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No. 3131

EL 362

LAKE GAIRDNER

**FINAL REPORT AT LICENCE SURRENDER
FOR THE PERIOD 17/10/1977 TO 10/3/1978**

Submitted by
CRA Exploration Pty Ltd
1978

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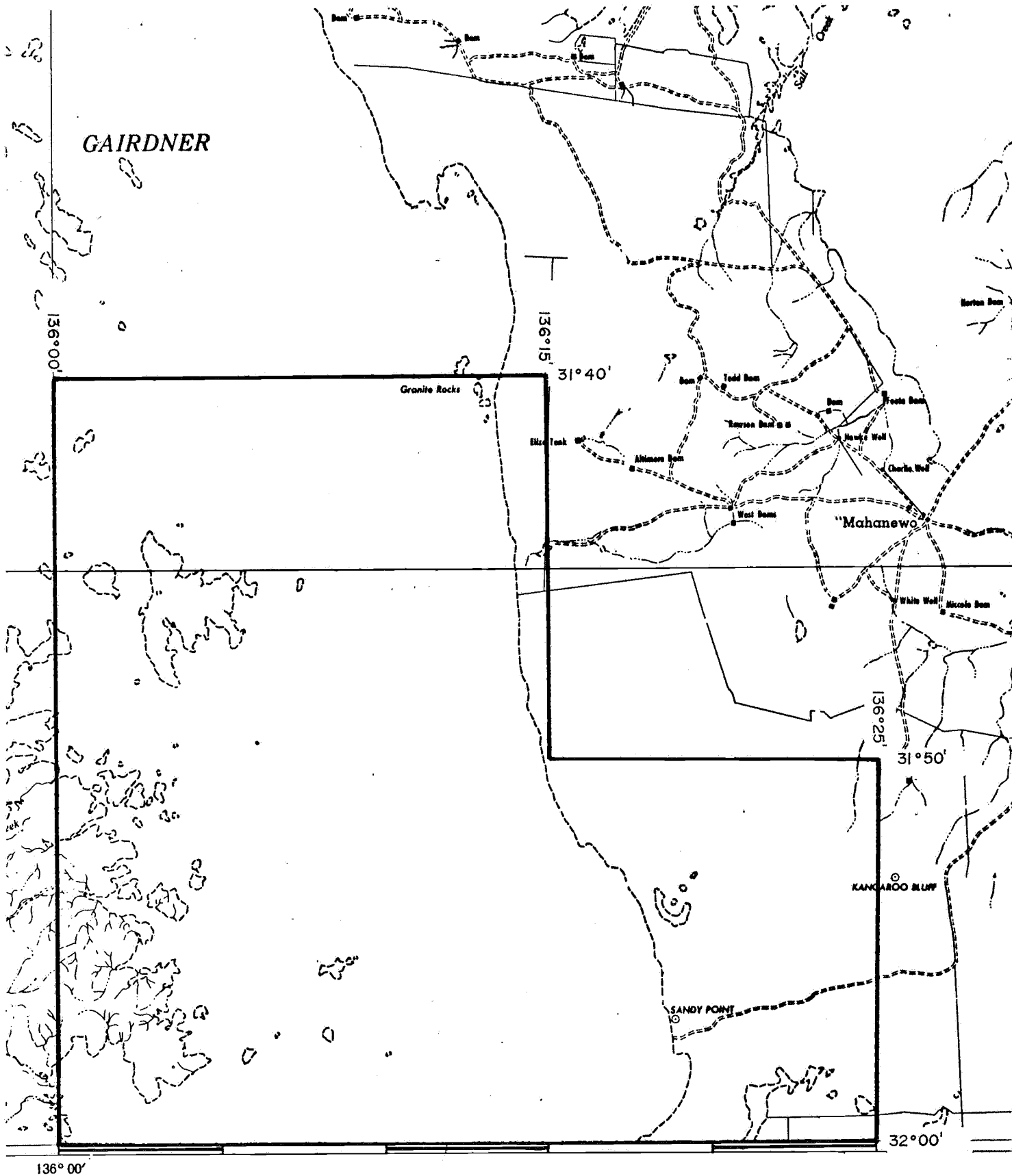
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Facsimile: (08) 8204 1880



Government of South Australia
Primary Industries and Resources SA

SCHEDULE A



SCALE 1:250 000

KILOMETRES 5 0 5 10 15 20 25 KILOMETRES

APPLICANT: C.R.A. EXPLORATION PTY. LIMITED

D.M.: 319/77

AREA: 1166

Square kilometres

1:250 000 PLANS:

GAIRDNER

SURRENDERED

LOCALITY: LAKE GAIRDNER AREA — APPROX. 90km. S.W. OF WOOMERA

EXPIRY DATE: 16.10.78

SURRENDERED

E.L. No.:

362

CONTENTS ENVELOPE 3131TENEMENT: E.L. NO. 362TENEMENT HOLDER: CRA Expl. Pty. Ltd.REPORT: Final Report

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C.R.A. EXPLORATION PTY. LIMITED

FINAL REPORT ON LAKE GAIRDNER E.L. 362,
SOUTH AUSTRALIA

Author: G.D. KLINGNER

Submitted to: J. COLLIER

Date: 22nd December, 1977.



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1. INTRODUCTION

Exploration Licence EL 362 covers an area of 1166 square kilometres over Lake Gairdner situated approximately 400 km north west of Adelaide, Plan No. S.A.a 147. Title was granted to the area on 16th October, 1977.

The ground was applied for to cover a 6 milligal residual gravity anomaly observed on the published Gairdner 1:250,000 Gravity Station Value Sheet. It was considered that the anomaly may have been associated with Roxby Downs type mineralisation. This report sets out the work carried out on the title and the conclusions reached.

2. GEOLOGY

EL 362 covers portion of the western fringe of the Stuart Shelf where flat lying sediments of Adelaidean age lap onto Gawler Range Volcanics.

Outcrop in the area is virtually nil apart from small islands of dark red brown Yardea Dacite to the west and south west and Quarternary gypsiferous sand dunes along the eastern margin of the lake.

To the east of the EL however, outcrops of massive to flaggy grey sandstone of the Simmons Quartzite Member of Marinoan Age were observed to outcrop.

3. GEOPHYSICS

Solo Geophysics and Co. were contracted to carry out a ground magnetic and gravity survey. A 12 km by 12 km grid was pegged centred over the residual gravity anomaly detected on the 1:250,000 sheet (Plan S.A.a 147). Gravity stations were spaced at 500 m intervals along north-south lines 2 km apart. Magnetic stations were spaced at 125 m intervals along lines 2 km apart.

A copy of the results are appended to this report.

The magnetics are dominated by a major north west - south east trending high which is portion of a major linear feature detectible on the State 1:1,000,000 map (Plan S.A.a 148).

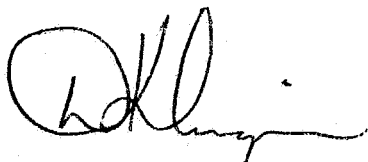
Apart from this feature the magnetics are not very informative (Appendix 1 profiles and Plan S.A.a 148).

The gravity results are shown on Plan S.A.a 149 and in profile form in Appendix 1. No marked features are apparent. There is an indication of a broad fairly weak gravity high in the southern portion of the area centred on line 8W. This high is too far displaced and in any case is not large enough to correspond with the one shown on the regional survey.

4. CONCLUSIONS & RECOMMENDATIONS

There is no feature of either the ground magnetic survey or the gravity survey to suggest mineralisation might occur within the surveyed area. Apart from the large linear magnetic feature which is probably a basic dyke there is nothing to suggest that there is any significant variation in the geology in this area from the regional setting of a thin veneer of Simmens Quartzite lying on Yardea Dacite. Even the quartzite may be absent here.

The residual gravity high shown on the 1:250,000 Gairdner Sheet (Station Identification No. 69E5.1922) was not confirmed by more detailed work. There is a suggestion from the original field data (C. Anderson, South Australian Mines Department pers comm) that this station and other stations on the same line have barometric levelling errors. It is concluded therefore that as the anomaly for which the title application was originally made has been shown not to exist, Exploration Licence 362 should be relinquished.



G.D. KLINGNER

LIST OF ATTACHMENTS

Appendix 1: Gravity Levelling & Magnetic Survey.

Plan S.A.a 147: Geophysical Grid, Lake Gairdner EL 362.

Plan S.A.a 148: Geophysical Grid Mag. Lake Gairdner.

Plan S.A.a 149: Geophysical Grid Gravity Lake Gairdner.

Appendix 1

C.R.A. EXPLORATION PTY.LTD.

GRAVITY LEVELLING AND MAGNETIC SURVEY

AREA: LAKE GAIRDNER S.AUST.

E.L. No. ~~326~~ 362

PERIOD: AUGUST/NOVEMBER 1977

FIELD NOTESGRAVITY, MAGNETICS AND LEVELLING SURVEY

Area: Lake Gairdner S.Aust. E.L. No. ~~326~~ 362

Equipment used during the course of the survey included
 a Suzuki FWD vehicle fitted with balloon tyres and an
 accurate distance meter calibrated for the tyre size.
 A Honda tricycle to complete the survey after the rains.
 A Worden gravity meter No. 274 Cal. .09161 Mg/S div.
 A Lacoste " " No. G-37 " as per chart encl.
 A Pentax precision automatic level and staff.
 A Topofil cotton chain distance measuring device.

Access: Across country, see details on enclosed map.

Grid layout: Latitude control from fence north of the grid.
 Grid lines 12Km long, 2Km apart running true north.
 Lines 00W to 12W extend 6Km N/S of base line 00S.
 Baseline extends from 12W to 0.7E
 Crosslines are pegged at 250m intervals.
 A headland on line 00W was also used as a further latitude control.
 See details on enclosed map in pocket on back cover.
 Latitude of baseline is 31.833 decimal degrees south.

Conditions of lake surface:

Hard salt west of drainage path roughly indicated on the map.
 Rain halted survey in August, restarted survey in November.

Magnetics: Taken at 125m stations with drift and level corrections applied.

A Geometrics proton magnetometer was used.

Gravity: Gravity stations at 500m intervals.

A Worden meter was used for the initial survey. A Lacoste was used to complete the project.

00W/00S was used as initial gravity base station. This was tied to 4W/ 00S with the Worden and this instrument was used to survey lines 00W and 4W.

The Lacoste was used to survey lines 6W, 8W, 10W, 12W.

00S/4W was used as the base station.

A tie was made between 00S/00W and 00S/.7E (the permanent marker)

All data was calculated relative to 00S/.7E

Because of the drainage the tie between 00S/00W & 00S/4W was not repeated with the Lacoste.

An elevation of 100m was assumed for 00W/00S.

The level of 00S/.7E is 101.395m and indicated by a dumpy peg set in concrete at the base of a steel dropper.

The Survey: A total of three days organisation, four days travel one supply day and fifteen and a half field operating days were required to complete the survey.

NB. Lines 6W, 8W, 10W and 12W were considered flat and an elevation of 98.7m was used in the calculations.

P.

SOLO GEOPHYSICS AND CO. GRAVITY SURVEY

METER: WORDEN No. 274

METER CALIBRATION: .09161 Mg/S div.

BOUGUER DENSITY: 2.2 2.4 2.67 gms/cc.

DRIFT CORRECTION: -1.14 Scale div/hr

AREA MAGNETIC VARIATION: 7° E

BASE STATION: 700E/OOS

BASE NOMINAL GRAV:

BASE NOMINAL ELEVN:

OPERATOR: G. Rau.

BASE LATITUDE: 31° 49' 58" S

DATE: ^{29th} August & November 1977

[illegible]

Notes:

P₂.

