	1.85
TS 24892		2	15	35	1	1.60
TS 24893		30	15	30	1	2.49
TS 24894		2	10	<5	1	0.75
TS 24895		2	15	10	1	1.04
TS 24896		5	15	20	1	0.93
TS 24897		30	15	10	1	1.21
TS 24898		10	20	15	1	1.14
TS 24899		5	25	35	1	1.58
TS 24900		5	20	30	1	1.95
TS 24901		2	15	20	<1	1.05
TS 24902		2	20	15	<1	1.02
TS 24903		2	20	10	1	0.87
TS 24904		2	20	10	<1	0.83
TS 24905		<2	15	25	<1	2.45
TS 24906		<2	15	35	<1	2.36
TS 24907		<2	15	30	<1	2.22
TS 24908		10	20	45	<1	3.06
TS 24909		20	20	20	1	4.94
TS 24910		210	40	50	2	10.8
TS 24911		250	35	85	1	10.6
TS 24912		15	20	25	2	4.05
TS 24913		10	20	65	1	4.58
TS 24301		<2	15	10	1	0.96
TS 24302		5	15	10	2	1.16
TS 24303		2	15	15	1	1.04
TS 24304		<2	15	20	1	1.13
TS 24305		2	20	15	<1	1.01
TS 24306		<2	15	15	<1	0.62
TS 24307		2	15	15	1	1.27
Detection Limit		2	5	2	1	0.01

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Client: **GEOPEKO LIMITED,**  
Address: **P.O. BOX 598**  
**DEVONPORT.**

TAS. 7310

Batch Number: C100

Contact: **MR. J. PEMBERTON**

No. of Samples: 171  
Date Received: 15/03/84  
Date Completed: 23/03/84

Order No: **K 859, KP 3380**

Sample Type: **SOIL**

SAMPLE NUMBER	Element Unit Method	Sn ppm XRF 1A	W ppm XRF 1A	Ba ppm XRF 1A		
TS 24891		<5	10	790		
TS 24892		<5	10	590		
TS 24893		<5	10	470		
TS 24894		<5	40	110		
TS 24895		<5	10	340		
TS 24896		<5	10	330		
TS 24897		<5	20	300		
TS 24898		<5	10	470		
TS 24899		<5	20	260		
TS 24900		<5	10	410		
TS 24901		<5	20	360		
TS 24902		<5	20	210		
TS 24903		<5	10	370		
TS 24904		<5	10	370		
TS 24905		5	10	650		
TS 24906		<5	10	520		
TS 24907		<5	10	490		
TS 24908		<5	10	530		
TS 24909		<5	10	530		
TS 24910		<5	<10	90		
TS 24911		<5	<10	170		
TS 24912		<5	10	650		
TS 24913		5	10	670		
TS 24301		<5	<10	540		
TS 24302		<5	<10	500		
TS 24303		5	10	540		
TS 24304		<5	20	440		
TS 24305		<5	20	420		
TS 24306		<5	20	420		
TS 24307		<5	10	510		
Detection Limit		5	10	10		

Comments



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*G J Helmsler*



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CONSULTING ANALYTICAL CHEMISTS

## LABORATORY REPORT

Office & Laboratory  
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PO Box 66,  
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Phone: (07) 352 5577  
Telex: ALSEV 42344

ent  
address: **GEOPEKO LIMITED,  
P.O. BOX 598  
DEVONPORT. TAS. 7310**

Page 9 of 12

**Batch Number: C100**

ntact: **MR. J. PEMBERTON**

No. of Samples: **171**  
Date Received: **15/03/84**  
Date Completed: **23/03/84**

der No. **K 859, KP 3380** Sample Type: **SOIL**

SAMPLE NUMBER	Element Unit Method	Cu ppm G001	Pb ppm G001	Zn ppm G001	Ag ppm G001	Fe % G001
TS 24308		<2	10	15	1	0.76
TS 24309		2	25	35	1	3.68
TS 24310		<2	5	2	<1	0.37
TS 24311		<2	10	15	<1	0.54
TS 24312		<2	15	10	1	1.28
TS 24313		15	15	10	1	1.86
TS 24314		<2	15	5	<1	0.91
TS 24315		<2	15	10	<1	0.82
TS 24316		<2	15	15	1	1.30
TS 24317		2	20	10	<1	0.55
TS 24318		2	20	15	1	1.47
TS 24319		<2	15	10	<1	0.67
TS 24320		<2	10	<2	<1	0.30
TS 24321		2	15	10	<1	1.17
TS 24322		<2	15	20	1	2.82
TS 24323		2	15	10	1	1.07
TS 24324		<2	15	5	<1	0.73
TS 24325		<2	20	25	1	4.62
TS 24326		2	15	20	<1	2.48
TS 24327		2	20	40	<1	4.35
TS 24328		2	15	15	<1	1.70
TS 24329		5	15	15	1	2.04
TS 24330		5	15	10	1	1.45
TS 24331		<2	15	20	1	2.60
TS 24332		<2	10	5	<1	0.24
TS 24333		10	15	15	<1	1.80
TS 24334		10	60	15	<1	1.70
TS 24335		<2	15	5	<1	0.33
TS 24336		<2	15	2	<1	0.37
TS 24337		<2	15	15	<1	0.59
Detection Limit		2	5	2	1	0.01

Comments:



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Page 10 of 12

Client: **GEOPEKO LIMITED,**  
Address: **P.O. BOX 598**  
**DEVONPORT, TAS. 7310**

Batch Number: **C100**

Contact: **MR. J. PEMBERTON**

No. of Samples: **171**  
Date Received: **15/03/84**  
Date Completed: **23/03/84**

