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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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Minerals and Energy Resources

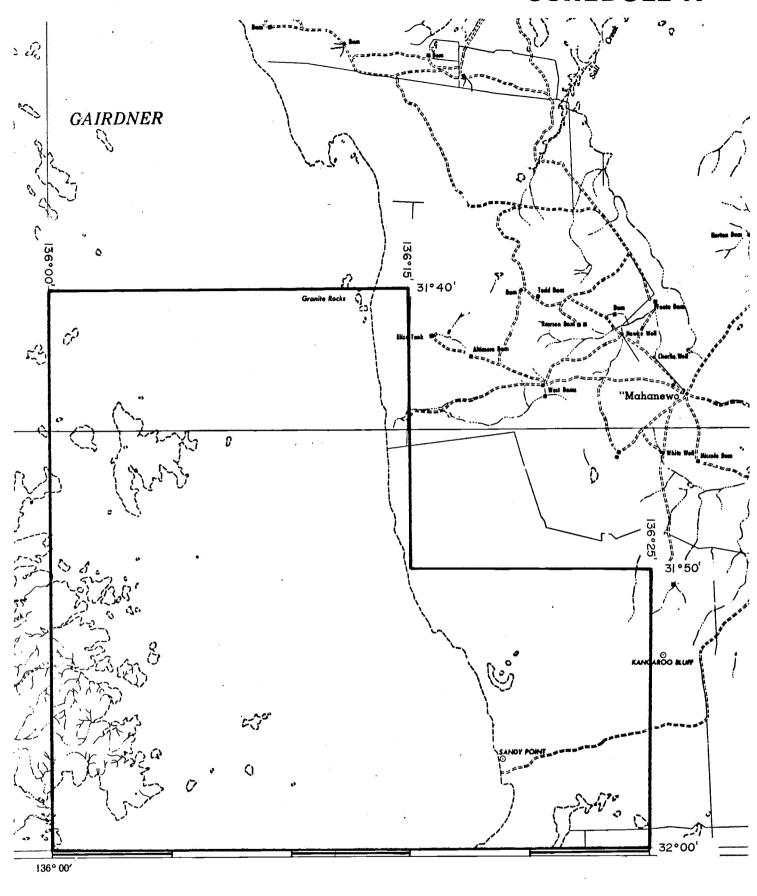
7th Floor

101 Grenfell Street, Adelaide 5000

Telephone: (08) 8463 3000 Facsimile: (08) 8204 1880



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

SURPENIDEREL

E.L. No.: 362

CONTENTS ENVELOPE 3131

TENEMENT: E.L. NO. 362

TENEMENT HOLDER: CRA Expl. Pty. Ltd.

REPORT:	Final Report		(Pgs. 3-65)
PLANS:	Gravity Svy. with Levelling	Line 00W	3131-1
	***	2W	3131-2
	tt	4W	3131-3
	11	6W	3131-4
	11	8W	3131-5
	11	1 O W	3131-6
	11	12W	3131-7
	Geophysical Grid Plan		3131-8
	Bouger Gravity Map		3131-9
	Ground Magnetic Map of Tota	al Intensity	3131-10

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.



CONTENTS

		Page
1.	INTRODUCTION	1
2.	GEOLOGY	1
3.	GEOPHYSICS	1
4.	CONCLUSIONS & RECOMMENDATIONS	2
LIS	T OF ATTACHMENTS	3

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 barametric 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 GAIRDHER G.AUST. E.L. No.326 362

PERIOD: AUGUST/HOVEMBER 1977

FIELD NOTES

GRAVITY, 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:

required to complete the survey.

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.

OOW/OOS was used as initial gravity base station. This was tied to 4W/ OOS 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.

OOS/4W was used as the base station.

A tie was made between OOS/OOW and OOS/.7E (the permanent marker)

All data was calculated relative to OOS/.7E

Because of the drainage the tie between OOS/OOW - OOS/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

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

SOLO GEOPHYSICS AND CO. GRAVITY SURVEY

CLIENT: CRA EXPLORATION

METER: WORDEN No. 274

AREA:

E.L. 362

METER CALIBRATION: .09161 Mg/S div.

P1. .

ĠRID:

BOUGUER DENSITY: 2.2 2.4 2.67 gms/cc.

Lake Gairdner LINE: 006/

DRIFT CORRECTION: -1-14 Scale div/hr

LINE MAGNETIC BRG: 353*

AREA MAGNETIC VARIATION: 7° E

BASE STATION: 700E/00S

BASE NOMINAL GRAV:

OPERATOR: G.Rau.

BASE NOMINAL ELEVN:

BASE LATITUDE: 31 49 58" S

DATE: August & November 1977

				P1 12 P3	BOUGUE	R GRAV
Station	Obs. Grav s./divs.	Time	Elevn.	ρ,	ρ	
		-		/ /	12	Ps
00 ^W /00 s.		9.30	10000	0:14	0.15	0.16
\$∞	1456.2	9.38	99.95	0.26	0.27	0.20
750	1457.4	9.44	99.93	0.18	0.19	0.20
1000	1459.5	9.49	99.90	0.17	0.18	0120
1500	1461.3	9.52	99.81	70.05	0.04	0'02
2000	1470.0	10.00	99.70	0.35	0.56	038
2500	1477.4	10.05	99.63	0.64	0.65	0.67
3000 3600	1483.1	10:11	99.54	0.77	0.78	0.80
3500	1489.9	10.12	99.47	1.00	1.02	1.04
4000	1496.3	10.20	99.41	1.20	1.22	1.24
4500		10.25	99:35	1.31	1.32	1.34
5000	_ 1	10:37	99.27	1.52	1.54	1.26
5500		10.42	99.27	1.68	1.69	1.72
60003	1520.6	10.48	99.21	1.89	1.90	1.93
W/						
00/wa	1452.6	11.15				
						

SOLO GEOPHYSICS AND CO. GRAVITY SURVEY

CLIENT: CRA EXPLORATION

METER: WORDEN No. 274

AREA:

E.L. 362

METER CALIBRATION: .09161 Mg/S div.

GRID:

BOUGUER DENSITY: 2.2 2.4 2.67 gms/cc.

LINE:

00 W.

Lake Gairdner

DRIFT CORRECTION: 0.18 Scale div/hr

LINE MAGNETIC BRG: 353°

AREA MAGNETIC VARIATION:

7° E

BASE STATION: 700E/00S

BASE NOMINAL GRAV:

OPERATOR: G.Rau.