METER: WORDEN No. 274

METER CALIBRATION: .09161 Mg/S div.

BOUGUER DENSITY: 2.2 2.4 2.67 gms/cc.

DRIFT CORRECTION: 0.18 Scale div/hr

AREA MAGNETIC VARIATION: 7° E

OPERATOR: G. Rau.

DATE: ²⁹ August & ~~November~~ 1977

DATE: ²⁹ August & ~~November~~ 1977

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Δ

Notes:

P 3.

SOLO GEOPHYSICS AND CO. GRAVITY SURVEY

METER: WORDEN No. 274

METER CALIBRATION: .09161 Hg/S div.

BOUGUER DENSITY: 2.2 2.4 2.67 gms/cc.

DRIFT CORRECTION: 0.0 Scale div/hr

AREA MAGNETIC VARIATION: 7° E

BASE STATION: 700E/00S

BASE NOMINAL GRAV:

BASE NOMINAL ELEVN:

OPERATOR: G. Rau.

BASE LATITUDE: 31° 49' 58" S

DATE: ^{29th} August & November 1977

[illegible]

Notes:

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SOLO-GEOPHYSICS AND CO. GRAVITY SURVEY

P4.

METER: WORDEN No. 274

METER CALIBRATION: .09161 ug/S div.

BOUGUER DENSITY: 2.2 2.4 2.67 gms/cc.

DRIFT CORRECTION: 0.30 Scale div/hr

AREA MAGNETIC VARIATION: 7° E

BASE STATION: 700E/OOS

BASE NOMINAL GRAV:

BASE NOMINAL ELEVN:

OPERATOR: G. Rau.

BASE LATITUDE: 31° 49' 58" S

DATE: August & November 1977

[illegible]

Notes:

T_m

METER: WORDEN No. 274

METER CALIBRATION: .09161 Mg/S div.

BOUGUER DENSITY: 2.2 2.4 2.67 gms/cc.

DRIFT CORRECTION: 0 Scale div/hr

AREA MAGNETIC VARIATION: 7° E

AREA MAGNETIC VARIATION: 7° E

OPERATOR: G. Rau.

DATE: 29th August & ~~November~~ 1977

DATE: 29th August & ~~November~~ 1977

 Δ_2

Notes:

SOLO GEOPHYSICS AND CO. GRAVITY SURVEY

METER: LACOSTE No. G- 37

METER CALIBRATION: as per chart

BOUGUER DENSITY: 2.2 2.4 2.67 gms/cc.

DRIFT CORRECTION: Scale div/nr

AREA MAGNETIC VARIATION: 7° E

AREA MAGNETIC VARIATION: 7° E

BASE NOMINAL GRAV:

BASE NOMINAL ELEVN:

OPERATOR: G. Rau.

BASE LATITUDE: 31 49' 58" S

DATE: ~~August~~ & November 1977

Notes:

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DATE: ~~August~~ & November 1977

Notes:

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SOLO GEOPHYSICS AND CO. GRAVITY SURVEY

R8

CLIENT: CRA EXPLORATION

METER: LACOSTE No. G- 37

AREA: E.L. 362

METER CALIBRATION: as per chart

GRID: Lake Gairdner

BOUGUER DENSITY: 2.2 2.4 2.67 gms/cc.

LINE: 8000 W

DRIFT CORRECTION: Scale div/hr

LINE MAGNETIC BRG: 353°

AREA MAGNETIC VARIATION: 7° E

BASE STATION: 700E/OOS

BASE NOMINAL GRAV:

BASE NOMINAL ELEVN:

OPERATOR: G.Rau.

BASE LATITUDE: 31° 49' 58" S

DATE: August & November 1977

Station	Obs. Grav. s./divs.	Time	Elevn.	BOUGUER GRAV.		
				P ₁	P ₂	P ₃
6000 N	2961.18	8:37	98.70	0.52	0.55	0.58
* 5000 N	62.86	8:49		1.57	1.60	1.62
* 5500	61.77	8:44		0.79	0.81	0.84
4500	63.29	8:55		1.66	1.69	1.72
4000	63.67	9:00		1.70	1.72	1.75
3500	64.32	9:05		2.02	2.04	2.07
3000	64.85	9:10		2.22	2.24	2.27
2500	65.31	9:14		2.34	2.36	2.39
2000	66.15	9:17		2.86	2.88	2.91
1500	66.66	9:22		3.03	3.05	3.08
✓ 1000	66.65	9:26		2.66	2.68	2.71
500	67.74	9:31		3.44	3.46	3.49
00	68.07	9:36		3.43	3.45	3.48
500 S	68.70	9:41		3.72	3.75	3.78
1000	69.14	9:45		3.83	3.85	3.88
1500	70.07	9:49		4.44	4.46	4.49
2000	70.68	9:54		4.72	4.74	4.77
2500	70.81	9:59		4.50	4.52	4.55
3000	71.35	10:34		4.72	4.74	4.77
3500	72.06	10:08		5.08	5.11	5.14
4000	73.61	10:13		6.35	6.37	6.40
4500	73.38	10:22		5.75	5.77	5.80
5000	73.83	10:49		5.87	5.89	5.92
5500	74.37	10:54		6.08	6.10	6.13
6000 S	74.74	11:00		6.11	6.13	6.16

Notes:

12

SOLO GEOPHYSICS AND CO. GRAVITY SURVEY

METER: LACOSTE No. G- 37

METER CALIBRATION: as per chart

BOUGUER DENSITY: 2.2 2.4 2.67 gms/cc.

DRIFT CORRECTION: 0.0% Scale div/hr

AREA MAGNETIC VARIATION: 7° E

BASE STATION: 700E/00S

BASE NOMINAL GRAV:

BASE NOMINAL ELEVN:

OPERATOR: G. Rau.

BASE LATITUDE: 31° 49' 58" S

DATE: ~~August~~ & November 1977

[illegible]

Notes:

P10.

SOLO GEOPHYSICS AND CO. GRAVITY SURVEY

CLIENT: CRA EXPLORATION

METER: LACOSTE No. G- 37

AREA: E.L. 362

METER CALIBRATION: as per chart

GRID: Lake Gairdner

BOUGUER DENSITY: 2.2 2.4 2.67 gms/cc.

LINE: 10,000 W.

DRIFT CORRECTION: -0.01 Scale div/hr

LINE MAGNETIC BRG: 353°

AREA MAGNETIC VARIATION: 7° E

BASE STATION: 700E/00S

BASE NOMINAL GRAV:

BASE NOMINAL ELEVN:

OPERATOR: G. Rau.

BASE LATITUDE: 31° 49' 58" S

DATE: ~~August~~ & November 1977

[illegible]

Notes:

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SOLO GEOPHYSICS AND CO. GRAVITY SURVEY

P. 11.

CLIENT: CRA EXPLORATION

METER: LACOSTE No. G- 37

AREA: E.L. 362

METER CALIBRATION: as per chart

GRID: Lake Gairdner

BOUGUER DENSITY: 2.2 2.4 2.67 gms/cc.

LINE: 12000 W.

DRIFT CORRECTION: -0.01 Scale div/hr

LINE MAGNETIC BRG: 353°

AREA MAGNETIC VARIATION: 7° E

BASE STATION: 700E/00S

BASE NOMINAL GRAV:

BASE NOMINAL ELEVN:

OPERATOR: G.Rau.

BASE LATITUDE: 31° 49' 58" S

DATE: ~~August~~ & November 1977

Station	Obs. Grav. s./divs.	Time	Elevn.	BOUGUER GRAV.		
				P ₁	P ₂	P ₃
6000 ^W /12000 ^W	2962.58	14.33	98.70	2.12	2.14	2.17
5500	62.93	14.38		2.12	2.14	2.17
5000	63.60	14.42		2.16	2.48	2.51
4500	63.91	14.46		2.42	2.44	2.47
4000	63.84	14.50		1.98	2.01	2.04
3500	64.44	14.55		2.25	2.27	2.30
3000	64.95	15.10		2.42	2.44	2.47
2500	64.99	15.04		2.10	2.12	2.15
2000	65.84	15.10		2.62	2.65	2.68
1500	66.10	15.21		2.53	2.55	2.58
1000	66.71	15.26		2.81	2.83	2.86
500 N	67.59	15.30		3.27	3.39	3.42
00	68.06	15.34		3.49	3.52	3.55
500 S	68.29	15.37		3.37	3.39	3.42
1000	69.02	15.41		3.77	3.79	3.82
1500	69.35	15.45		3.75	3.78	3.81
2000	70.15	15.51		4.23	4.25	4.28
2500	70.84	15.55		4.59	4.61	4.64
3000	71.39	15.59		4.80	4.82	4.85
3500	72.06	16.04		5.14	5.16	5.19
4000	72.46	16.07		5.19	5.22	5.24
4500	72.83	16.12		5.22	5.24	5.27
5000	73.21	16.16		5.25	5.27	5.30
5500	73.97	16.21		5.68	5.71	5.74
6000 S	74.22	16.25		5.58	5.60	5.63

Notes:

TABLE I

AD. UNI.

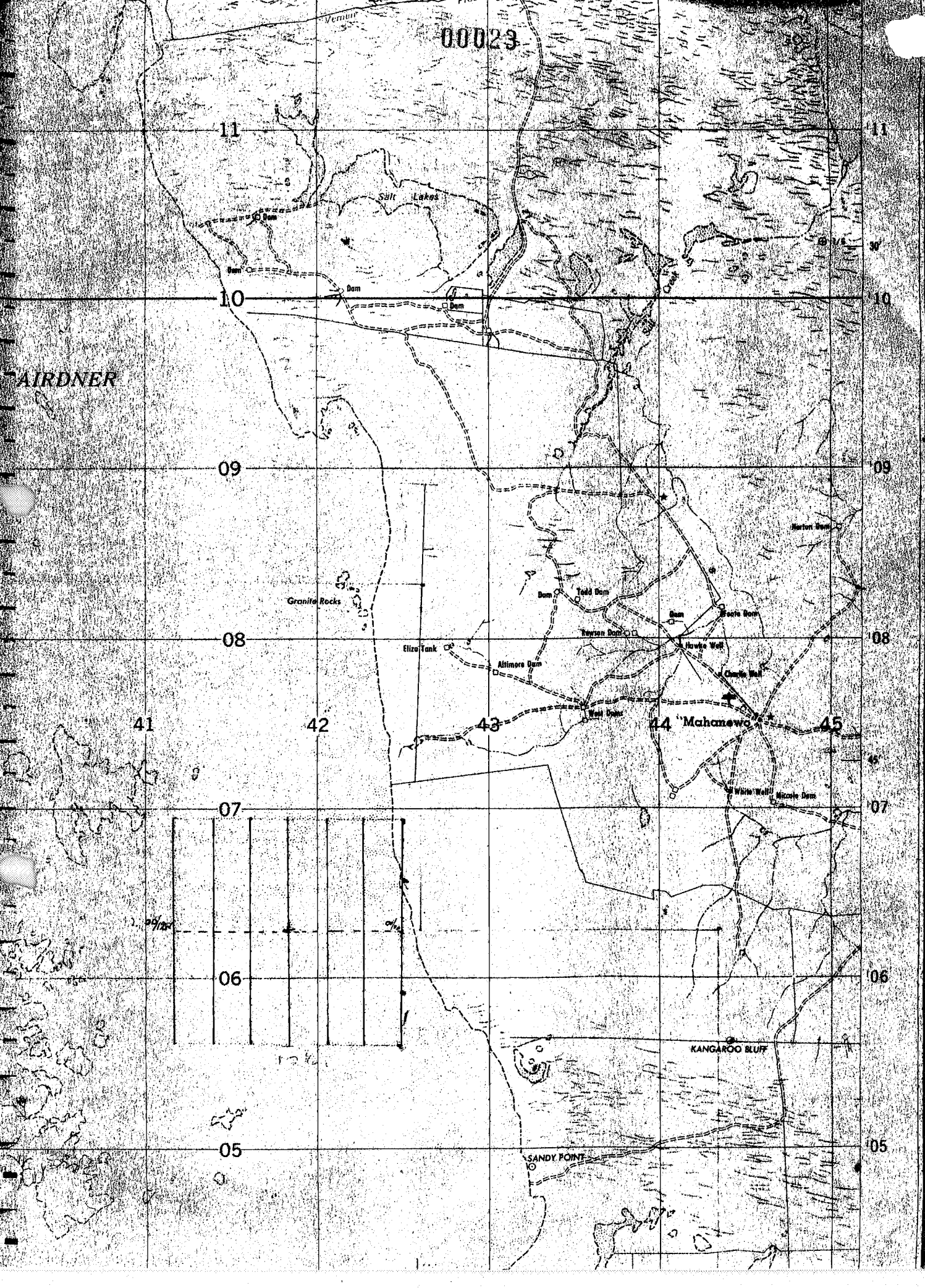
Milligal Values for LaCoste & Romberg Model G Gravity Meter #37