Order No. **K 859, KP 3380**

Sample Type: **SOIL**

SAMPLE NUMBER	Element Unit Method	Sn ppm XRF 1A	W ppm XRF 1A	Ba ppm XRF 1A		
TS 24308		<5	20	450		
TS 24309		<5	20	870		
TS 24310		<5	40	290		
TS 24311		<5	30	290		
TS 24312		<5	20	350		
TS 24313		<5	10	380		
TS 24314		<5	10	420		
TS 24315		<5	10	320		
TS 24316		<5	20	240		
TS 24317		<5	20	290		
TS 24318		<5	10	420		
TS 24319		<5	10	420		
TS 24320		<5	10	320		
TS 24321		<5	20	210		
TS 24322		<5	30	130		
TS 24323		<5	30	220		
TS 24324		<5	10	270		
TS 24325		<5	20	200		
TS 24326		<5	20	250		
TS 24327		<5	10	300		
TS 24328		<5	10	250		
TS 24329		5	10	320		
TS 24330		<5	30	90		
TS 24331		<5	10	240		
TS 24332		<5	10	460		
TS 24333		<5	10	520		
TS 24334		<5	10	720		
TS 24335		5	10	820		
TS 24336		<5	20	460		
TS 24337		<5	20	490		
Detection Limit		5	10	10		

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Page 11 of 12

Client: **GEOPEKO LIMITED,**  
Address: **P.O. BOX 598**  
**DEVONPORT, TAS. 7310**

Batch Number: **C100**

Contact: **MR. J. PEMBERTON**

No. of Samples: **171**  
Date Received: **15/03/84**  
Date Completed: **23/03/84**

Order No: **K 859, KP 3380** Sample Type: **SOIL**

SAMPLE NUMBER	Element Unit Method	Cu ppm G001	Pb ppm G001	Zn ppm G001	Ag ppm G001	Fe % G001
TS 24338		2	15	15	<1	0.85
TS 24339		<2	10	5	<1	0.44
TS 24340		2	20	15	<1	0.52
TS 24341		2	15	10	<1	0.45
TS 24342		<2	10	5	<1	0.35
TS 24343		15	10	5	<1	1.09
TS 24344		<2	15	10	<1	0.54
TS 24345		5	15	15	<1	0.73
TS 24346		5	20	10	1	0.81
TS 24347		2	10	10	<1	0.39
TS 24348		2	15	10	<1	0.50
TS 24349		15	15	25	1	0.89
TS 24350		5	15	10	<1	0.72
TS 24351		N.R.	N.R.	N.R.	N.R.	N.R.
TS 24352		N.R.	N.R.	N.R.	N.R.	N.R.
TS 24353		N.R.	N.R.	N.R.	N.R.	N.R.
TS 24354		N.R.	N.R.	N.R.	N.R.	N.R.
TS 24355		N.R.	N.R.	N.R.	N.R.	N.R.
TS 24356		N.R.	N.R.	N.R.	N.R.	N.R.
TS 24357		N.R.	N.R.	N.R.	N.R.	N.R.
TS 24358		N.R.	N.R.	N.R.	N.R.	N.R.
Detection Limit		2	5	2	1	0.01

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Client: **GEOPEKO LIMITED,**  
Address: **P.O. BOX 598**  
**DEVONPORT, TAS. 7310**

Batch Number: **0100**

Contact: **MR. J. PEMBERTON**

No. of Samples: **171**  
Date Received: **15/03/84**  
Date Completed: **23/03/84**

Order No: **K 859, KP 3380**

Sample Type: **SOIL**

SAMPLE NUMBER	Element Unit Method	Sn ppm XRF 1A	M ppm XRF 1A	Ba ppm XRF 1A		
TS 24338		<5	30	370		
TS 24339		<5	20	500		
TS 24340		<5	40	480		
TS 24341		<5	20	430		
TS 24342		<5	30	610		
TS 24343		<5	10	560		
TS 24344		<5	10	610		
TS 24345		<5	20	390		
TS 24346		<5	40	190		
TS 24347		<5	10	490		
TS 24348		<5	20	330		
TS 24349		<5	10	470		
TS 24350		<5	20	420		
TS 24351		N.R.	N.R.	500		
TS 24352		N.R.	N.R.	N.R.		
TS 24353		N.R.	N.R.	N.R.		
TS 24354		N.R.	N.R.	N.R.		
TS 24355		N.R.	N.R.	N.R.		
TS 24356		N.R.	N.R.	N.R.		
TS 24357		N.R.	N.R.	N.R.		
TS 24358		N.R.	N.R.	N.R.		
Detection Limit		5	10	10		

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APPENDIX 2

PANNED CONCENTRATE SAMPLE RESULTS

022

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Page 1 of 2

Client  
Address

GEOPEKO LIMITED,  
 P.O. BOX 598  
 DEVONPORT. TAS. 7310

**Batch Number: C103**

Contact

MR. J. PEMBERTON

No. of Samples: 8  
 Date Received: 15/03/84  
 Date Completed: 22/03/84

Order No.