BASE NOMINAL ELEVN:

BASE LATITUDE: 31

491 58" S

DATE: August & November 1977

	Obs. Grav.		1 .	P. 12 PS	BOUGUE	R GRA
Station	s./divs.	Time	Elevn.	Pi	Pz	P3
oou/oos.	145216	11:15	100:00	0.14	0.15	0.10
800N	1448.4	11.21	100.07	.13	.14	.16
1000	1441.5	11.25		12	11	-110
1500	1436.0	11:30	100.28	- ⋅23	22	F 12
2000	1430.7	11:34	100.88	22	- 22	21
2500	1420.2	1139	103.62	- 23	125	- 2
3 <i>00</i> 6	1421.4	1145		-13	-13	- 12
3500	1411.6	11.50	, T	54	122	56
4000	1389.0		109.08	81	-187	9
4500	1383.0		108.99	- 1:01	- 1.07	-11
2000	1377.5		108.68	-1.22	-128	-1.3
5560	1366.2		110.15	-1.57	-1.64	-1.7
6000N	1359.2		111-04	-1.66	-1173	-1.8

20W/80:	1452.3	12.56				
···						
					T	

SOLO GEOPHYSICS AND CO. GRAVITY SURVEY

CLIENT: CRA EXPLORATION

METER: WORDEN No. 274

AREA:

E.L. 362

METER CALIBRATION: .09161 Mg/S div.

GRID:

BOUGUER DENSITY: 2.2 2.4 2.67 gms/cc.

LINE:

4000 W

Lake Gairdner

DRIFT CORRECTION:

OO Scale div/hr

LINE MAGNETIC BRG: 353*

AREA MAGNETIC VARIATION:

BASE STATION: 700E/00S

BASE NOMINAL GRAV:

OPERATOR: G.Rau.

BASE NOMINAL ELEVN: BASE LATITUDE: 31 49 58" S

DATE: August & November 1977

			<u> </u>	49' 58		no	igust &
					P1 12 P3	BOUGUE	R GRAV.
	Station	Obs. Grav. s./divs.	Time	Elevn.	ρı	Pı	P ₃
	$\infty W/e u^{S}$	14517	13.40	100.00			
L	4w/005	1477.4	13.52	98.64	2.20	2.22	2.25
. ,	\$ 003	1490.5	13.56	98.74	3:06	3.0.8	3.11
	1000	1497.5	14.00	98.76	3.34	5.36	3.39
	1500	1504.3	14.04	98.76	3.60	3.62	3.65
	2006	15073	14.07	9873	3.50	3.53	ટ. ફેડ્ર
	2500	1514.1	14.10	98.62	3.74	3.76	3.79
	3000	1518.5	14.15	98.71	3.80	3.82	3.85
	3500	1522.4	14.17	98.70	3.79	z·81	3.84
	4000	1528.5	14.22	98.55	3.96	3.98	4.01
	4500	153515	14.26	48.55	4.23	4.26	4.29
1	5000	1534.1	14.29	48.55	3.74	3.77	3.80
ı	5500	1537.9	14.33	48.37	3.69	3.71	3.75
	6000S	1540.2	14.38	98.38	3.54	3.56	3.60
١				'			
	00/4000W	1477.4	14.48				
٦							
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OUU13 AND CO. GRAVITY SURVEY

CLIENT: CRA EXPLORATION

METER: WORDEN No. 274

AREA:

E.L. 362

METER CALIBRATION:

.09161 flg/S div.

GRID:

Lake Gairdner

BOUGUER DENSITY: 2.2 2.4 2.67 gms/cc.

LINE: 4000W.

DRIFT CORRECTION: 0.30 Scale div/hr

LINE MAGNETIC BRG: 353°

BASE STATION: 700E/00S

AREA MAGNETIC VARIATION:

BASE NOMINAL GRAV:

OPERATOR: G.Rau.

BASE NOMINAL ELEVN: BASE LATITUDE: 31

491 5811 S

DATE: August & November 1977

		1		_		ugust
Station	Obs. Grav.			P1 P2 P3	BOUGU	ER GRAV
Station	s./divs.	Time	Elevn.	Pi	P ₁	PS
3.00						
200/4W		14.48	98.64	2.20	2.22	2.25
500 N		14.52	97.75	1:82	1.85	1.89
1000	1469.0	14.57	97.77	1.97	2:00	2.04
1500	14 68.2	15.00	97.76	2.26	2.29	2.33
2000	1461.1	15.05	97.77	1.98	2.01	2.05
2500	1453.4	15.00	97.74	1.63	1.66	170
3000	1451.0	15.14	97.67	1.76	1.79	1.83
3500	1440.1	12.18	97.53	1.10	1113	1.17
4000		15.25	97.76	0.50	0,53	0.57
4500		15.33	(97.80	-0.09	-0.06	-0.02
2000		15.45) * 4	-0.29	-0.26	-0.22
6000 N	1408.0	12.22) 84	-0.32	-0.29	-0.25
0000 15	1402.5	16.11) 3 4 2 4 2 4 4 4	-0.45	-0.42	-0.38
00/4000W	1/12/ 0					
39/700	14 70.4	6-27				
				·		
			-			
			, <u></u>			
						
	· · · · · · · · · · · · · · · · · · ·					
						

00014 CO. GRAVITY SURVEY

CLIENT: CRA EXPLORATION METER: WORDEN No. 274

AREA:

E.L. 362

METER CALIBRATION: .09161 Mg/S div.

GRID:

Lake Gairdner

BOUGUER DENSITY: 2.2 2.4 2.67 gms/cc.

LINE: TIE-in. 005/00W = 005/4000W, DRIFT CORRECTION: O Scale div/hr

LINE MAGNETIC BRG: 353 · /

AREA MAGNETIC VARIATION:

7 ° E

BASE STATION: 700E/00S

BASE NOMINAL GRAV:

OPERATOR: G.Rau.

BASE NOMINAL ELEVN:

BASE LATITUDE: 31 49 58" S

 	r	31	49 ' 5	0 0	DATE: A	ugust
Station	Obs. Grav.			P1 12 P3	BOUGU	ER GRAV
Station	s./divs.	Time	Elevn.	Pı	Pı	P ₃
00/4000W	1476.9	16.27				
005/00W	14512	16.47		:		
005/4000W	1476.9	16.56				
00/00~	1451.2	12.05.				
						1

Notes:

 Δ_1

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:

DRIFT CORRECTION: Scale div/hr

LINE MAGNETIC BRG: 353*

BASE STATION: 700E/OOS

AREA MAGNETIC VARIATION:

7° E

BASE NOMINAL GRAV:

BASE NOMINAL ELEVN:

OPERATOR: G.Rau.