Counter Reading*	Value in Milligals	Factor for Interval	Counter Reading *	Value in Milligals	Factor for Interval
000	000	1.04790			
100	104.79	1.04780	3600	3770.61	1.04840
200	209.57	1.04770	3700	3875.45	1.04855
300	314.34	1.04775	3800	3980.30	1.04865
400	419.11	1.04765	3900	4085.17	1.04875
500	523.88	1.04735	4000	4190.04	1.04885
600	628.61	1.04730	4100	4294.93	1.04895
700	733.34	1.04720	4200	4399.82	1.04900
800	838.06	1.04720	4300	4504.72	1.04910
900	942.78	1.04720	4400	4609.63	1.04915
1000	1047.50	1.04710	4500	4714.55	1.04920
1100	1152.21	1.04700	4600	4819.47	1.04920
1200	1256.91	1.04695	4700	4924.39	1.04915
1300	1361.61	1.04690	4800	5029.30	1.04905
1400	1466.30	1.04685	4900	5134.21	1.04910
1500	1570.98	1.04690	5000	5239.12	1.04910
1600	1675.67	1.04690	5100	5344.03	1.04900
1700	1780.36	1.04680	5200	5448.93	1.04885
1800	1885.04	1.04700	5300	5553.81	1.04875
1900	1989.74	1.04705	5400	5658.69	1.04870
2000	2094.45	1.04720	5500	5763.56	1.04860
2100	2199.17	1.04720	5600	5868.42	1.04845
2200	2303.89	1.04725	5700	5973.27	1.04830
2300	2408.61	1.04725	5800	6078.10	1.04810
2400	2513.34	1.04730	5900	6182.91	1.04790
2500	2618.07	1.04730	6000	6287.70	1.04770
2600	2722.80	1.04740	6100	6392.47	1.04745
2700	2827.54	1.04745	6200	6497.22	1.04725
2800	2932.28	1.04750	6300	6601.94	1.04700
2900	3037.03	1.04755	6400	6706.64	1.04675
3000	3141.78	1.04765	6500	6811.32	1.04650
3100	3246.55	1.04780	6600	6915.97	1.04625
3200	3351.33	1.04810	6700	7020.60	1.04595
3300	3456.14	1.04815	6800	7125.19	1.04560
3400	3560.96	1.04825	6900	7229.75	1.04520
3500	3665.78	1.04830	7000	7334.27	

NOTE: Right hand wheel on counter equals approximately .1 Milligal
AWS 1-25-53

00023

AIRDNER



LANE GARNER. S JUST 00024

CLIENT: CRA EXPLORATION PTY LTD AREA: EL-362

LINE:

DATE: AUGUST 1977

PERATOR:

UNIT NO:

LAT:

[illegible]

00025

CLIENT:

CPA

AREA:

have 6 and 1/2

LINE:

2w.

DATE:

30-847

OPERATOR:

UNIT NO:

LAT:

OPERATOR: _____					REMARKS
STATION	READ'G 1	TIME	CORR'N	READ'G 2	
4625N	243	415	+5	8248	
750	236	416		58241	
875	229	417		233	
5000N	257	418		252	
125	251	419		256	
250	262	420		267	
375	282	421		287	
500	300	422		305	
625	355	423	+4	259	
750	352	424		256	
875	274	425		278	
6000N	240	426		244	
Δ 00/00	079	434	+4	58083	
Drift + 8 in 132 mins.					

00026

CLIENT: C P A

AREA: LAKE GARLAND

LINE: 2W

DATE: 30. 8. 77

OPERATOR:

UNIT NO:

LAT:

STATION	READ'G 1	TIME	CORR'N	READ'G 2	REMARKS
1875	317	3.49		324	
2000N	288	3.50	+7	335	
125	216	3.51	+6	222	
250	198	3.54		204	
375	282	3.56		288	
500	277	3.56		233	
625	295	3.57		301	
750	295	3.58		301	
875	371	3.59		377	
2000W	458	4.00		459	
125	278	4.01		284	
250	321	4.02		328	
375	377	4.03		384	
4	350	330	4.04	336	
625	260	4.05		266	
750	262	4.06		268	
875	262	4.07	+5	273	
4000N	236	4.10		241	
175	228	4.11		233	
250	247	4.12		252	
375	273	4.13		278	
4500	230	4.14		235	

00027

CLIENT: CRA

AREA: Lake George

LINE: ZW

DATE: 30.8.7

OPERATOR:

UNIT NO:

LAT:

STATION	READ'G 1	TIME	CORR'N	READ'G 2	REMARKS
875	375	3.20	+8	58383	
750	369	3.21		357	
625	365	3.22		373	
500	408	3.22		416	
375	460	3.25		468	
250	425	3.26		433	
125	396	3.28		404	
00	393	3.30		401	
125 N	394	3.31		402	
250	421	3.32		420	
375	392	3.33		400	
500	380	3.34		388	
625	360	3.35	+7	367	
750	327	3.36		334	
875	332	3.37		339	
1000	332	3.38		339	
1125	339	3.39		346	
1250	329	3.40		336	
1375	329	3.41		336	
1500	334	3.42		340	
1625	331	3.45		338	
1750	320	3.47		327	

00028

CLIENT: CRA

AREA: LAKE GARD

LINE: 2W,

DATE: 30.8.77

OPERATOR:

UNIT NO:

LAT:

STATION	READ'G 1	TIME	CORR'N	READ'G 2	REMARKS
2500 S	58363	259	+10	58373	
375	349	300		359	
250	350	301		360	
125	318	302		328	
3000 S	280	303	+9	289	
875	286	304		295	
750	360	305		369	
625	407	306		416	
500	433	307		442	
875	427	308		436	
250	455	309		449	
125	433	310		442	
2000 S	465	311		474	
875	415	312		424	
750	346	313		355	
625	315	314		324	
500	337	315		346	
375	382	316		391	
250	423	317		432	
125	436	318		445	
1000 S	396	319	+8	404	

00029

CLIENT: CRA.

AREA: LAKE GARAGE

LINE: 2W.

DATE: 30.8.77

OPERATOR:

UNIT NO:

LAT:

STATION	READ'G 1	TIME	CORR'N	READ'G 2	REMARKS
400/00	58071	2.22	+12	58083	
6000S			2.11		
6000S	756	2.39	+11	58767	
* 875	59052			59063	
* 750	59084	2.41		59095	
625	58753	2.42		58764	
5500	639	2.43		650	
375	558	2.44		569	
250	531	2.45		542	
125	495	2.46		506	
5000S	454	2.47	+10	464	
875	439	2.48		449	
750	470	2.49		480	
625	450	2.50		460	
4500	422	2.51		434	
375	429	2.52		439	
250	501	2.53		511	
125	643	2.54		658	
4000S	547	2.55		557	
875	469	2.56		479	
750	429	2.57		439	
625	382	2.58		392	

00030

CLIENT:

LINE:

OPERATOR:

UNIT NO:

LAT:

AREA: LAKE GARRETT

DATE:

28.8.7

12W/CRA

STATION	READ'G 1	TIME	CORR'N	READ'G 2	REMARKS
4500S	374	245	+13	58307	
4625	388	246		401	
4750	390	247		403	
4875	407	248		420	
5000	423	249		436	
5125	444	250		477	
5250	512	251		525	
5375	670	252		683	
5500	605	253		618	
5625	437	254		450	
5750	458	255		461	
5875	469	256		462	
6000	450	257		463	
00/00	518	305	+13	58531	
DRIFT - 2 in 165 mins					

00031

CLIENT:

CRA

AREA:

HAWK GATE

LINE:

12W

DATE:

28.8.77

OPERATOR:

UNIT NO:

LAT:

STATION	READ'G 1	TIME	CORR'N	READ'G 2	REMARKS
18755	315	226	+13	58528	
2000	338	225		351	
2125	334	226		347	
2250	350	227		357	
2375	367	228		380	
2500	370	229		383	
2625	365	230		378	
2750	373	231		386	
2875	377	232		390	
3000	413	233		426	
3125	420	234		437	
3250	392	235		405	
3375	428	236		441	
3500	481	237		494	
3625	463	238		476	
3750	425	239		438	
3875	393	240		406	
4000	391	241		404	
4125	412	242		425	
4250	448	243		461	
4375	410	244		423	

00032

CLIENT:

12W/CRA

AREA: LAKEBAW

LINE:

DATE: 28.8.7

OPERATOR:

UNIT NO:

LAT:

STATION	READ'G 1	TIME	CORR'N	READ'G 2	REMARKS
1 750	380	203	+12	58392	
2 625	362	204		374	
3 500	374	205		386	
4 375	392	206		404	
5 250	417	207		429	
6 125N	398	208		410	
7 00	361	209		373	
8 125S	354	210		366	
9 250	357	211	+13	370	
10 375	367	212		380	
11 500	402	213		415	
12 625	402	214		415	
13 750	408	215		421	
14 875	412	216		425	
15 1000	436	217		419	
16 1125	379	218		231	397
17 1250	344	219		232	357
18 1375	328	220		233	341
19 1500	324	221		234	337
20 1625	327	222		235	340
21 1750	313	223		236	326

00033

CLIENT:

12 CRA

AREA: LAKE GARRETT

LINE:

DATE: 28.8.7

OPERATOR:

UNIT NO:

LAT:

STATION	READ'G 1	TIME	CORR'N	READ'G 2	REMARKS
3375N	353	1.42	+12	58365	
3250	358	1.43		370	
3125	356	1.44		368	
3000	356	1.45		358	
2875	381	1.46		393	
2750	351	1.47		363	
2625	375	1.48		386	
2500	422	1.49		434	
2375	441	1.50		453	
2250	455	1.51		467	
2125	479	1.52		491	
2000	487	1.53		499	
1875	473	1.54		485	
1750	434	1.55		446	
1625	400	1.56		412	
1500	367	1.57		379	
1375	397	1.58		409	
1250	416	1.59		426	
1125	390	2.00		402	
1000	367	2.01		379	
875	377	2.02		389	

00034

CLIENT:

GRA/
2W

AREA: LAKE CAM

LINE:

DATE:

28-8

OPERATOR:

UNIT NO:

LAT:

STATION	READ'G 1	TIME	CORR'N	READ'G 2	REMARKS
6000N	207	120	+12	58219	
5875	180	121		192	
5750	201	122		213	
5625	232	124		244	
5500	232	125		244	
5375	234	126		246	
5250	236	127		248	
5125	249	128		261	
5000	251	129		263	
4875	311	130		323	
4750	330	131		342	
4625	281	132		243	
4500	295	133		306	
4375	281	134		243	
4250	245	135		307	
4125	245	136		307	
4000	289	137		301	
3875	290	138		302	
3750	300	139		312	
3625	260	140		272	
3500	320	141		332	

Q R A

AREA: LAKE CAVERN

LINE:

MC1

DATE: 28.8.77

OPERATOR:

UNIT NO:

LAT:

[illegible]

00036

CLIENT:

C.R/A

AREA: LAKE GARON

LINE:

10W

DATE: 28.8.77

OPERATOR:

UNIT NO:

LAT:

STATION	READ'G 1	TIME	CORR'N	READ'G 2	REMARKS
2625 N	522	1244	+11	58535	
2750	460	1245		471	
2875	398	1246		409	
3000	386	1247		397	
3125	399	1248		410	
3250	413	1249		424	
3375	377	1250		388	
3500	360	1251		371	
3625	343	1252		354	
3750	322	1253		333	
3875	368	1254		379	
4000	318	1255		329	
4125	290	1256		301	
4250	281	1258		292	
4375	291	1259		302	
4500	285	100		296	
4625	309	101	+12	321	
4750	320	102		332	
4875	296	104		308	
5000	306	106		318	
5125	293	107		305	

00037

CLIENT:

CRA

AREA: LAKE GARIBOLDI

LINE:

10W

DATE:

28-8-77

OPERATOR:

UNIT NO:

LAT:

STATION	READ'G 1	TIME	CORR'N	READ'G 2	REMARKS
400 N	58520	1220	+11	58531	
125 N	523	1222		534	
250	522	1224		533	
375	521	1225		532	
500	532	1226		543	
625	520	1227		531	
750	530	1229		541	
875	520	1230		531	
1000	525	1231		536	
1125	566	1232		577	
1250	586	1233		597	
1375	578	1234		589	
1500	599	1235		610	
1625	592	1236		603	
1750	565	1237		576	
1875	570	1238		581	
2000	553	1239		564	
2125	565	1240		576	
2250	583	1241		594	
2375	535	1242		536	
2500	581	1243		492	

00039

CLIENT: CRA

AREA: LAKE CARR

LINE: 10 W

DATE: 28. 8. 77

OPERATOR:

UNIT NO:

LAT:

STATION	READ-G 1	TIME	CORR'N	READ-G 2	REMARKS
33755	58438	11.10	-2	58436	
250	437	11.11		435	
125	434	11.12		432	
30000	456	11.13		454	
875	462	11.14		460	
750	464	11.15		462	
625	464	11.16		462	
500	481	11.17		479	
375	485	11.18		483	
250	503	11.19		501	
125	512	11.20		510	
20005	498	11.22		496	
875	473	11.23		471	
750	471	11.24		469	
625	491	11.25		489	
500	511	11.26		509	
375	532	11.27		530	
250	489	11.29		487	
125	480	11.30		478	
10005	487	11.32		485	
875	492	11.33		490	

00040

CLIENT: C R A

AREA: LAKE GARD

LINE: 10 W.

DATE: 28.8.7

OPERATOR:

UNIT NO:

LAT:

STATION	READ'G 1	TIME	CORR'N	READ'G 2	REMARKS
6000S	58547	10.44	-2	58545	
875	482	10.45		480	
750	461	10.46		459	
625	531	10.47		429	52.93
500	517	10.48		515	
375	492	10.50		490	
250	517	10.51		515	
125	502	10.52		500	
5000S	508	10.53		506	
875	500	10.55		498	
750	487	10.56		485	
625	455	10.57		453	
500	449	10.58		447	
375	471	11.00		469	
250	457	11.02		455	
125	426	11.03		424	
4000S	428	11.04		426	
875	467	11.05		465	
750	433	11.06		431	
625	433	11.07		431	
500	443	11.08		441	

00041

CLIENT: CRA

AREA: LAKE GARCON

LINE: 8 W

DATE: 28. 8. 72

OPERATOR:

UNIT NO:

LAT:

[illegible]

00042

CLIENT: CRA

AREA: LAKE CHICK

LINE: 8W

DATE: 28-8-77

OPERATOR:

UNIT NO:

LAT:

STATION	READ'S 1	TIME	CORR'N	READ'S 2	REMARKS
2500	58647	9.56		58645	
625	625	9.56		623	
750	611	10.01		609	
875	590	10.03		588	
3000S	591	10.04		589	
125	575	10.06		573	
250	625	10.07		623	
375	589	10.08		587	
500	547	10.09		545	
625	479	10.11		477	
750	448	10.12		446	
875	440	10.13		438	
4000S	470	10.14		468	
125	464	10.15		462	
250	456	10.16		454	
375	460	10.17		458	
500	485	10.19		483	
625	461	10.20		459	
750	458	10.21		456	
875	477	10.22		475	
5000S	460	10.23		458	

00043

CLIENT:

8W/CRA

AREA: LAKE GARROW

LINE:

DATE: 28.8.22

OPERATOR:

UNIT NO:

LAT:

STATION	READ'G 1	TIME	CORR'N	READ'G 2	REMARKS
00/4W	58489	9.23	-2	58487	
00/8W	581	9.28		579	✓
125	583	9.32		581	
250	584	9.33		582	
375	577	9.34		575	
500S	556	9.35		554	
625	574	9.36		572	
750	588	9.37		586	
875	614	9.39		612	
1000S	624	9.40		622	
125	654	9.41		652	
250	666	9.42		664	
375	655	9.43		653	
500S	645	9.44		643	
625	660	9.45		658	
750	682	9.47		680	
875	732	9.50		730	
2000	722	9.51		720	
125	670	9.52		668	
250	655	9.54		653	
375	651	9.55		649	

00045

CLIENT: CRA

AREA: HOLE CORRECTION

LINE: BW

DATE: 27.8.7

OPERATOR:

UNIT NO:

LAT:

STATION	READ'G 1	TIME	CORR'N	READ'G 2	REMARKS
3375N	381	350	+15	58396	
250	371	351		386	
125	399	353		414	
3000N	426	354		441	
875	452	355		467	
750	468	356		483	
625	479	358		494	
2550N	464	359		479	
375	485	400		459	
250	525	401		490	
125	504	402		519	
2000	555	403	+14	569	
875	589	404		603	
750	610	405		624	
625	595	406		609	
1500N	603	407		617	
375	595	408		609	
250	604	409		618	
125	604	410		618	
1000N	584	411		598	
875	589	412		603	

00046

CLIENT: CRA

AREA: LAKE GARRETT

LINE: 8W

DATE: 27.8.77

OPERATOR:

UNIT NO:

LAT:

STATION	READ'G 1	TIME	CORR'N	READ'G 2	REMARKS
6000N ⁵⁸	297	3.28	+16	58313	
875	343	330		359	
750	346	331		362	
625	345	332		361	
5000	355	333		371	
375	382	334		398	
250	427	335		443	
125	434	336		450	
5000N	441	337		457	
875	448	338		464	
750	529	340		545	
625	693	341	+15	708	
4500	905	342		920	
375	720	343		735	
250	429	344		444	
125	335	345		350	
4000N	323	346		338	
875	296	346		311	
750	313	347		328	
625	338	348		353	
3500N	352	349		367	

CRA

AREA: LAKE GARO

LINE: 6 W

DATE: 27.8.72

OPERATOR:

UNIT NO:

LAT:

A₄

00048

CLIENT: CRA

AREA: HAKE CAMP

LINE: 6W

DATE: 27-8-7

OPERATOR:

UNIT NO:

LAT:

STATION	READ'G 1	TIME	CORR'N	READ'G 2	REMARKS
2750 N	58500	2.45	+18	58518	
875	435	2.46		453	
3000 N	378	2.47		396	
125	360	2.49		378	
250	330	2.50		348	
375	353	2.51		371	
3500 N	333	2.52		351	
625	331	2.54		349	
750	344	2.55		362	
875	354	2.56		372	
4000 N	329	2.57		347	
125	310	2.58	+17	327	
250	309	2.59		326	
375	318	3.00		335	
4500 N	290	3.02		307	
625	215	3.03		232	
750	172	3.04		189	
875	268	3.05		285	
5000 N	246	3.06		263	
125	230	3.07		247	
250	230	3.08		247	

00049

CLIENT: CRA

AREA: LAKE GARD

LINE: 6W

DATE: 27-8-77

OPERATOR:

UNIT NO:

LAT:

STATION	READ'G 1	TIME	CORR'N	READ'G 2	REMARKS
^{Δ3} 00/4W	58468	2.15	+19	58487	
00/6W	367	2.17		386	
125N	407	2.18		426	
250	419	2.20		436	
375	420	2.22		439	
500N	424	2.23		443	
625	425	2.24		444	
750	435	2.25		454	
875	540	2.27		559	
1000N	669	2.28		688	
125	993	2.30		59012	
250	992	2.31		59011	
375	722	2.32		58741	
1500N	567	2.33		586	
625	471	2.35		490	
750	437	2.36		456	
875	385	2.37	48	403	
2000N	367	2.38		385	
125	375	2.39		393	
250	351	2.40		370	
375	325	2.41		343	
2500N	364	2.42		382	
625	658	2.44		676	

00050

CLIENT:

CRA

AREA: LAKE GEORGE

LINE:

42

DATE: 27.8.1

OPERATOR:

UNIT NO:

LAT:

STATION	READ'G 1	TIME	CORR'M	READ'G 2	REMARKS
5375	58203	1232	+13	58216	
5500	222	1235	-	225	
5625	215	1238		255	
5750	264	1240	+14	278	
5875	274	1242		288	
6000	286	1244		300	
Δ 300/4W	58470	1.00	+17	58487	
	DRIFT		-11	1086 min.	

00051

CLIENT:

GRA

AREA:

Lake Gair

LINE:

4W

DATE:

27.8.7

OPERATOR:

UNIT NO:

LAT:

STATION	READ'G 1	TIME	CORR'N	READ'G 2	REMARK
2850 N	58271	11:58		58279	
875	280	11:59	+9	289	
3000 N	276	12:00		285	
125	472	12:01		481	
3250	522	12:02		531	
375	463	12:03		472	
3500	430	12:04		439	
3625	390	12:05		399	
3750	368	12:06		377	
3875	353	12:08	+10	363	
4000 N	349	12:09		359	
125	308	12:11		318	
250	282	12:14		292	
375	279	12:15	+11	290	
4500 N	280	12:17		291	
	241	12:19		252	
4750	223	12:21		234	
	217	12:23	+12	229	
5000	219	12:26		231	
	218	12:28		230	
5150	213	12:29		225	

00052

D300/AW 58481 11:25 CORR +6.58487

CLIENT: CRA

AREA: N-E 6

LINE: 4W

DATE: 27-8-7

OPERATOR:

UNIT NO:

LAT:

STATION	READ-G 1	TIME	CORR'M	READ-G 2	REMARK
125N	5848	11:34	+6	58476	
250	470	11:35		476	
375	455	11:36		461	
500	429	11:37		435	
625	413	11:38		419	
750	376	11:39		382	
875	380	11:40		386	
1000	361	11:41		367	
1175	341	11:42		347	
1250	303	11:43	+7	310	
1375	235	11:44		242	
1500	169	11:45		176	
1675	166	11:46		173	
1750	220	11:47		227	
1875	370	11:48		377	
2000	376	11:49		383	
	342	11:51	+8	390	
2250	316	11:53		324	
	315	11:54		323	
2500	300	11:55		308	
2625	284	11:56		292	

52

00054

CLIENT:

6W/CRA

AREA: LAKE GARD

LINE:

DATE:

27.8

OPERATOR:

UNIT NO:

LAT:

STATION	READ'G 1	TIME	CORR'N	READ'G 2	REMARK
3375	386	10.49	+6	58392	
3250	397	10.50		403	
3125	416	10.51		422	
3000	415	10.52		421	
2875	395	10.53		401	
2750	386	10.54		392	
2625	382	10.56		388	
2500	392	10.58		398	
2375	393	10.59		399	
2250	381	11.00		387	
2125	371	11.01		377	
2000	364	11.02		370	
1875	366	11.03		372	
1750	371	11.04		377	
1625	393	11.05		399	
1500	405	11.06		411	
1375	391	11.07		397	
1250	391	11.08		397	
1125	387	11.09		393	
1000	376	11.10		392	
875	379	11.11		385	

00055

CLIENT:

CRA

AREA: 14 MC GA

LINE:

6W

DATE:

22-8

OPERATOR:

UNIT NO:

LAT:

STATION	READ'G 1	TIME	CORR'N	READ'G 2	REMARK
6000S	299	10-25	+6	58305	
5875	278	10-26		284	
5750	213	10-28		219	
5625	312	10-29		318	
5500	330	10-30		336	
5375	368	10-31		374	
5250	485	10-32		491	
5125	379	10-33		385	
5000	355	10-35		361	
4875	334	10-36		340	
4750	345	10-37		351	
4625	354	10-38		360	
4500	363	10-39		369	
4375	354	10-40		360	
4250	360	10-41		366	
4125	353	10-42		359	
4000	341	10-43		347	
3875	321	10-44		327	
3750	348	10-45		354	
3625	360	10-46		366	
3500	370	10-47		376	

STATION	READ'G 1	TIME	CORR'M	READ'G 2
S 2805	447	10-14	+6	58453
S 375	445	10-15		451
S 500	392	10-16		398
S 625	339	10-17		345
S 750	353	10-18		359
S 875	417	10-19		423
6000	443	10-20		449

00057

CLIENT: CRA

AREA: LAKE GA

LINE: 4W

DATE: 27.8.7

OPERATOR:

UNIT NO:

LAT:

STATION	READ'G 1	TIME	CORR'N	READ'G 2	REMARKS
2625	546	9.51	+6	58552	
2750	633	9.52		639	
2875	701	9.54		707	
3000	722	9.55		728	
3125	696	9.56		702	
3250	719	9.58		725	
3375	494	9.59		500	
3500	357	10.00		363	
3625	350	10.01		356	
3750	356	10.02		362	
3875	369	10.03		375	
4000	379	10.04		385	
4125	396	10.05		402	
4250	417	10.06		423	
4375	456	10.07		462	
4500	479	10.08		484	
4625	450	10.09		456	
4750	435	10.10		441	
4875	414	10.11		420	
5000	408	10.12		414	
5125	421	10.13		427	

00058

CLIENT: CRA

AREA: HAKE Gnd

LINE: 4W

DATE: 27-8

OPERATOR:

UNIT NO:

LAT:

STATION	READ'S 1	TIME	CORR'N	READ'S 2	WIND
00 N	58481	9 26	+6	58487	
125 S.	483	9 29		489	
250	463	9 30		469	
375	483	9 31		489	
500	504	9 32		510	
625	497	9 33		503	
750	493	9 34		499	
875	489	9 35		495	
1000	490	9 36		496	
1125	517	9 37		523	
1250	578	9 39		584	
	571	9 40		577	
1500	680	9 41		686	
	766	9 43		772	
1750	449	9 46		455	
	412	9 45		418	
2000	416	9 46		422	
	424	9 47		430	
2250	443	9 48		449	
	415	9 49		481	
2500	492	9 50		498	

00059

CLIENT: CRA

AREA: LAKE GA

LINE: 00W

DATE: 26-8-7

OPERATOR:

UNIT NO:

LAT:

STATION	READ'G 1	TIME	CORR'N	READ'G 2	REMARKS
5250N	58321	2.57		58330	
375	297	3.00		306	
500	298	3.02		307	
625	284	3.04		293	
750	251	3.06	+8	259	
875	237	3.08		245	
6000N	227	3.11		235	
A1/0.00	58076	3.30	+7	58083	
PRI FT + 5 gamma in 125 mins.					
$\Delta_2^{00/200E}$	58108	3.40			
$\Delta_1/0.00$	58076	3.42			
$\Delta_2^{00/200E}$	58103	3.45			
$\Delta_3^{00/4W}$	58480	3.55			
$\Delta_1^{00/00W}$	58078	4.03			
$\Delta_3^{00/4W}$	58482	4.11			
Base tie $\Delta_1 00/00W$ To $\Delta_3 00/4W$.					
58077 (A) To 58481.60					
+6 corrn 58083 (A)					

Corridor $\Delta_2 = 58487 \Delta_3$

00060

CLIENT: CRA

AREA: LAKEGA

LINE: 00W

DATE: 26-8-7

OPERATOR:

UNIT NO:

LAT:

STATION	READ'G 1	TIME	CORR'N	READ'G 2	READ'G 3
S 2625N	58328	2.05		58339	
750	243	2.06		254	
875	232	2.08		243	
3000N	308	2.11		319	
125	350	2.14		361	
250	382	2.16	+10	392	
6 375	395	2.18		405	
500	384	2.20		394	
A 625	319	2.23		329	
750	211	2.26		221	
A 875	197	2.29		207	
4000N	215	2.32		225	
A 125	223	2.34		233	
250	374	2.36		384	
L 375	555	2.40	+9	564	
500	508	2.42		517	
A 625	437	2.45		446	
750	446	2.47		455	
875	398	2.49		407	
5000N	335	2.51		344	
125	323	2.55		332	

00061

CLIENT: CRA.

AREA: LAKEG

LINE: 00W.

DATE: 26.8

OPERATOR:

UNIT NO:

LAT:

STATION	READ'G 1	TIME	CORR'N	READ'G 2	REMARKS
00W/00N	58071	1.25	+12.	58083	
125N	144	1.27		156	
250	193	1.29		205	
375	262	1.32		274	
500	327	1.37		339	
625	286	1.40		298	
750	388	1.42		400	
875	422	1.43		434	
1000N	413	1.44		425	
1125	376	1.45		388	
1250	333	1.46		345	
1375	368	1.47		380	
1500	443	1.48		455	
1625	371	1.49		383	
1750	346	1.50		358	
1875	317	1.51	+11	328	
2000N	344	1.52		355	
2125	296	1.55		307	
250	305	1.57		316	
375	432	2.00		443	
500	376	2.03		387	

00063

CLIENT: CRA.

AREA: LAKEGA

LINE: 00W

DATE: 26.8.77

OPERATOR:

UNIT NO:

LAT:

STATION	READ'G 1	TIME	CORR'M	READ'G 2	REMARK
2625 S	58354	11:31	+3	58357	
750	345	11:33		348	
875	353	11:34		356	
3000 S	405	11:35		408	
125	495	11:37	+4	499	
250	467	11:38		471	
375	347	11:40		351	
3500 S	345	11:41		349	
625	366	11:42		370	
750	369	11:43		373	
875	378	11:45		382	
4000 S	368	11:46	+5	373	
125	329	11:47		334	
250	316	11:48		321	
375	310	11:49		315	
4500 S	354	11:50		359	
4625	432	11:52		437	
750	471	11:54		476	
875	457	11:55		462	
5000 S	426	11:57	+6	432	
125	394	11:58		400	

00064

CLIENT: CRA

AREA: LAKE GARDNER

LINE: 00W

DATE: 26.8.97

OPERATOR:

UNIT NO:

LAT:

STATION	READ'G 1	TIME	CORR'N	READ'G 2	REMARKS
Δ 00W 00W 58083	120	11:00	0	58083	
125	120	11:03		120	
250	143	11:05		143	
375	119	11:07	+1	120	
500S	161	11:09		162	
625	161	11:10		162	
750	220	11:11		221	
875	256	11:12		257	
1000S	240	11:14		241	
125	250	11:15		251	
250	262	11:17	+2	264	
375	267	11:18		269	
1500S	275	11:19		277	
625	311	11:21		313	
750	296	11:22		298	
875	314	11:23		316	
2000S	307	11:24		309	
125	373	11:25		375	
250	359	11:26	+3	362	
375	351	11:27		354	
2500S	344	11:29		347	

00065



C.R.A. EXPLORATION PTY. LIMITED

(INC. IN N.S.W.)

95 COLLINS STREET, MELBOURNE, AUSTRALIA 3001

P.O. BOX 384D

TELEPHONE: 63 0491

TELEGRAMS: "CONRIO"

TELEX AA 30108

2nd February, 1978.

The Director of Mines,
P.O. Box 151,
EASTWOOD, S.A. 5063

Dear Sir,

E.L. 362 - Lake Gairdner, South Australia
Final Statement of Expenditure

Expenditure of the above E.L. amounted to \$9,385 comprising:

Salaries	\$787
Wages	176
Vehicles	109
Contractors	6,743
General Overheads	<u>1,570</u>
	<u>\$9,385</u>

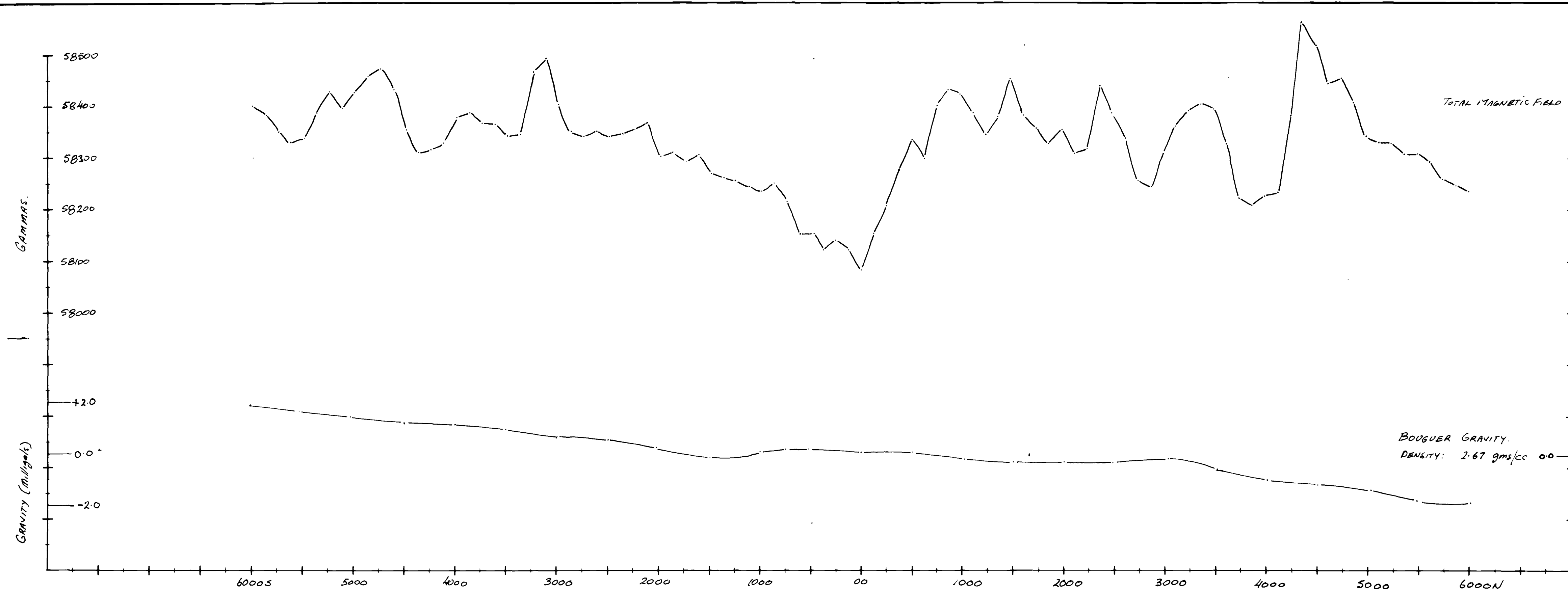
Transparencies of plans accompanying the report are being prepared and will be forwarded to you as soon as they become available.