K 860, KP 3381

Sample Type: SOIL

SAMPLE NUMBER	Element Unit Method	Cu ppm G001	Pb ppm G001	Zn ppm G001	Au ppb PM204	Sn ppm XRF 1A
TD 10501		2	5	2	<3	<5
TD 10502		2	10	5	<3	<5
TD 10503		2	5	2	<3	<5
TD 10504		5	10	5	<3	<5
TD 10505		5	25	5	<3	<5
TD 10506		5	10	5	<3	<5
KR 11169		5	15	10	<3	<5
KR 11170		5	15	5	<3	<5
Detection Limit		2	5	2	3	5

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Client:  
Address

**GEOPEKO LIMITED,**  
**P.O. BOX 598**  
**DEVONPORT, TAS. 7310**

Page 2 of 2

**Batch Number: C103**

Contact

**MR. J. PEMBERTON**

No. of Samples: **8**  
Date Received: **15/03/84**  
Date Completed: **22/03/84**

Order No

**K 860, KP 3381**

Sample Type: **SOIL**

SAMPLE NUMBER	Element Unit Method	W ppm XRF 1A				
TD 10501		10				
TD 10502		10				
TD 10503		20				
TD 10504		20				
TD 10505		20				
TD 10506		20				
KR 11169		70				
KR 11170		80				
Detection Limit		10				

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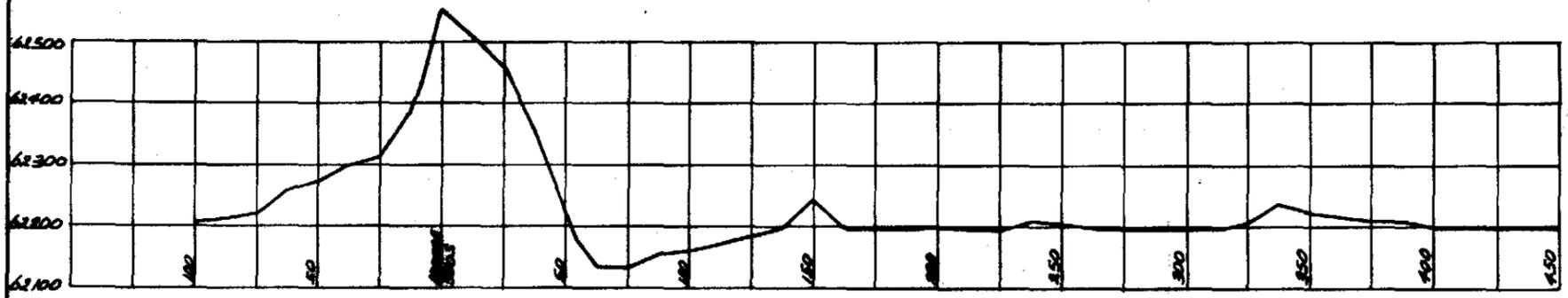
*G J Kilmister*