Station Obs. Grav. Time Elevn. R. P. P. P. A. Cow/co S. 2964.44 20.20 D. Cow/co S. 2964.86 20.46 D. Cow/co S. 2964.86 D. Cow/co S. 2964		BASE	LATITUDE:		49 5	8" S	OPERA DATE:	Atague	G.Rai ∍t &	ı. Novem	ber	1977
Δ. του του 2964.44 20.30 Δ. του του 2964.86 20.40 Δ. του του 2964.86 20.40			s./divs.	Time		P1 12 P	BOU	GUER GR	AV.			
οον/οος 2964.44 20.30 Δ, σον/οος 2964.86 20.40	11 €	700,00 \$	2964.44	20.10					==			
D, con/oos 2964.86 20.46	Δ,	00 ^W /00 s.	2964.86	20.20						•	•	
	۵۵	700 / 00°	2964.44	20.30								
	Δ,	200/00s.	2964.86	20.40								
	-											
	-											
	-								1			
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												•

SOLO GEOPHYSICS AND CO. GRAVITY SURVEY

CLIENT: CRA EXPLORATION

AREA: E.L. 362 METER: LACOSTE No. G- 37

METER CALIBRATION: as per chart

GRID: Lake Gairdner

BOUGUER DENSITY: 2.2 2.4 2.67 gms/cc.

LINE: 6000 K

DRIFT CORRECTION: Scale div/hr

LINE MAGNETIC BRG: 353°

BASE STATION: 700E/00S

AREA MAGNETIC VARIATION: 7° E

BASE NOMINAL GRAV:

OPERATOR: G.Rau.

BASE NOMINAL ELEVN:

BASE LATITUDE: 31 49 58" S DATE: August & Movember 1977

			31	49 58	3" S	DATE:	ugust (&
	Station	Obs. Grav.	Time	Elevn.	P1 P2 P3		ER GRAV.	1
$\Delta_{\mathcal{Z}}$	00 ^S /4000 ^W 00 ^S /6000W 500 ^M 1000	67.70	7.08 7.25 2.37	9800	2.97 2.60	2.99	3.02 2.66	
	1500 2000 2500 3000 3500	65.61. 7 64.95	7.40 7.43 7.47 7.52 7.52 7.51		2·73 2·29 2·44 2·61 2·28	2.75 2.31 2.46 2.63 2.30	2.78 2.34 2.49. 2.66 2.33	
Ł	4500 5000 5000 5500	64.01 .8 63.53 .8 63.12 .8 62.31 .8	0.06 0.10 0.14 0.18	2	2.13 .03 .89 .83 .31	2.16 2.05 1.91 1.85 1.36	2.19 2.08 1.94 1.88	
		8	23	0.	56 0	0.58 0	6!	
								4
	Notes:							

00017 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: 8000 W

DRIFT CORRECTION:

Scale div/hr

LINE MAGNETIC BRG: 353°

BASE STATION: 700E/00S

AREA MAGNETIC VARIATION:

BASE NOMINAL GRAV:

BASE NOMINAL ELEVN:

OPERATOR: G.Rau.

BASE LATITUDE:

31 49! 58" S DATE: August & November 1977

			-						
		01- 0			P1 12 P3	BOUGUE	R GRAV.		
	Station	Obs. Grav	Time	Elevn.	1				
					Pı	Pz	P ₃		
	power N	2961.18		19875	0.63	υ·55	<u>्र</u>		
۲		<i>b</i> 2· <i>8</i> 6	8,49	/	1.57	1.60	1.62		
۲	5 6 00	61.77	844		0.79	0.81	0.84		
	4500	63.29	B.55		1.66	1.69	1.72		
ı	4000	63.67	101.00		1.70	1.72	1.75		
Ì	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		
ŀ	2000	66.12	9.17		2.86	2.88	2.91		
	1500	66.66	9.22		3.03	3.05	3.08		
1	1000	66.65	9.26		2.66	2.68	2.71		
-	500	67-74	9.31		3.44	3.46	3.49		
ŀ	<u></u>	68.07	9.36		3.43	3.45	3.48		
-	500s	68.70	9.41		3.73	3.75	3.78		
-	1000	69.11	9.45		3.83	±\85	3.88		
ŀ	1500	70.00	9.49		4.44	4.46	4.49		
Ļ	2000	70.68	9.54		4.72	4.74	4.77		
Ļ	2500	10.81	3.59		4.50	4.52	4.55		
L	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	1049		5.87	5.89	5.92		
_	5500	74.37	10.54		6.08	6:10	6.13		
L	60005	<u> 74-74</u>	11.00		bill	6.13	6.16		
L									
L							*		
L									

.00518

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.

DRIFT CORRECTION: + C/3 Scale div/hr

6000W LINE:

BASE STATION: 700E/00S

LINE MAGNETIC BRG: 353° AREA MAGNETIC VARIATION:

BASE NOMINAL GRAV:

BASE NOMINAL ELEVN:

OPERATOR: G.Rau.

BASE LATITUDE: 31 49' 58" S

DATE: August & Lovember 1977

	T	+					
	01- 6			PIPE PS	BOUGUE	R GRAV.	
Station	Obs. Grav.	Time	Elevn.	1			
				Pı	Pı	Ps	
6000 5	2973.61	11.15	98.70	5-1-1	5.16	549	
2200	73.85	11:22	ļ,	5.50	5.57	5.60	
5000	73:36	11.40		5.41	5.43	5146	
4500	773.01	11.35		5.40	542	5.45	
4000	72.44	11.50		5.18	5.20	5.23	
3500	71.88	11.56	 	4.96	4.98	5101	
3000	71.25	12.03		4.66	4.69	4.71	
5200	70.51	12:10		4.26	4.28	4.31	
2000	70.83	12.14		4.96	4.98	5101	
1500	69.71	12.20		4115	4.17	4120	
1000	68.49	12.25		2024	3.26	3.29	
500, 3	68.35	12:31		3.46	3.48	3.51	
00°/4w	66.81	12-45.					
END	FLOOP						
							
-							
							
	<u> </u>						
						. ""	

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: -O. - | Scale div/hr

LINE MAGNETIC BRG: 353°

AREA MAGNETIC VARIATION:

P10.

BASE STATION: 700E/00S

BASE NOMINAL GRAV:

BASE NOMINAL ELEVN:

OPERATOR: G.Rau.