Yours faithfully,

SAF:jm

for: J. Collier
General Manager





SOLO GEOPHYSICS AND CO.

GRAVITY SURVEY WITH LEVELLING

CLIENT C.R.A. EXPLORATION PTY. LTD.

AREA LAKE GARDNER S. AUST.

GRID E.L. No. 362

LINE 00W BRG 353°

GRAVITY METER WORDEN No. 274

CALIBRATION 0916 Mg/s.p.

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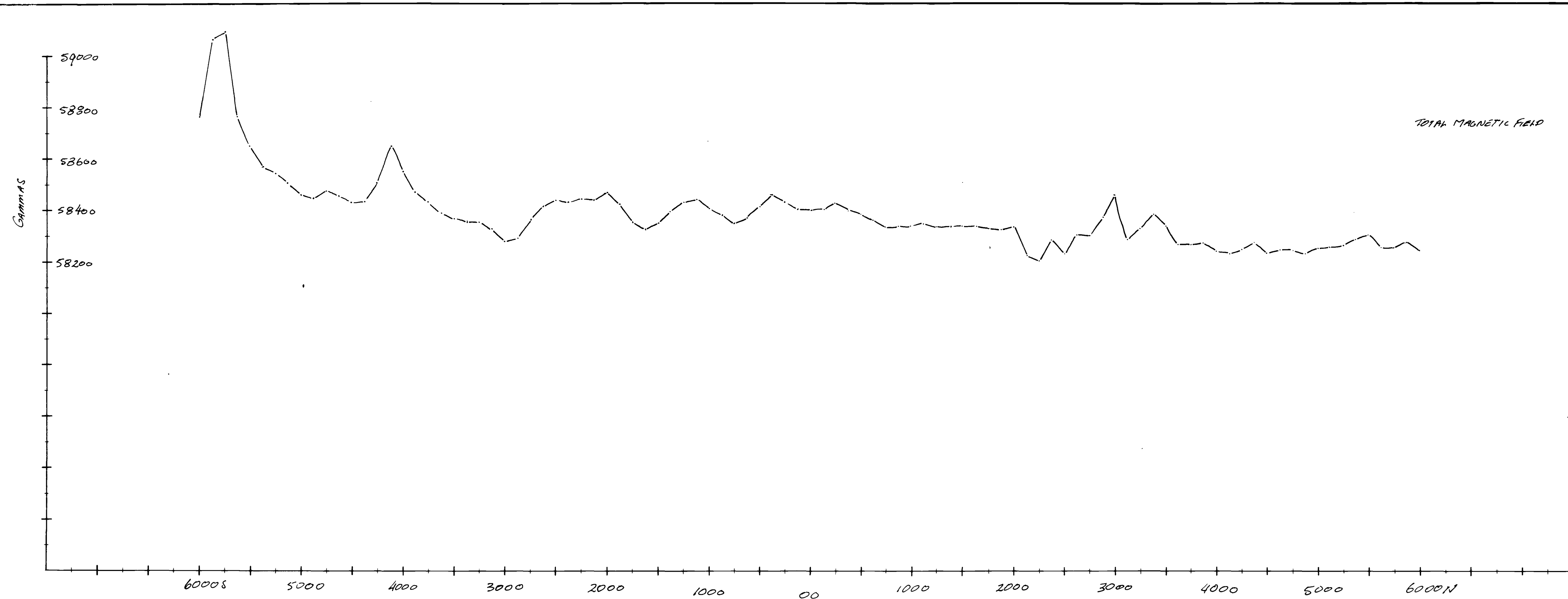
SURVEYORS G. RAO R. JOHNSON

DATE OF SURVEY AUGUST 1977

PLOTTED BY G. RAO

BOUGUER GRAVITY DENSITY 2.67 gms/cc

3131-1



SOLO GEOPHYSICS AND CO.

GRAVITY SURVEY WITH LEVELLING

CLIENT C. R. A. EXPLORATION PTY LTD

AREA LAKE GAIRDNER S. AUST.

GRID E.L. No. 362

LINE 2W BRG 353°

GRAVITY METER WORDEN No 274.

CALIBRATION 0916 m/s.p.

DATA SCALE 1:25000

SURVEYORS G. RAU, R. JOHNSON

DATE OF SURVEY AUGUST 1977

PLOTTED BY G. RAU

3131-2

SOLO GEOPHYSICS AND CO.

GRAVITY SURVEY WITH LEVELLING

CLIENT *C.R.A. EXPLORATION PTY. LTD*

AREA *LAKE GARDNER S. AUST.*

GRID *E.L. No. 362*

LINE *4W* BRG *353°*

GRAVITY METER *WORDEN No. 274*

CALIBRATION *.0916 m/s.p.*

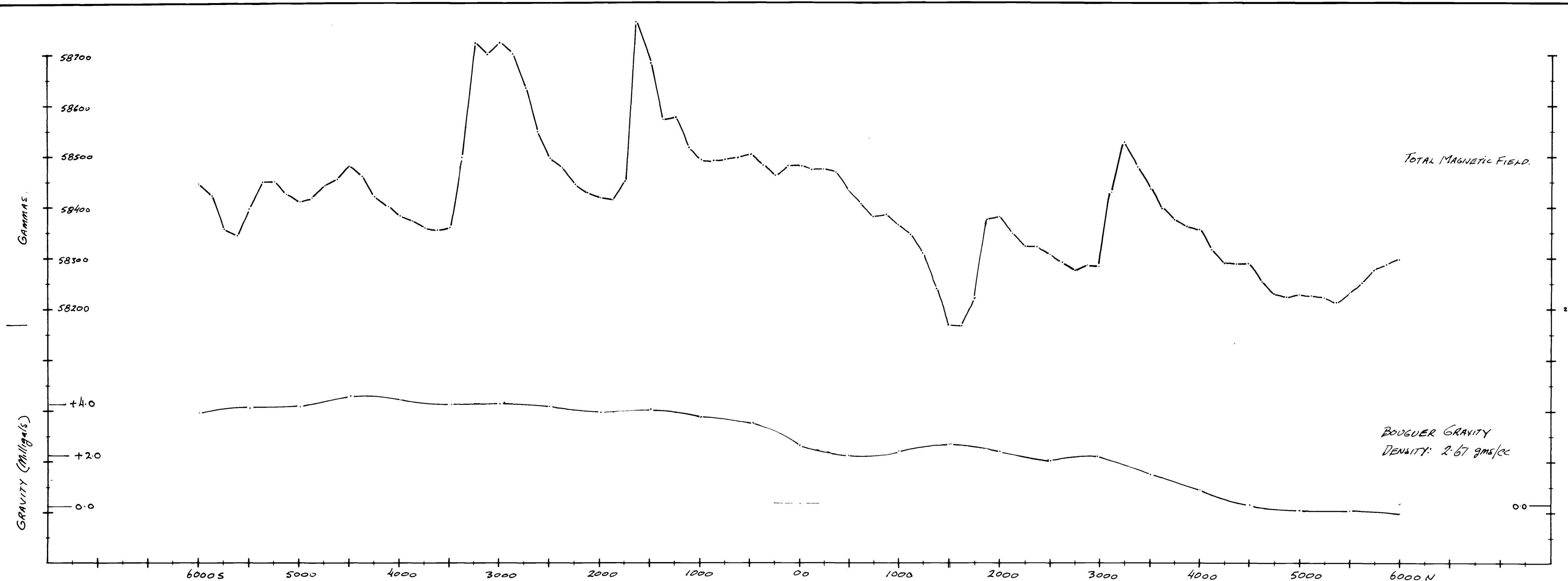
DATA SCALE *1:25000*

SURVEYORS *G. RAO. R. JOHNSON*

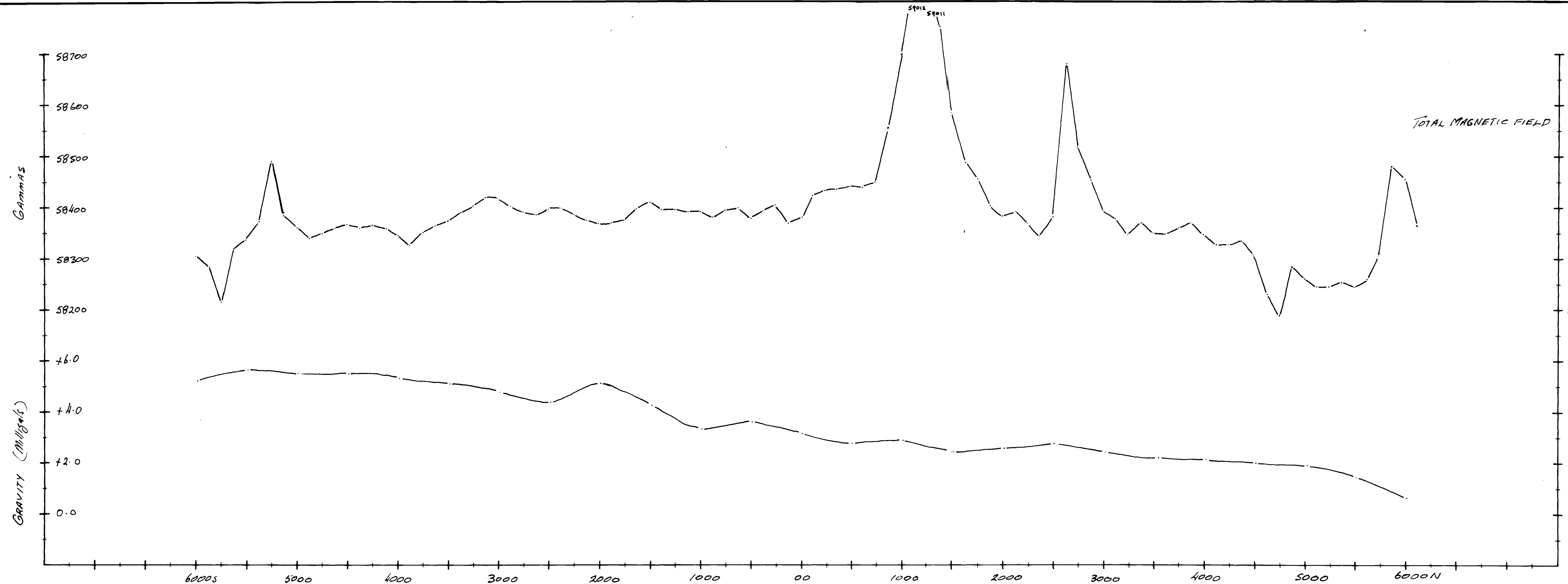
DATE OF SURVEY *AUGUST 1977*

PLOTTED BY *G. RAO*

BOUGUER GRAVITY DENSITY *2.67 gms/cc*



3131-3



SOLO GEOPHYSICS AND CO.