024

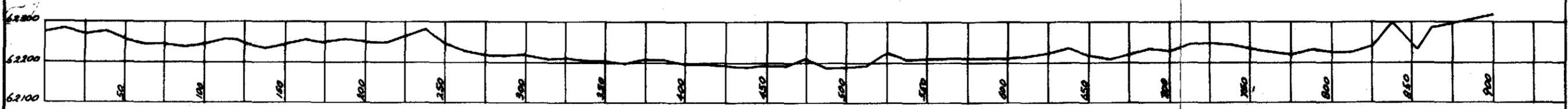
404025



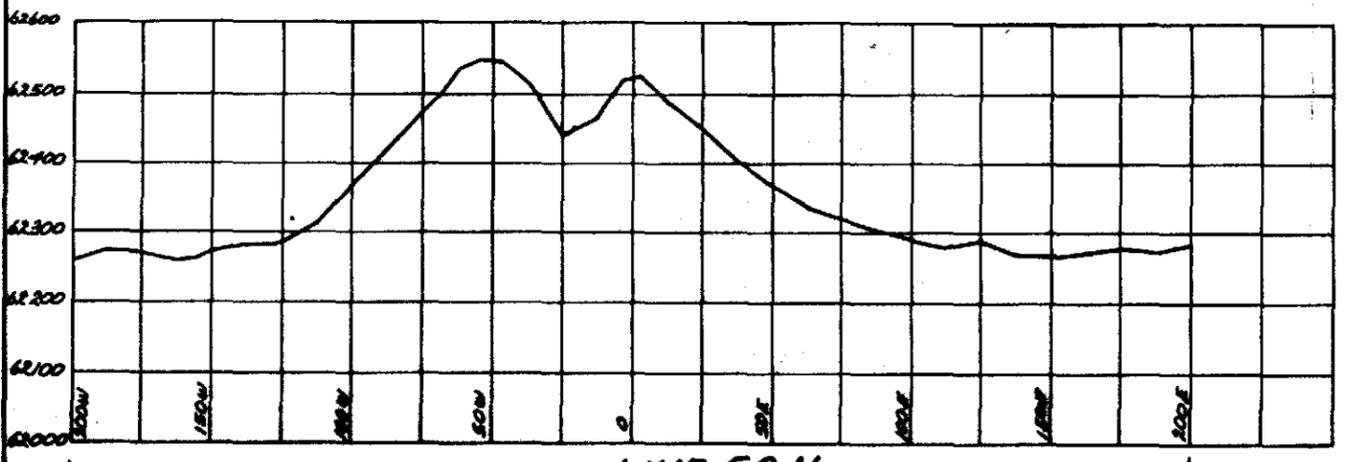
BASE LINE ON



LINE 500S



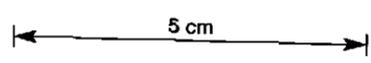
LINE 300S



LINE 50N

T.S. 24904 → C-NOMINATION SAMPLE NOS →

T.S. 24904



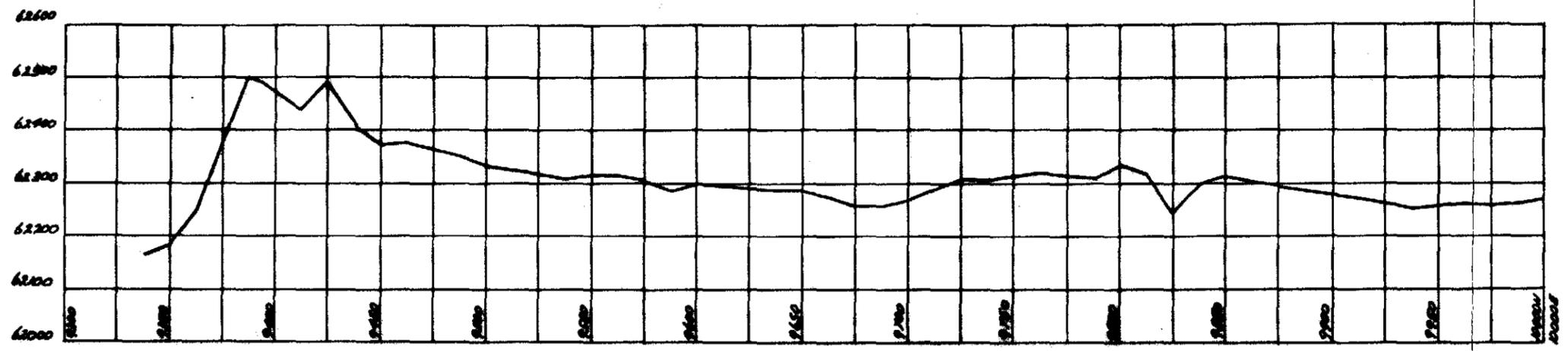
SCALE  
 1cm VERTICAL = 100MT  
 1:2500 HORIZONTAL

MAGNETIC PROFILES  
 FOR BOLT 1 + SOIL SAMPLE  
 LOCALITIES

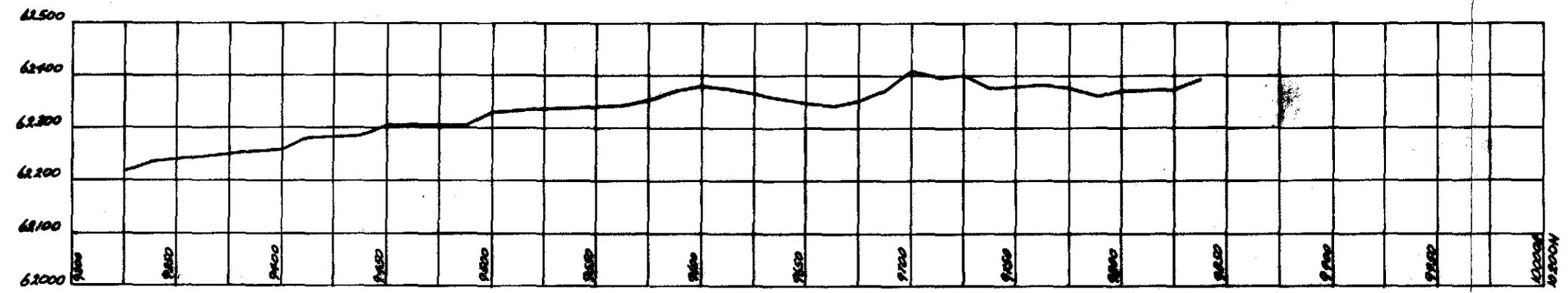
FIG 1



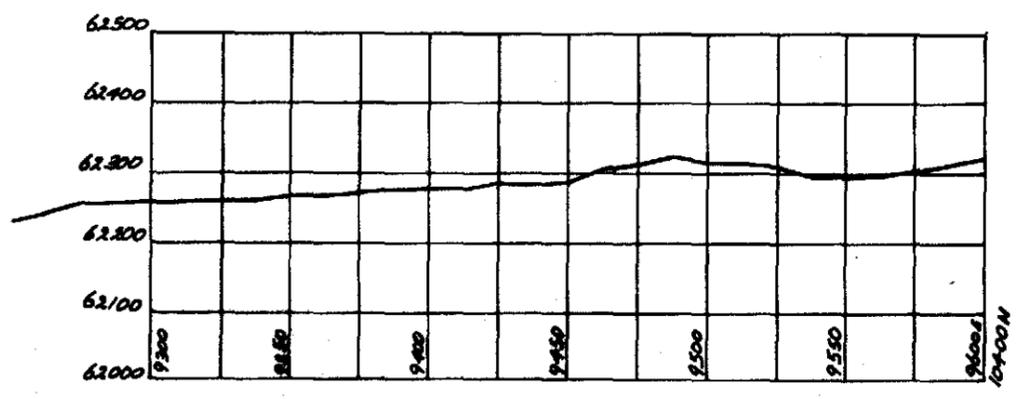
026



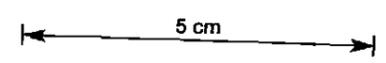
SOUTHERN LINE



MIDDLE LINE



NORTHERN LINE



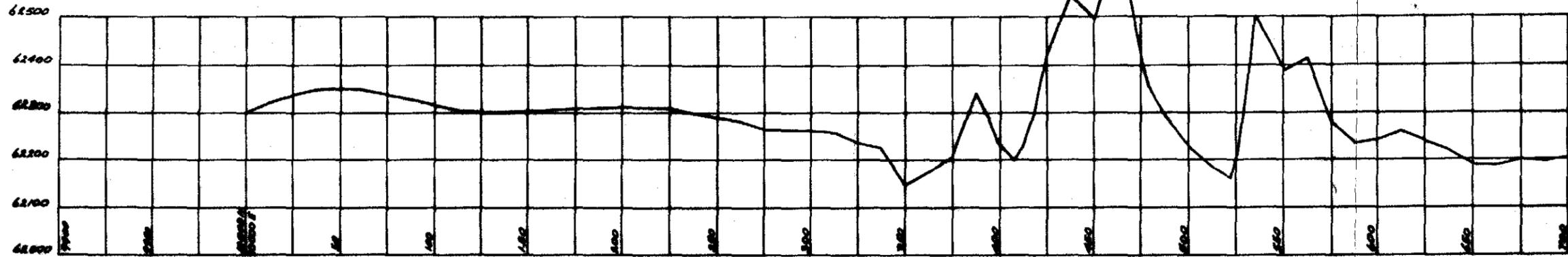
SCALE  
 1cm VERTICAL = 100GT  
 1:2500 HORIZONTAL