BASE LATITUDE: 31 49 58" S

DATE: August & November 1977

-1			1					
					P1 12 P3	BOUGUE	R GRAV.	
	Station	Obs. Grav. s./divs.	Time	Elevn.				
					Pı	Pı	Ps	
	00 s/4000W	2966.81	12:45	9870				
	,							
-	05/1000W	67.78	13.26		3:22.	3.24	3.27	
ļ	500 N	67.57	18.31		3.36	3.39	342	
ŀ	1000	66-66	13.37		2.77	2.80	2.82	
1	1500	66.76	13.42		3.24	3.26	3.29	
l	2000	66.40	13:47		3.23	3.25	3.28	
1	2500	66.16.	13.52		3.34	3.36	3.39	
L	3000	64.82.	13.27		2.29	2.32	2:35	
	3500	64.99	1402		2.83	2.86	2.89.	
	4000	63.56	.14.07		1-70	(.72	1.75	
	4500	62.99	14.11		1.46	1.49	1.52	
	5000	62.77	14.15		1.60	1.62	1.65	
	5500	62.21	14.20		1.37	1.39	1.42	
	600001		14.25		1.30	1.41	1.44,	
					· · · · · · · · · · · · · · · · · · ·		1-1-1	
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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: 12000 W.

DRIFT CORRECTION: $-\circ \circ \circ$ | 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

			4 3 30	1	r	
				Pilz Ps	BOUGUE	R GRAV.
Station	Obs. Grav.	Time	Elevn.			
				ρ,	Pz	Ps
6000 /12000W.		14.33	98.70	2.12.	2.14	2.17
5500	62.93	14:38		2.12	2.14	211)
5000	63.60	14.42		2:46	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		2010	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
(ဝဝပ	66.71	15.26		2.81	2.83	2.86
5002	67:59	15.30		3/27	3.39	5.45
່ອບ	98,06	15:34		3.49	3,53	15,55
5005	68.29	15:37		3.37	3.39	5.415
1000	69.02	15:41		3.77	3:19	3-82
1500	69:35	15.45		3.75	3.78	3.81
2000	70.15	1551		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	5116	5119
4000	72.46	16.07	•	5119	5122	5.24
4500	72-83	16.12		5.22	5.24	5.27
5000	73.21	16.16		5.25	5.2.)	2,30
5500.	73.97	16:21		5.68	5.71	ちつり
60005	74.22	16.25		5.58	5.60	5.63.
	•					
	1					
						

00021 AND CO. GRAVITY SURVEY SOLO GEOPHYSICS

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.

P12,

LINE: 10000W

DRIFT CORRECTION: -- O O | 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

		1	10 00			Hickory O
				P1 12 13	BOUGUE	R GRAV.
Station	Obs. Grav.	Time	Elevn.			
				Pı	P ₂	Ps
60003/10000W	29741.51	16.32	9810	5.88	Sigi"	5,94
5500	74.06	16.37		5:18	5,80	5.23
5000	73.61	1641		5,67	5.69	·\$572
4500	73.09	16.49		5.48	5.50	5:53
4000	72.58	.16.55		5.31	5.33	5.36
3500	72.05	17:01		5.12	5.14	507
3000	71.45	17:05		4.85	4.87	4.90.
2500	71.15	17:10		4.90	4.92	4.95
2000	70.42	17:15	1	4.50	4.52	4.55
1500	69.66	17:30		4.06	4.08	4.00
(७७७	69.00	17.25		3.73	3.75	2.78
500 5	68.39	17:36		3.46	3.48	3.51
				11 2 4		
005/4000W	66.86	17.47				

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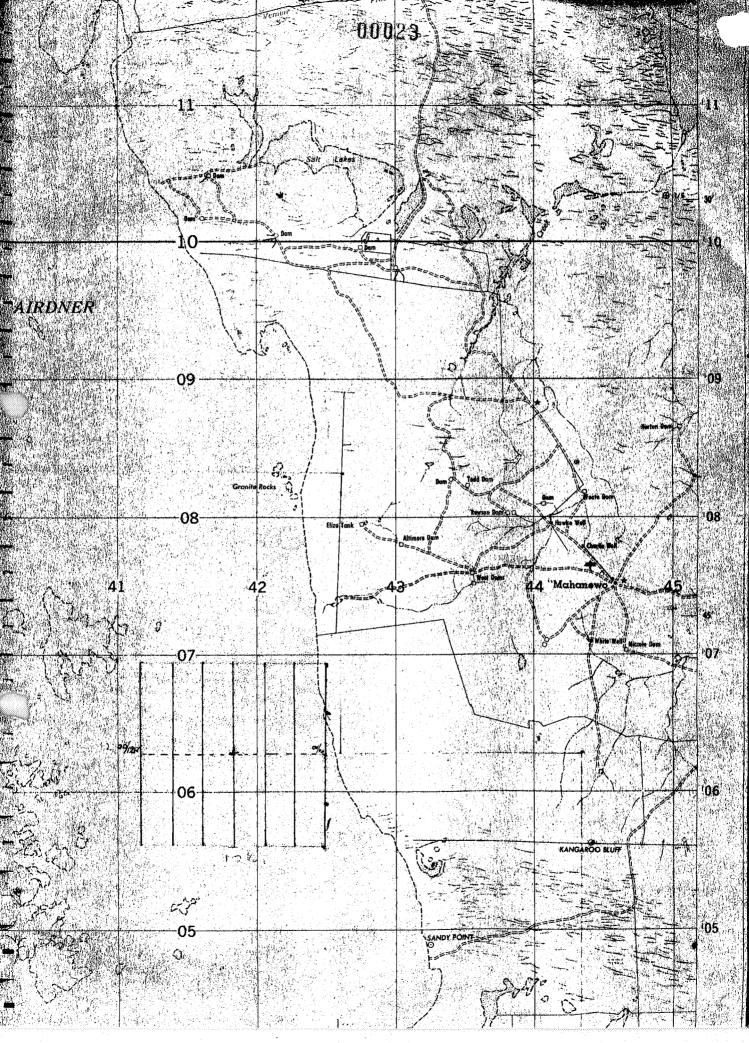
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TABLE I AD. UNI.

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
1	$\frac{1}{2} \left(\frac{1}{2} - \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} - \frac{1}{2} - \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} - \frac$				and the state of
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	19.11	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
5 700	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
, 1 200	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	5 2 0 0	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
29 00	3037.03	1.04755	6400	6706.64	1.04675
3000	3141.78	1.04765	65 00	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 1-25-63



LAIRE GAIRPINER. S AUST 00024

"LIENT: CRA EXPLOXATION PTYLAN AREA: 62-362 LINE: DATE: AUGUST 1977 PERATOR: UNIT NO: LAT: READ'G 1 TIME CORR'N READ'G 2 REMARKS PRAGNETIC SURVEY SERAL NO. 484 Solo Grormysics Anoco.