GRAVITY SURVEY WITH LEVELLING

CLIENT *C.R.A. EXPLORATION PTY LTD*

AREA *LAKE GARDNER S. AUST.*

GRID *EL. NO. 362*

LINE *6W* BRG *353°*

GRAVITY METER *LACOSTE No. 637*

CALIBRATION *PER CHART*

DATA SCALE *1:25000*

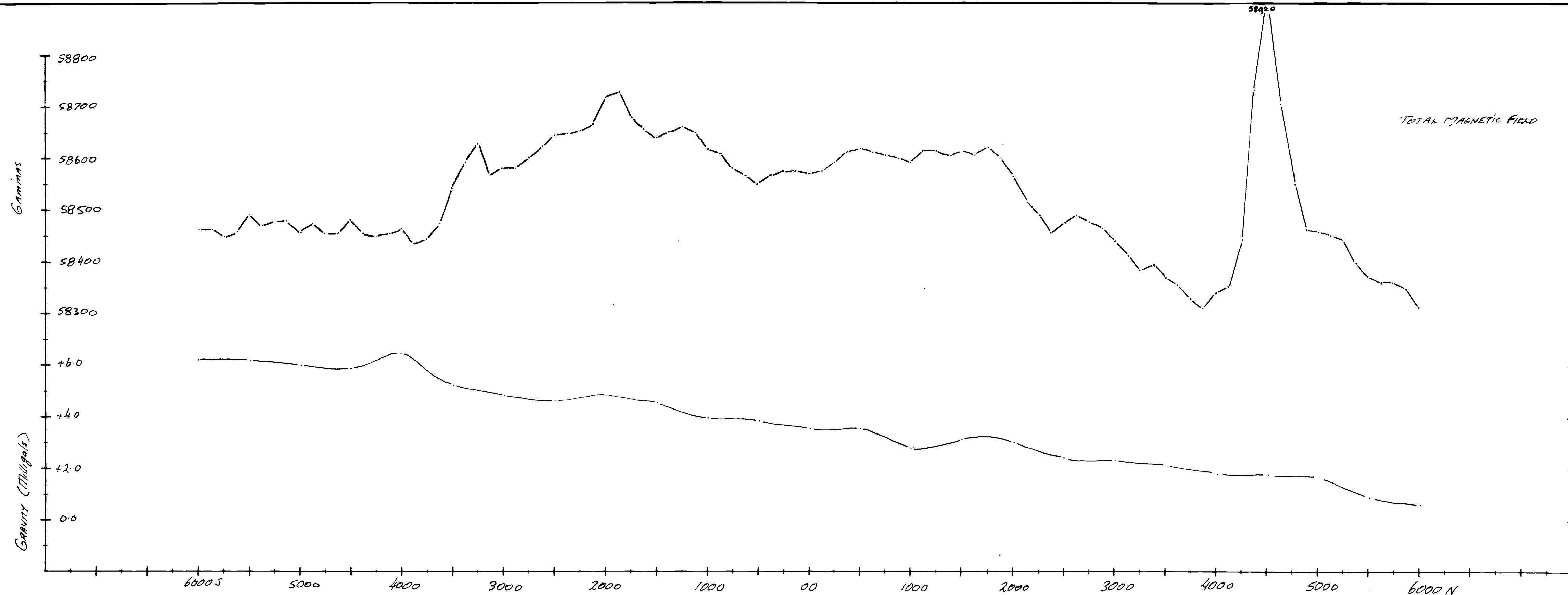
SURVEYORS *G. RAO, R. JOHNSON*

DATE OF SURVEY *AUGUST 1977*

PLOTTED BY *G. RAO*

BOUGUER GRAVITY *DENSITY 2.67 gms/cc*

3131-4



SOLO GEOPHYSICS AND CO.

GRAVITY SURVEY WITH LEVELLING

CLIENT *C.R.A. EXPLORATION PTY. LTD.*

AREA *LAKE GARDNER S. AUST.*

GRID *E.L. No 362*

LINE *8W* BRG *353°*

GRAVITY METER *LACOSTE No. G-37*

CALIBRATION *PER CHART*

DATA SCALE *1:25000*

SURVEYORS *G. RAU, R. JOHNSON*

DATE OF SURVEY *AUGUST 1977*

PLOTTED BY *G. RAU*

BOUGUER GRAVITY DENSITY *2.67 g/cm³*

3131-5

SOLO GEOPHYSICS AND CO.

GRAVITY SURVEY WITH LEVELLING

CLIENT *C.R.A. EXPLORATION PTY LTD*

AREA *LAKE GARRNER, S. AUST*

GRID *E.L. No. 362*

LINE *10W* BRG *353°*

GRAVITY METER *LACOSTE No. 2-37*

CALIBRATION *PER CHART*

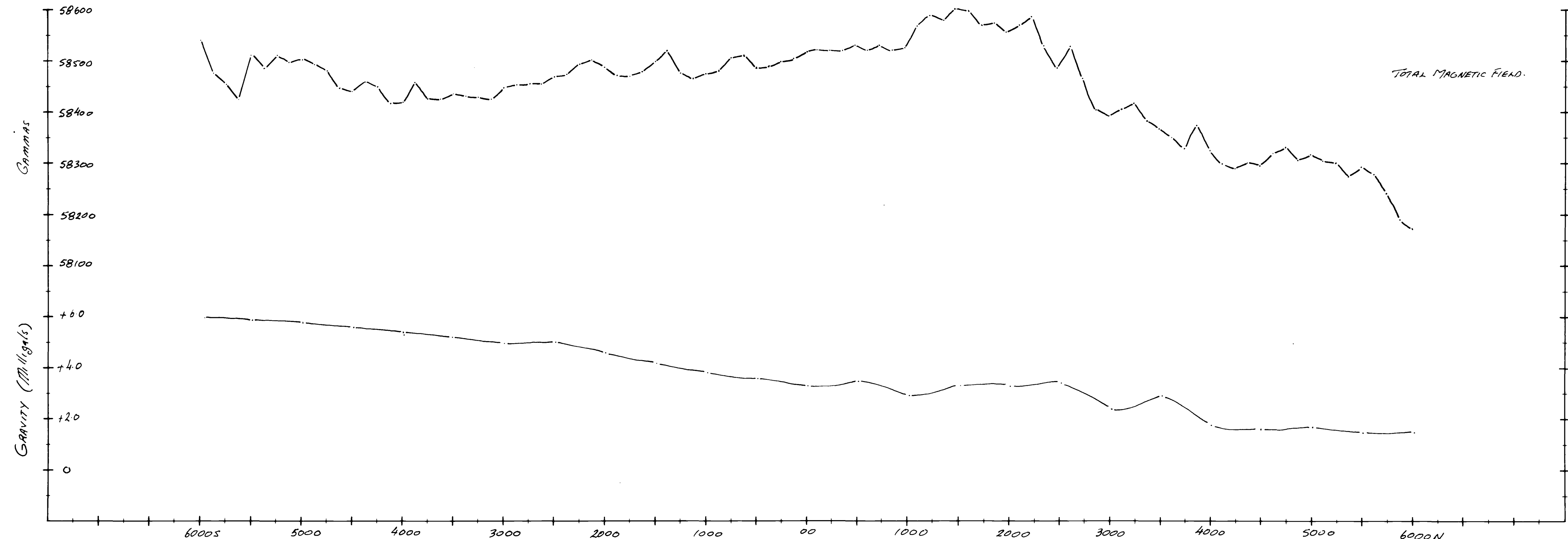
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SURVEYORS *G. RAU R. JOHNSON*

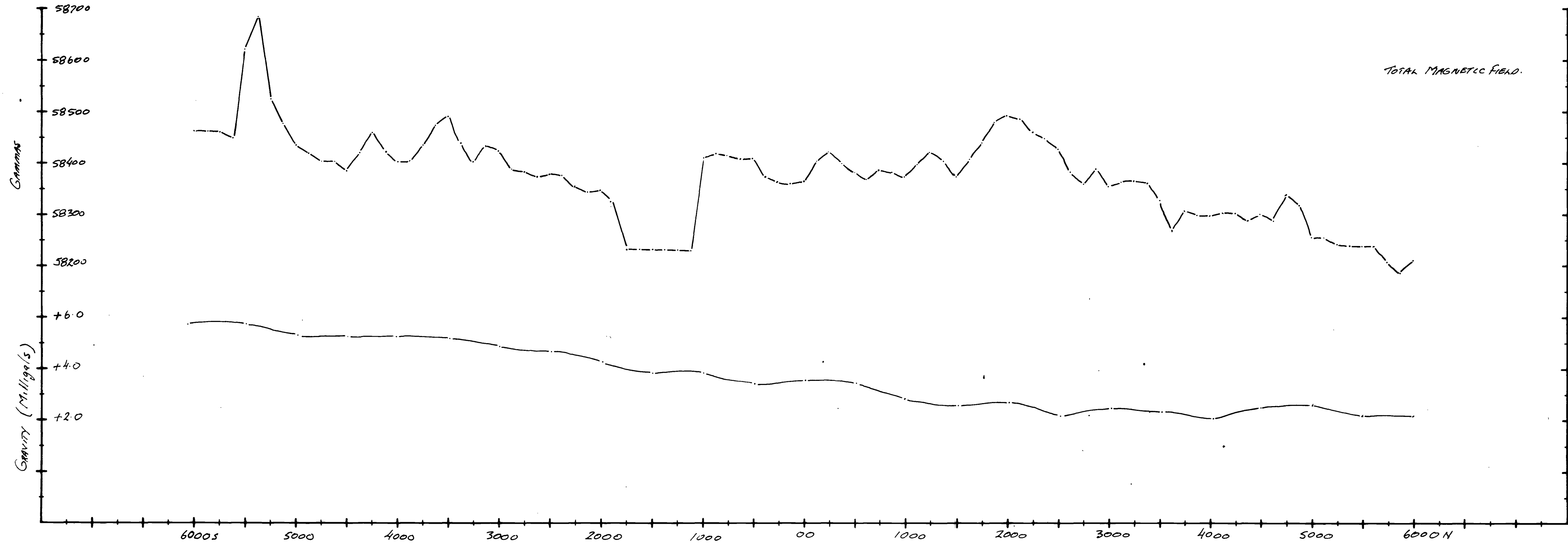
DATE OF SURVEY *AUGUST 1977*

PLOTTED BY *G. RAU*

BOUGUER GRAVITY DENSITY *2.65 gms/cc*



3131-6



SOLO GEOPHYSICS AND CO.

GRAVITY SURVEY WITH LEVELLING

CLIENT C.R.A. EXPLORATION PTY LTD

AREA LAKE GARDNER S. AUST.