MAGNETIC PROFILES  
 BOLT 5

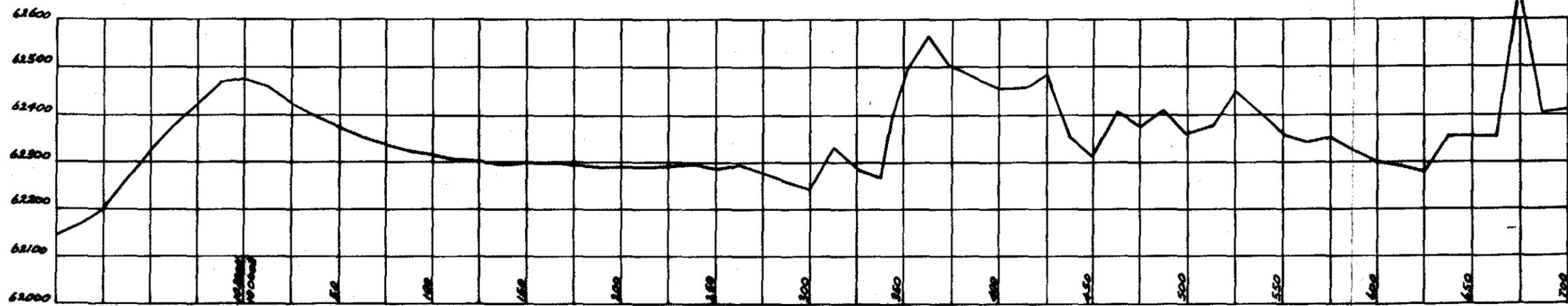
FIG 3

027

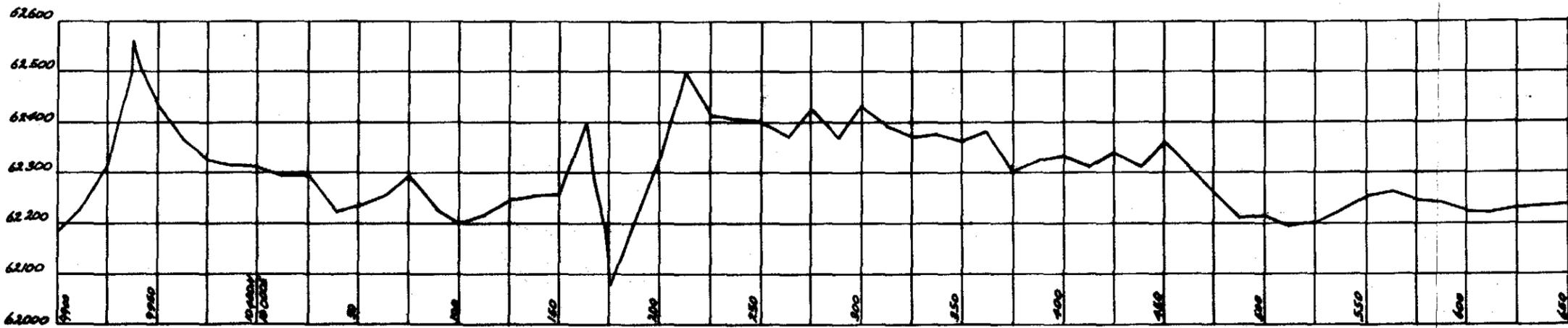
404028



SOUTHERN LINE



MIDDLE LINE



NORTHERN LINE

TS 24301 → C HORIZON SAMPLE Nos. →

TD → TS 2431

5 cm

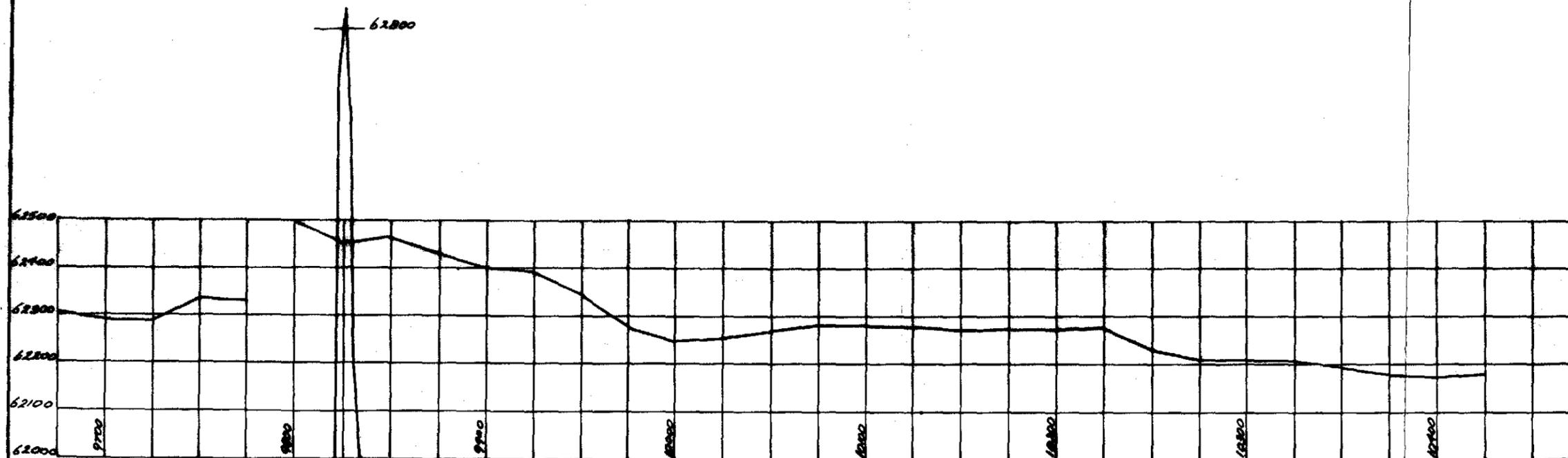
SCALE  
1cm VERTICAL = 100MT  
1:2500 HORIZONTAL