	- 0	<u>, </u>	AREA:	I ma Care		
CLIENT:	<u> </u>	<u>∜</u>		DATE:	30 8	7
LINE:	<u> </u>	<u>J.</u>	UNIT		LAT:	
OPERATO				MEAD'S 2	REMARKS	
STATION	READ'S 1	TIME	CORR'N		<u> </u>	
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875	229	17		233		
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LINE:	$-\frac{c}{2}$	<u>)</u>		DATE:	30.8.
OPERATO	R:		UNIT	NO:	LAT:
1875	READ'S 1	31119	CONS.N	READ'S 8	REMARKS
2000M	288	3.50	+7	335	
125	216	3.51	76	22.32	
250	198	3.54		204	\
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χ»	291	350		301	******************
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0000	JSY	400	• • • • • • • • • • • • • • • • • • • •	459	
125	278	401		284	
250	321	Joy		328	
725	317	403		384	
3500	330	Joy		736	*******************
bu	260	405		286	
750	262	وادلم		268	
87	267	507	+5	273	
4000	236	4.10		241	
175	VV 8			233	8,51884.00140,000
210	247	47		252	
375	273	43		278	***************************************
4500	230	1		235-	

<i>,</i>	10240 14	CLIENT	CRI	A		ARE	1: LANGE GAN
	-	LINE:	zv	ر		DATE	
•	~	OPERAT	OR:		UNIT	NO:	LAT:
•	-	STATION	READ'S 1	TIME	CORR'N	READ'S 2	REMARKS
		375	375	320	48	28383	
•	••	750	3.79	3.21		357	
•	••	625	365	3.72		3 /3	
•	•.	2007	403	37.2		416	
•	•	375.	160	325		468	
•	•	250	425	3-26		433	
•		1253	20%	3.28		404	
•	•	00·	393	3.30		401	
•	٠.	125 N	394	3-3/		402	
,		250	421	37	**********	420	
.•	•	375	392	3-33		400	
		100	380	3.3		384	
Ż		615	360	3.35	47	367	
•	•	150	327	3.36		374	
•	٠	815	332	3-37		379	
	••	000	337	338		339	
**		1178	339	374	************************	346	
		1250	329	34,		336	
	!	375	329	j.u'		316	
		4	334	347		340	
		1675	33	3.45		338	
		1750	310	347	· · · · · · · · · · · · · · · · · · ·	327	
			STATES AND DESCRIPTION				

	CLIENT:	CR	AREA	LAVE GA		
_	LINE:	کس	1		DATE:	30.8.71
_	OPERATO	R:		TINU	NO:	LAT:
_	STATION	READ'S 1	TIME	CORR'N	BEAD-6 3	REMARK.
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	250	350	301		360	
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•	30005	280	303	+9	289	
, 1 . 4 .	875	286	30∀		295	
841	750	360	305		369	-companies of the companies of the compa
	625	407	306	.,,	416	# CA44 6 8 40 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
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•	375	427	308		436	
	250	46	304		449	in the same of the
b	125	433	310		442	
	2000	465	311	<i>/</i>	474	race dus édit aveus sur escretions es es escretions es es escretions es es escretions es es es es es es es esc Estados es estados es es estados
•••	875	415	317	1	424	
,	750	346	313		322	
	625	315	314		324	- 500 00 00 00 00 00 00 00 00 00 00 00 00
•••	580	337	315		746	
	375	387	31%		391	
	250	423	317		432	***********
••.•	125	436	1319		445	
	1000	1 396	210	+8	404	
			- with the second			

CLIENT:	CRA	<u> </u>			is howse band
LINE:	2W	1		DATE	Mary Adult Mary
OPERATO	R:		TINU	NO:	LAT:
STATION	READ'G 1	TIME	CORR'M	READ'G 8	REMARKS
. 3 400 au	58071	2.27	+12	58083	**********************
and the same			. Payesinson		***********************
6.800S			+11	58767	is con openia a disposition a constant
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875		103		449	
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	450	153		460	
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	400	1-		4 MARIE A	In a Chan
CLIENT:	12	1/0	RA	DATE:	LAKE GMAN
LINE:	12	<u>~_</u>	UNIT I		LAT
OPERATO				READ'S 2	REMARKS.
HOITATE	READ'G 1	TIME	CORR'N	-	
45005	374	245	+13	58 367	
4625	388	ulh		401	*****************
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320	392	235		405		
3375	48	236		441		
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00035 CLIENT: CRA ARBA: I OK LINE: DATE: OPERATOR: UNIT NO: LAT: STATION READ'G 1 CORR'M TIME READW & REMARK X80 203 +12 58392 374 386 00 4of ALA 410 00 373 209 354 210 366 Xo 111 370 +13 36 380 Joo 415 64 415 750 421 425 1000 419 11X 231 592 232 3.5... 233 341 32 500 234 3.3.7 235 34 236 .32

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LINE:		W		DATE:	LAKE CAME
OPERATO	R:	<u> </u>	UNIT	سبب حسسسیب	LAT:
STATION	READ'S 1	TIME	CORK.N	READ'G &	REMARK
3375N	353	142	+12	58365	
3250	358	, J3		370	10au - 12au 40a 40a 40a 6a - 17 f 1955.
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Mo	433	151		467	
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7-000	497	153.		499	
1115	473	1.4		485	. a
1750	434	135		446	.,.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
16 75	100	150		412	
1500	367	157		379	
1315	397	158		409	
12/0	414	159		426	
IIX	390			402	- an approximation of the contract of the cont
one	367	201		379	
875	317	100	1	389	

	C Q	A /		AREA:	LAKE CAME
CLIENT:	73	W		DATE:	28.8
OPERATOI	R:		UNIT	NO:	LAT:
STATION	READ'S 1	TIME	CORR'N	READ'S 2	BEHANS
6000 N	207	120	+12	5824	
		121	,,,1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	192	
5.832	/80	128	 {	213	
1750	201				\$ 000 B # 44 0 0 0 B 44 0 4 44 0 B 0 0 5 10 10 10 10 10 10 10 10 10 10 10 10 10
JOM	ν 3 γ	124		244	
5500	232	125		2.64	
5375)3J	126		246	*4************************************
1Xo	136	127		248	e a sou haddaggen pag boss o a a sasad
	VI	1138		261	
. 5 25	249			263	***************************************
1000	XI	129		323	
4875	311	136			
U7/0	330	131		342	
JES	1 28	1 137		243	
4500	A	, , , ,	••••	30t	
***************************************			1	243	
4375		7	1	307	
4150	1 24.				
dir	5) 14.	1 13	6	307	
1 500	0 18	9 13	7	30	
011	5 29	4.00	9	30	L
1 30/	2 2	M	1	31	2
375	0 / 50	7		27	
36	ען צו	0 1		33	
1 30	30 30	0 1	11		