GRID E.L. No. 362

LINE 12W BRG 353°

GRAVITY METER LACOSTE No. G37

CALIBRATION PER CHART

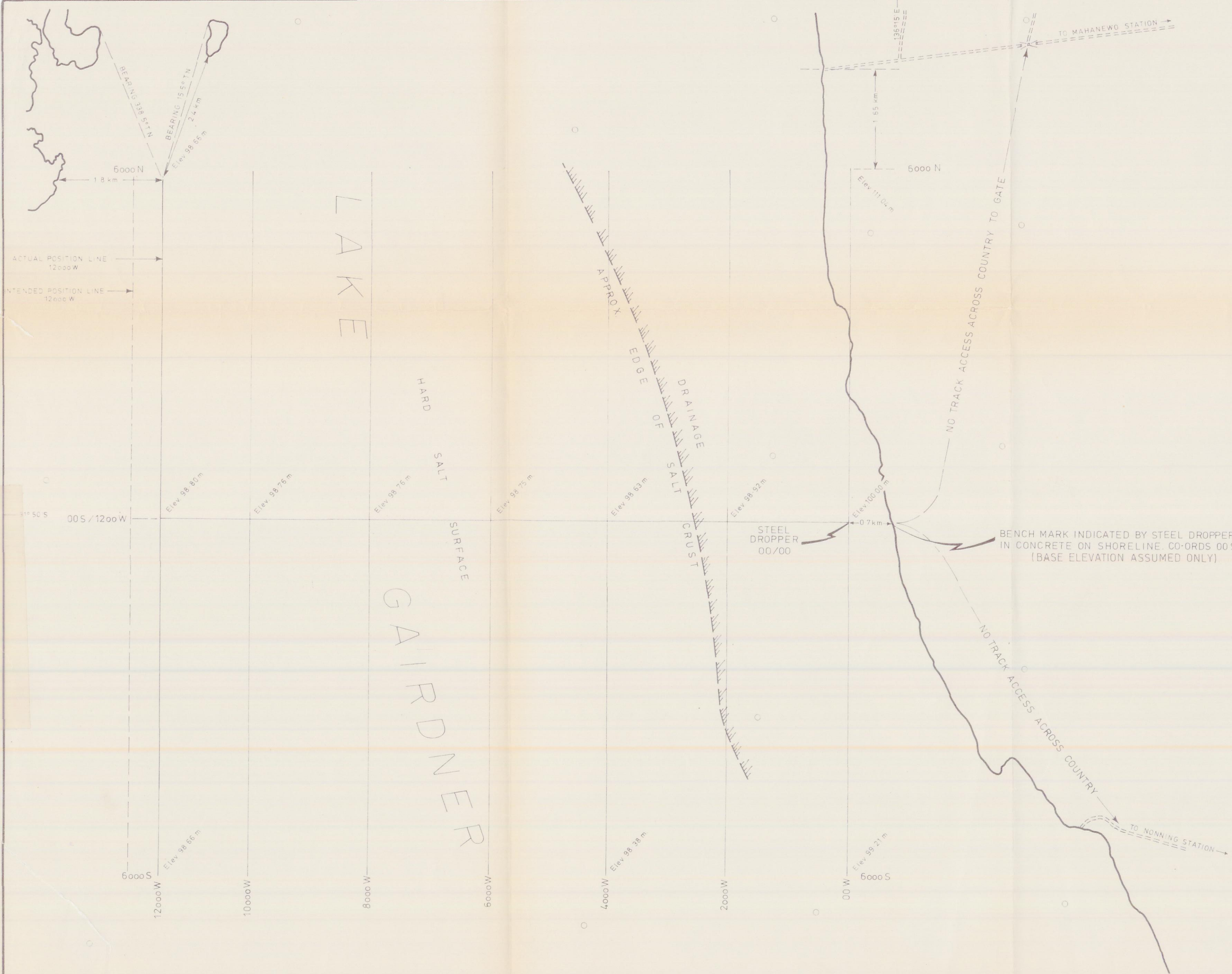
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SURVEYORS G. RAO, R. JOHNSON

DATE OF SURVEY AUGUST 1977

PLOTTED BY G. RAO

3131-7



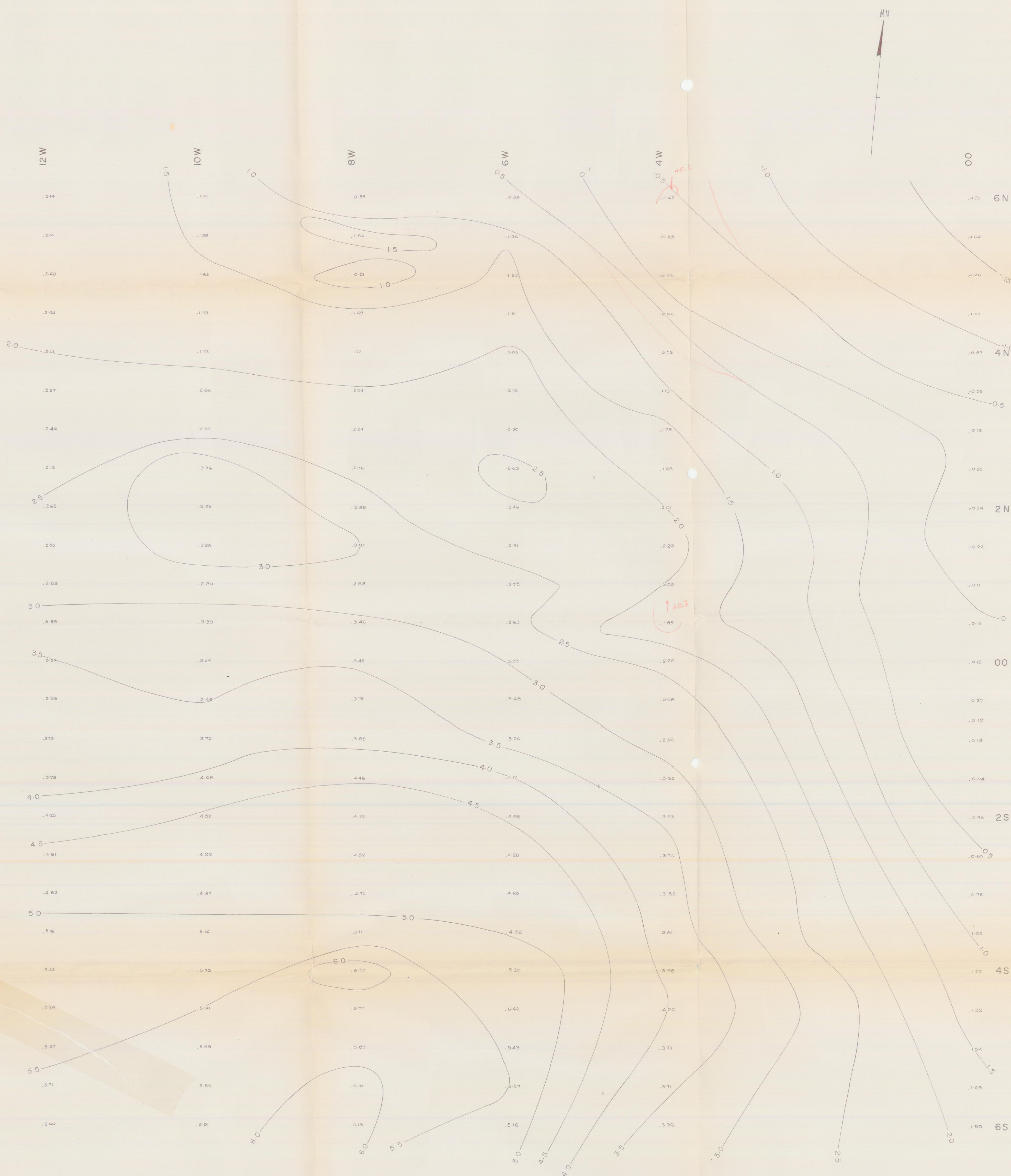
3131-8

C.R.A EXPLORATION PTY. LIMITED.

LAKE GAIRDNER E.L.362
GEOPHYSICAL GRID PLAN

SHEET REFERENCE: GAIRDNER SH53-15

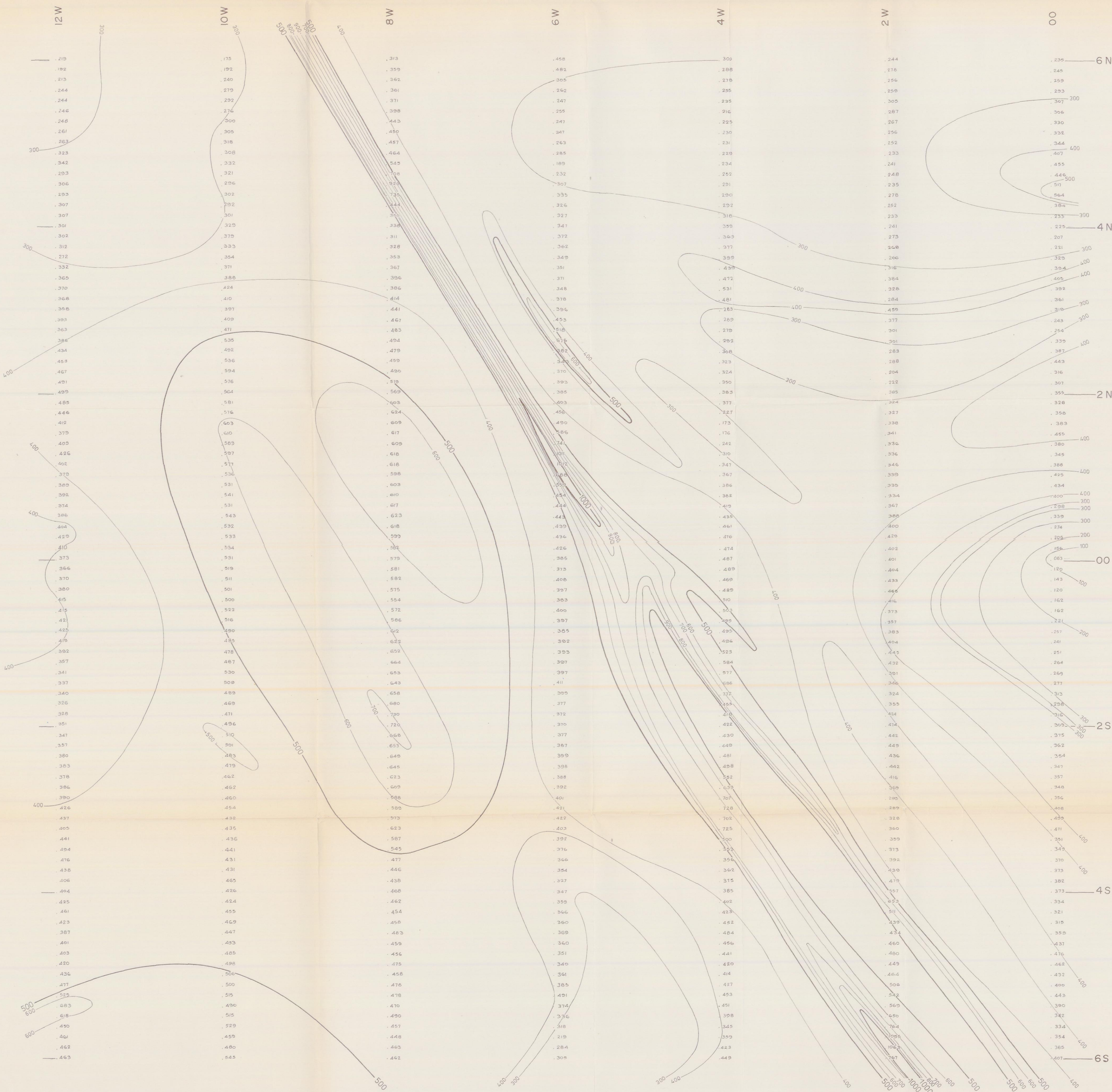
Grid set out by	SOLO GEOPHYSICS & COMPANY	Date	AUG 1977
Report No.	Drawn D.R.W	Plan No.	SAa 147



3131-9

C.R.A. EXPLORATION PTY. LIMITED			
LAKE GAIRDNER E.L. 362			
BOUGUER GRAVITY MAP			
SHEET REFERENCE GAIRDNER SH 53-15			
Geophysics by	SOLO GEOPHYSICS & COMPANY	Date	AUG. 1977
Interp.	D.L.A.	Drawn	D.R.W.
Scale	1:25,000	Plan No.	S.A. 149

MN



3131-10

C.R.A. EXPLORATION PTY. LIMITED.			
LAKE GAIRDNER E.L. 362			
GROUND MAGNETIC MAP			
OF TOTAL INTENSITY			
SHEET REFERENCE: GAIRDNER SH53-15			
Geophysics by: SOLO GEOPHYSICS & COMPANY.	Date: AUG & NOV 1977		
Interp: D.L.A., D.R.W.	Drawn: D.R.W.	Scale: 1:25,000	Plan No. SAQ 148