MAGNETIC PROFILES  
FOR BOLT 6 + SOIL SAMPLE  
LOCALITIES

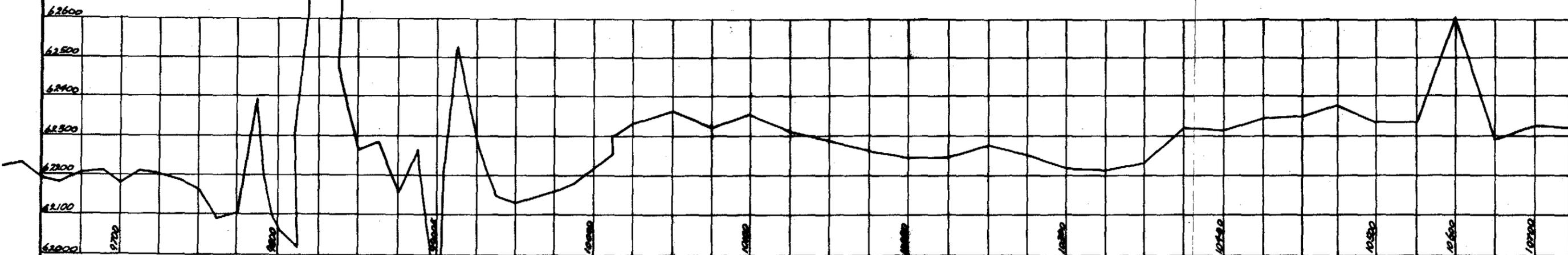
FIG 4

028

404029



LINE 1 10250 N



LINE 2 (350m S. OF LINE 1) 9900 N

TS 24891 ←

C HORIZON SAMPLE No. 5 ←

← TS 24877

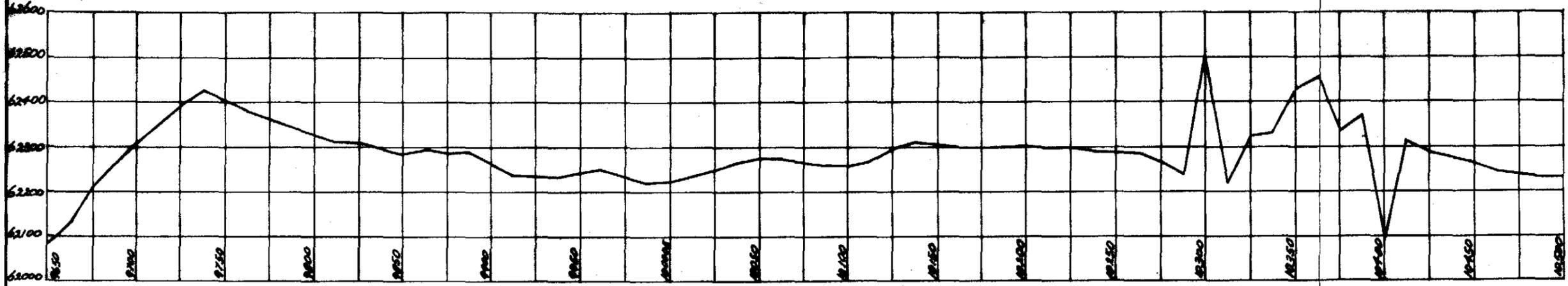
5 cm

SCALE  
1cm VERTICAL = 100 AT  
1:2500 HORIZONTAL

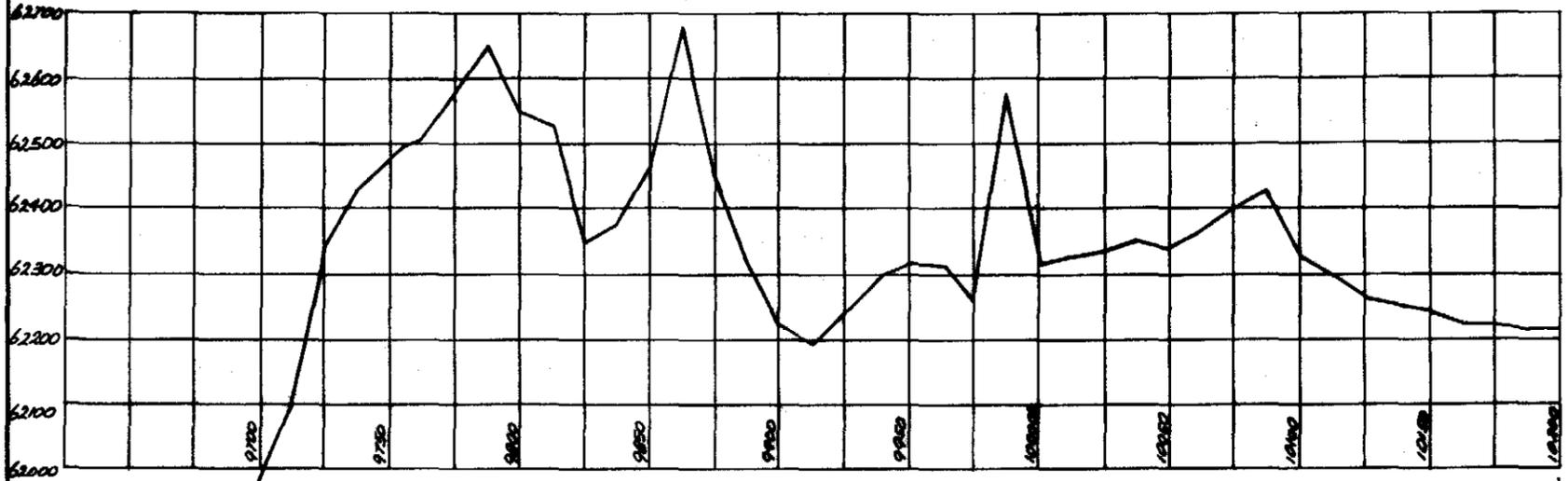
MAGNETIC PROFILES  
FOR BOLT 7 + SOIL SAMPLE  
LOCALITIES