00**0**35 AREA: LAKE CANSES CLIENT: DATE: <u> 28.8.7</u> LINE: UNIT NO: **OPERATOR:** READ G 2 REMARKS CORR'N MOITATE READ'G 1 TIME 288 08 +12 58300 264 276 292 240 192 180 175 BODON

	CLIENT:	C	RA		AREA	
_	LINE:	/01	<u> </u>		DATE	28 · 8 · 72
	OPERATO	R:		UNIT		REMARKS
	HOITATE	READ'S 1	TIME	CORR'N	READ'S 2	, j
ī	2615 N	12	1244	+11	58535	
,	2750	400	1245		471	>
	2875	398	246		409	· o a consequence of the consequ
	3000	386	1247		397	i'a s ha e dhèir iri cau a dèir . e e a a chuna tair an eassaidh
	3125	399	12/8		A10	. 2 200 4 4 4 4 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6
1	3 1/4 0	413	1249	1	424	
•	3375	377	1250		388	
•	3700	360	1251		371	
4	3625	343	1254		356	
•	1750	322	1253	<i>f</i>	337	
* *	3875	36.8	1,720		379	
	4000	318	113	7 1	320	7
1	4116	290		****	30	***
•	PXO	181	135	- · · ·	29	1
	3375	1291	1250	1	30	7.1
	مو کا	183	10		29	
	Jby	300	,	•••••		
	3750	324	0 0	Υ	33	*****
	487	5)91	0 0	4	30	· · · · · · · · · · · · · · · · · · ·
	1000	30	6/10	6	31	
	SIY	5/29	3/10	7	1 3	5 \$
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	CLIENT:	CRI	A /		AREA	The same of the sa
-	LINE:	101	W		DATE	28.8.7/
-	OPERATO	R:		UNIT		REMARKS
	HOITATE	READ'G !	TIME	CORE, M	READ'S R	SE Selbs as another
Δ		58 520	1220	+11	28531	
7	125 N	523	1222	<u> </u>	534	76
	250	SYY	1124	1	533	,
*	375	521	/		532	ika ampanya sada an bana an ampanya mingapada si
	500	537			543	******************************
,	***************************************		1227		531	
	6 M	520		1	541	
	150	30	122		531	
	875	520	"		536	44.014004
•	000	573				
•	1175	566	173	<u> </u>	57	
	1250	586	133	3	59	5.5
	1375	571	1/23	4	58	
	1500	590	4 173	5	61	0
	167	1 59	2/23	6	60	53
	1750	!	123		5	76
	,,,,,,,,			*****	5	31
•	187	رون در در	·····			u
•	100		•••••			76
	۷')		5/12			94
	YY					16
	<i>y</i> 3.	75 5	35 /2	14		192
,	X	00 0	81/	13		114
	*******					. ·

CLIENT:		Λ			LWKE GOLL
	CR			DATE:	202 9 7
LINE:	10W		UNIT	NO:	ZAT:
OPERATO	READ'S 1	3MIT	CORR'N	READ-G &	企业的
STATION	HEND & C				Annual Control of the Stephen State of the S
7,505	58518	11.34		28214	
625	524	13.35		522	**************
5790	502	11.36		500	
375	503	11-37		501	a consideration
	4 44 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	11.39	·[·····	511	***************************************
270	513		7		n e podadzionionopada de e estapavidad
STATE OF THE PARTY	521	11.4	<u> </u>	519	
2061	533	11.4	2	531	A4 10W/00
4					BASE TIE
Ago/				58487	
Ag !!	W 594B	"		20004	1
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A.4.00.A	D2 3				

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	y				Solowi
249	585	3/			
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************					the ability of a company
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	CLIENT:	CR	'A		ARBA	. LAKE COM
-	- LINE:	100			DATE	
4	- OPERATO			UNIT		LATE
,	STATION	READ'S 1	TIME	CORR'N	READ-5 2	教医議会學院等
Δ	33755	58432	11:10	-2	58436	
4	250	437	11:11		435	angeno anano ao mangana ao
•	125	434	11.12		432	eritar espeles es escapes le secretarion de la constitución de la cons
:•	3000)	456	148		454	
•	315	462	11.19		460	has a suppopared should require the same of the same o
•	750	464	11.15		462	
	625	469	11.16		462	4
	1 500	481	11.17	*************	479	3.00
* *	375	485		1	483	
•	250	503			501	as antisto experiencement to to come title
•	125	512		X	510	go (consessed enterprise de terres adores e
.•	2000				446	in
•	875	473	1100	,	471	
,	750	471	11.24		460	
	625	491	11/25		489	4
	560		11.21	>	500	` E 1:
	375	\$32	11.2	7	530	2
	2,50		- I		48	100
	125	480	& I	0	47	
	1000	5 48-	1 11.3		48	
	875	149	2 11.3	3	49	0

CLI	ENT: CR	Α		A Para	
LIN	E: 10 L			DATE	LAKE GA
	RATOR:		UNIT		ZQ . 8 :
STAT	OM READ'G 1	TIME	COBB-N	READ-6 2	REMARKS
beac		10.44	-2	5.8545	
A. 87	482	1045		480	******************
150		1	•••••••••••••	4574	**************************************
625		(0.47			
Store	•••••••••••••••••••••••••••••••••••••••	·····		4/5	as seggious se abobi es ara siluis segie
375		10.48		Siz	Persodovosaopagos
		10.50		490	
250		10.57		SIS	
1 125	502	10.52		500	000 000 000 00 00 00 00 00 00 00 00 00
5790		10.53		Sol	***************************************
675	500	10.55		498	***************************************
7 ;0	la # Brown	10.56		485	
625	455	10.57			***************************************
500	1. 1			453	
375	1. –	10.58		447	
250	411	(100		464	
************	1	1.62		455	
125	426	103		424	1
40005	428 1	1.04		426	
875	أ احسمالا	1.05		165	
750	1000	.06	***********	131	
625	4.	1.67		********	
500	1			31	
	1742 !!	.08	4	41	- constant

	U				:
CLIENT	CR	<u>A</u>			: LAKE GARPH
LINE:	8 W			DATE	:28. 8.72
OPERATO	DR:		UNIT	NO:	LAT:
HOITATE	read 6 1	TIME	CORR'N	READ'S 2	REMARKS
51255	18480	10:26	·2	58478	,
250	180	10.27	• • • • • • • • • • • • • • • • • • • •	478	••••••••••
375	472	10.28		470	
5500	492	10.29		490	
625	459	10.30		457	••••••
750	450	10.31		448	
275	465	10.33		463	
60005	1464	16.34		462	
•••••					
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\$4 · • * * • * * * * * * * * * * * * * * *	.,				