FIG 5

029



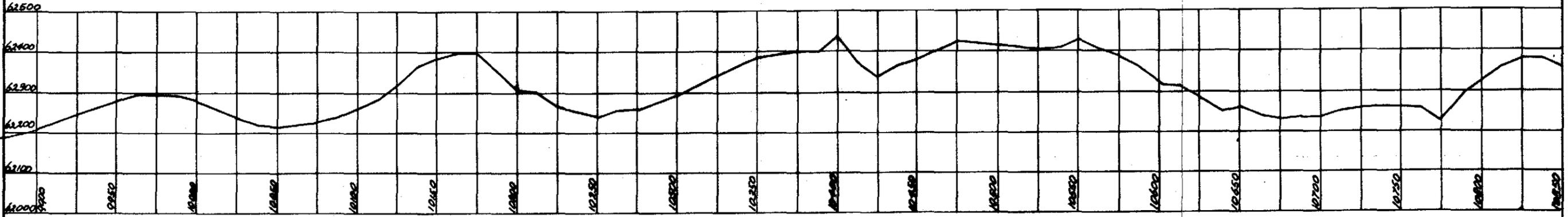
LINE 10000 N



LINE 10400 N

TS 24332 → C HORIZON SAMPLE No'S →

→ To TS 24802



LINE 9700 N

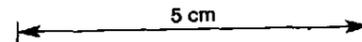
5 cm

SCALE  
1cm VERTICAL = 100MT  
1:2500 HORIZONTAL

MAGNETIC PROFILES  
FOR BOLT B + SOIL SAMPLE  
LOCALITIES  
FIG 6

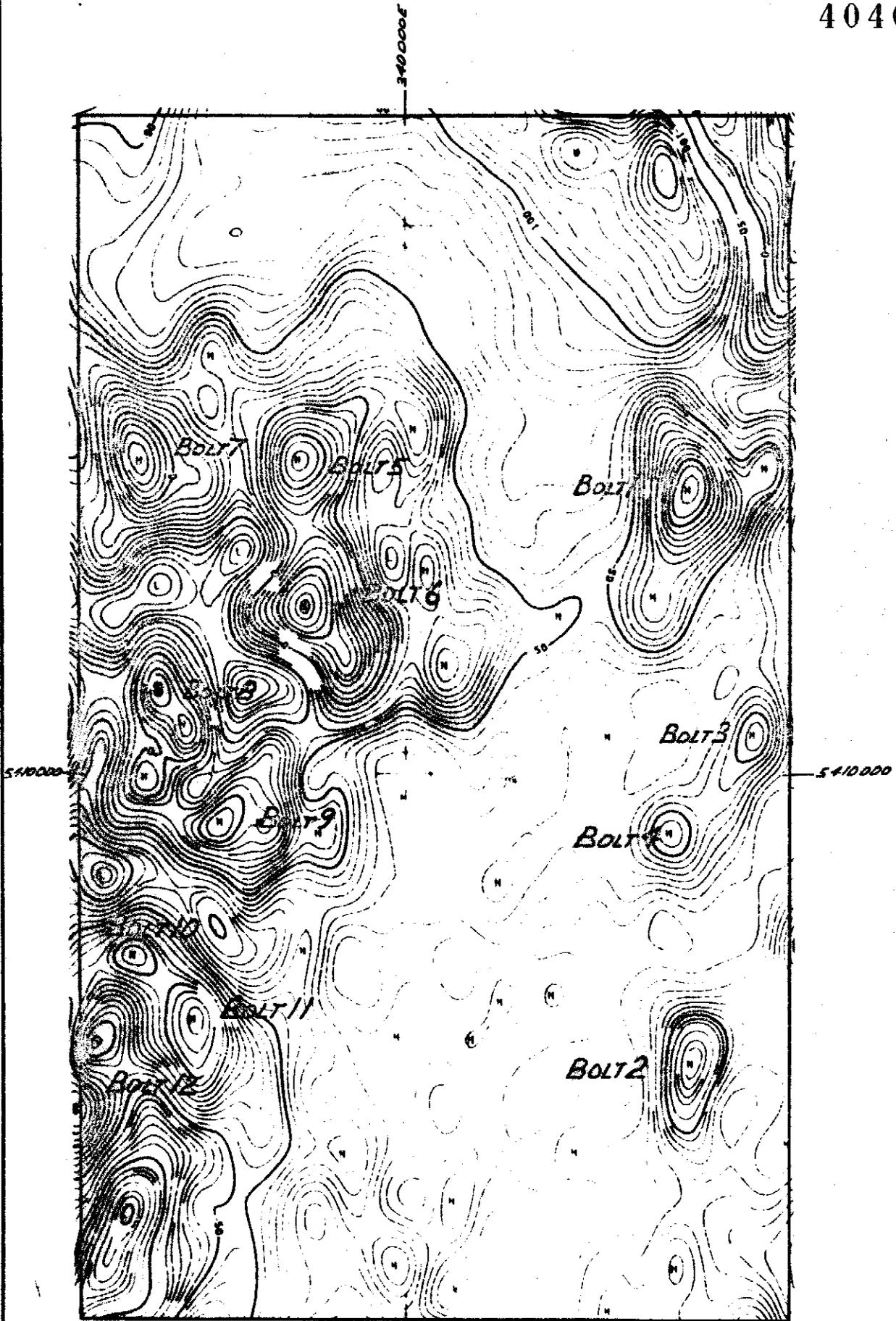


LINE 10000 N



SCALE  
 1cm VERTICAL = 100G  
 1:2500 HORIZONTAL

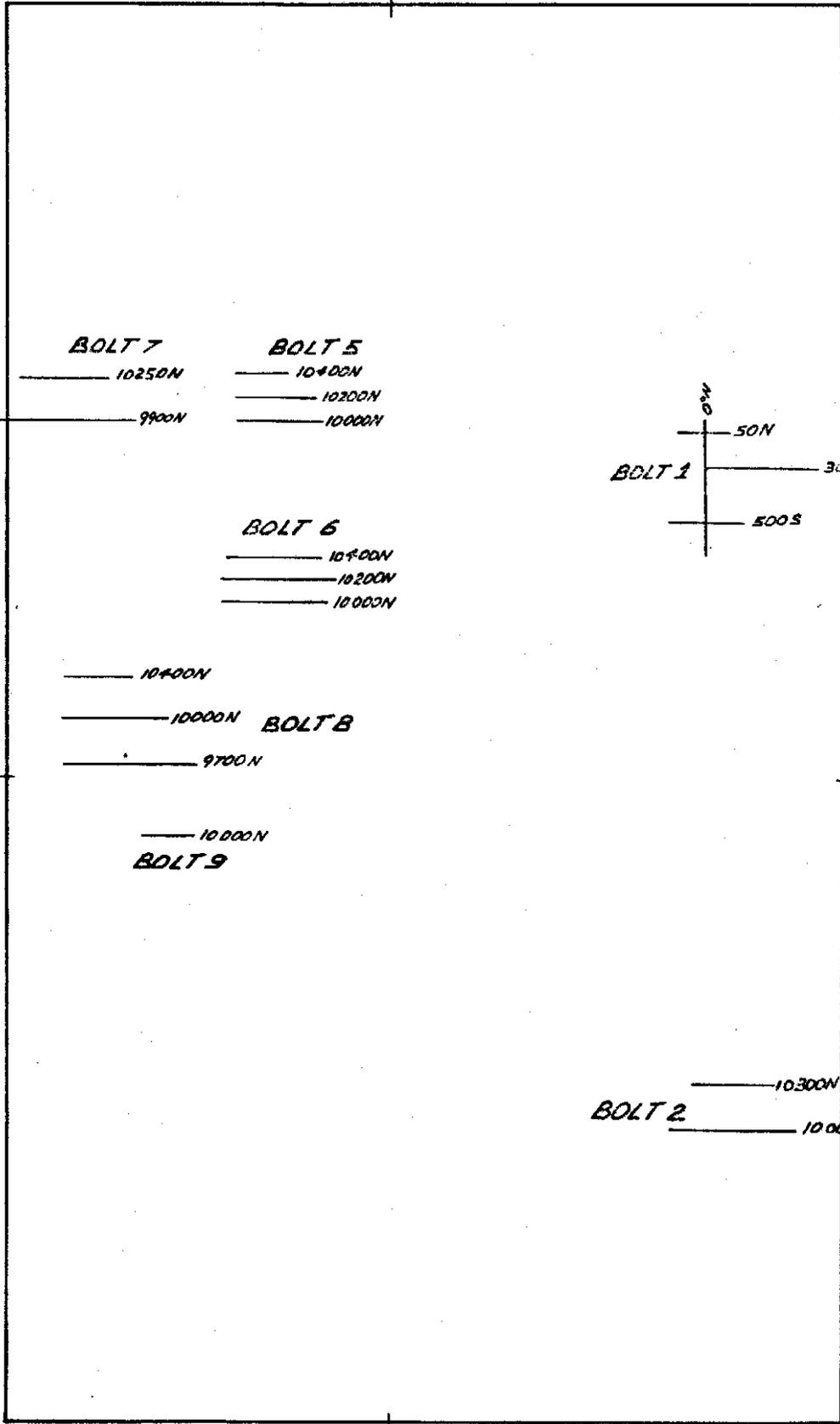
MAGNETIC PROFILES  
 FOR BOLT 9.  
 BOLT 9 150m SOUTH OF LINE  
 9700 BOLT B FIG 7.



MT BOLTON E.L. 17/83  
 TASMANIA  
 1:50000  
 AEROMAGNETICS  
 + PROSPECT MAP  
 PLAN 1.

032

340000E



5410000

5410000

340000E

5 cm

Mt BOLTON E.L 17/83  
 TASMANIA  
 1:50000  
 PROSPECT MAP WITH  
 RECONNAISSANCE GRIDS  
 PLAN 2