28-8-7	DATE:		<u> </u>		LINE:
LAT:	NO:	UNIT			OPERAT
MEMARKS	READ'S R	CORN.N	TIME	MEAD-6 1	STATION
**************************************	5845		4.56	58147	250m.
********	623		9.56	625	625
	6001	*************************	10.01	611	750
	588		10.03	590	875
***************************************	589		10.04	591	30005
	573		10.06	525	125
	623		10.07	625	250
	587		10.08	589	375
94969949948499 *** · · · · · · · · · · · · · · · · ·	545		10.09	547	200
######################################	477		1011	470	625
	446		10.12	448	750
***************************************	438		10,13	440	875
	468		10.10	470	40005
130-430-69-69-6	462		10.15	464	125
	454	•••••••••••••••••••••••••••••••••••••••	10.16	456	250
***************************************	458		10.17	460	775
••••••	483	•••	10.19	485	
	459		10.20		,
	456		10.4		
	475		10.22	177	**********
	458	• • • • • • • • • • • • • • • • • • • •		460	

	CLIENT:		ICR	<u>A</u>		: LANG GATED
_	LINE:	8h	/		DATE	
	OPERATO	R:		UNIT	NO:	LAT:
	STATION	BEAD'G 1	TIME	CORR'N	READ'S B	REMARKS
		58489	9.23	-2	58487	
	00/8W	581	9.28	******************	579	J
	125	583	9.32		281	
	250	584	9.33		582	r o ya wo na na wada waka bi ca o o wadan angabi
•	375	517	9.34		575	
•	SDOS	556	9:35		554	
	625	I	9:36		572	
	250	588	9.37		586	
	875	614	9.39		612	
	10005	4	9.40	1	622	
	125	654	9.41		652	
,	250	666	9.47		664	
	375	655			653	
	15005	645	9.44		643	
	625	660	9.45	1	658	
	750	682	9.47		680	
	815	732	9.5	<u> </u>	730	
	2000	722			720	
	125	620	9.5		668	1
	250	655	9.51	<u> </u>	653	**
	375	651	9.5	<u> </u>	649	

CLIENT:		JR	7 6-4		: LAKE GAR
LINE:	8	W	 	DATE	
OPERATO	OPERATOR:		UNIT		LAT:
STATION	READ'G 1	TIME	CORR'N	READ'S 2	REMARKS
750 N	196	J.J.	+14	58610	
62	603	415	***********	617	·····
500	609	4/6		623	***************************************
375	604	417		618	
250	585	18		599	
125	568	120	. 144,1010,000,004,000	582	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
90	*************				
***************************************					0.000
1904W	474	435	+13	58487	
. *************************************	PRI	ET +6	i . Gi	30 mi	N(.
•••••••					
•••••		•••••			
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**************			,		
				······································	

CLIENT:	CRI	4		AREA:	LINCE GARA
LINE:	8W			DATE:	27.8
OPERATO	R:		UNIT	NO:	LAT:
STATION	READ'G 1	TIME	CORR'N	READ-G 2	REMANUE
3 375N	38!	350	415	58346	
250	371	351		386	eg kasana penganahak di 144 mengulah
125	399	333		414	ytro . 1914 az i i ba i ita e . e e zziakali
3000N	426	354		441	a a 4 % h h h h h d a a a a a a a a a a a a a a
875	452	322		467	965244534859884088
200	168	356		483	
625	179	358		494	
2550 N	464	359		479	, m, ba a o u a t rev a b a d a - a c a gressá
3.75	المال	400		459	. Ali an who was a ship of a ship a s
250	275	401		490	
125	504	for		519	ro anha pomena an ank a de a de sepuit
2000	115	403	+14	sta	90's - 0 bio 2 o's 0'9 0 0 0 88 o'r 1 68 66 98 68's
875	589	JoD		603	
7574	6'0	005		624	
625	595	tob		609	
1500 N	603	407		617	
375	595	108		609	
250	604	409		618	
125	604	110		618	
Looot	174	111		548	. No service and s
875	589	11.	<i>}</i>	603	

CLIENT:	CR	ARE/	1: LANE GARRI		
UNE:	8 W		·	DATE	The state of the s
OPERATO	DR:	, ,	UNIT	NO:	[AT:
STATION	READ'G I	TIME	CORR'N	READ'S 2	RTHARKS
6000 N	297	3.28	+16	58313	Meson a transport of a constant of a constan
875	343	330		359	e
750	346	33/		362	e ************************************
625	345	337	***************************************	361	spress than topour bodos questioning
\$350	355	3 33	***********	371	***************************************
375	387	334	***************************************	398	~ apic 5 . 24 a4 . 2 a a a a a a a a a a a a a a a a a a
250	427	334	*************	443	Senio en Salacano a Saco e ca tala de la casa
125	434	336	***********	450	1-ye-14004444444444
SOCON	441	337	************	457	
375	148	33/8		464	
750	529	340	Çantıl <u>ının e</u> templet († 1944)	545	da no cabodal dovinama core agretia esta
625	693	341	+15	708	### + \$ ###############################
4550	905	341		920	
375	720	343	***************************************	735	
250	429	344	*************	494	
125	338	348	P###***********	350	4
40000	325	346	*************	338	**************************************
875	296	346	***************************************	311	***************************************
750	3/3	347	**********	128	13
625	33%	348	**********	353	203
35004	35 V	344	•••••••••••••	367	

00047 CRA CLIENT: AREA: LIKE GARD LINE: 6 W DATE: **OPERATOR:** UNIT NO: LAT: STATION READ'S 1 TIME CORR'M READ'S 2 REMARKS 53351 417 58238 3.00 58255 230 3.12 5500 247 245 3.13 36357 262 5250 288 3.4 305 465 3.15 482 5875 60004 3-16 458 350 3.18 125A 367

LINE:	6W			DATE:	27.8
OPERAT			UNIT		LAT:
NOIYATE	READ'G 1	TIME	CORR'N	READ-G 8	REMARKS
N OSCS	58500	<u> </u>	+18	58518	
875	435	2.46		453	yt Yudatay byayac yt
3000N	378	2.47	*************************	396	
125	360	2.49	•4••••	378	roos 443 p 4 6 4 5 9 9 9 9 9 8 4 1 9 9 9 9 9 9 8
250	330	2.50		348	e de la compania del compania del compania de la compania del compania del compania de la compania de la compania de la compania de la compania del compania d
375	353	2.51		371	
3500N	333	2.52	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	351	
625	331	2.54	***********	349	. v z z 6500 jijo o 20 o o v v o v o biskopija
750	344	2.55		362	
875	354	2.56	********	372	
4000N	329	2.57	····	347	
125	310	2.58	+17	327	
250	309	2.59		326	
375	318	3.00	*********	335	
4500N	290	3.02	*********	307	
625	215	3.03	· • • • • • • • • • • • • • • • • • • •	232	
750	172	3.04		189	· · · · · · · · · · · · · · · · · · ·
875	268	3.05	. : 	285	and the new contraction of the contraction (and
50001	246	3.00	**********	263	
125	230	3.07	•••••	247	
250	230	3.08		247	

CLIENT:	CF	CA		AREA:	LAKE GATE
LINE:	6W			DATE:	27-8-71
OPERATO			UNIT	NO:	LAT:
HOITATA	READ'G 1	TIME	CORR'N	READ-G 8	REMARKS
1300/4W	58468	2.15	+19	58487	
00/6~	367	217		386	6 x + 0 x + 0 x y Q x y + 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
1254,	407	2.18		426	
2,50	419	2.20		436	
375	420	2.22		439	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
મ ્ક	424	2.23		443	
625	425	1		444	
***************************************	435	2.25	-	454	
750 275 19091	500	22		559	
125	993			59012	
*****************	77.3		<u></u>		
250	1992	2.31		अला	
375	722	2.37	<u>-</u>	≤8741	
1500	N 567	2.33	>	586	
625	471	2.3	5	440	
フジひ	437	2.3	ا حا	456	
875	385	2.3			1
2000	N 367	2.3	8	385	1
125	375	5 23	9	39	3
. 257	35	1 2.4	10	37	0
37:		5 2.4		34	3
	2/2/			36	. 1
2500	N 36	4 2 1			
62	5 65	82	1 41		6

00050 AREA: LAKEG CLIENT: DATE: LINE: LAT: OPERATOR: UNIT NO: READ'S 1 CORE'N STATION READ'S 1 (27/NS8203 1237 +13 58216 1235 +14 6000 286 300 00/4w 58470 1.00 ia8 b min PRIFT

	CLIENT:	Cil	RS		AREA	: Long Good
-	LINE:	41	$\sqrt{}$		DATE	
~	OPERATO	R:		UNIT	١٥:	LAT:
-	STATION	READ'G 1	TIME	CORM.M	READ-6 2	BERARKS.
43	2050 N	58:271	11.58		58279	x - 2 + 5 + 5 + 6 + 6 + 6 + 6 + 6 + 6 + 6 + 6
	875	280	11.59	+9	289	.4
•	3000N	276	12.00		285	• w • • # # # # # # # # # # # # # # # #
	125	472	1201		481	*******************
	3250	522	12:02		531	
	375	463	12.03		472	· Out a by o by o de a de
	3500	430	12:04		439	, aprovate and . s. deap , . s. deap
	3625	390	12.05		399	
1	3750	368	12.04	-	377	
	3875	353	12.08	+10	363	
	4000N	349	12 09		354	ere er ekk ar en sinne slove siere er i die
	125	308	1211	******	318	
	250	282	1214		292	
	375	219	1215	+11	290	
	4500N	280	1217		291	
	***********	241	12/9		252	
	4750	223	12.21	Marrie Constitution of the	234	
	********	211	1223	+12	229	
	1000	219	1226		231	
	************	218	129		230	
	suso	2/3	1729		225	

00052 D300/4W58481 11:25 Corrn+6, 58487 CLIENT: CRA AREA: MATEG LINE: DATE: **OPERATOR:** UNIT NO: LATE STATION READ'S 1 TIME CORR'N READ-6 2 5848 125N 11.34 +6 58476 470 250 11.35 476 455 375 Abi 11.36 429 435 500 11.37 625 413 11.38 419 750 376 11.39 382 176 386 380 11.40 000 -361 367 11 41 1175 341 11.42 347 No 303 1.43 +7 310 1375 235 11.44 242 100 169 11.45 176 675 166 11146 173 750 220 11.47 227 370 1875 11.48 377 2000 11.49 376 383 +8 342 11.51 350 2250 324 316 11.53 315 11.54 323 MOO

300

284

2625

1455

11.56

308

1: Litke	DATE	RA		6	LINE:
LAT:	معروفين وسيسون وسيمون	UNIT I	<u> </u>		OPERATO
nen	READYS &	CORR'M	TIME	READ'G 1	STATION
	8397	+65	1114	391	750 S
	400		1115	394	625
4.64444444444444	383		11.16	377	500
	397		11-17	341	375
10414130566414141414	408		11-18	402	250
	37.3		11.19	367	125
	185		11.20	379	00
				,	
	58487	+6	11:25	1/58481	∆ 3 [004
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boans adoas you opposed	*******************************		*******	•••••	••••••
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CLIENT: / CRA AREA: NECTOR LINE: 6W DATE: 2 OPERATOR: UNIT NO: UN	
STATION READ'S 1 TIME CORREY READ'S 2 3375 386 1019 +6 58342 3250 397 10.5/0 403 31 x5 4'6 10.5/1 422 3000 4/5 10.5/1 421 2750 386 10.54 392 2750 386 10.54 392 2750 386 10.54 388 2750 386 10.54 388 2800 392 10.58 388 2800 392 10.58 388 287 393 10.59 388 287 393 10.59 387 387 393 10.59 387 387 393 10.59 387 387 393 394 395 387 393 394 395 387 393 395 395 387 395 395 395<	2· 8:
3375 386 1049 +6 58342 3250 397 10.5/0 403 31x 4'6 105/ 422 3000 4/5 105y 421 2750 386 10.54 392 2750 386 10.54 393 2750 387 10.59 398 2375 393 1059 398 2375 393 1059 398 2375 393 1059 398 2375 393 1059 397 21x 371 1/00 387	T:
3250 397 10.5% 403 3125 416 10.5% 422 3000 415 10.5% 421 2750 386 10.54 392 2750 382 10.56 388 2500 392 10.59 398 2375 393 10.69 399 2125 397 11.00 387	KIRA
31x 46 1051 422 3000 415 1054 421 2750 386 1054 392 2750 386 1054 392 2750 382 1056 388 2500 392 1059 398 2375 393 1059 398 2750 381 1100 387 21x 371 1101 377	
31x 46 1051 3000 415 1054 2750 386 1054 2750 386 1054 302 2750 386 1054 303 2750 387 1058 2375 393 1059 2375 393 1059 2375 393 1059 2375 393 1059 2377 393 1059 2377 393 1059	, , , , , , , , , , , , , , , , , , ,
2750 386 1054 392 2750 386 1054 392 262 382 1056 388 2500 392 1059 398 2375 393 1059 399 2180 381 1100 387	
2750 386 10.54 392 26 382 10.56 388 2500 392 10.58 398 2375 393 10.59 398 2750 381 11.00 387 2125 371 11.01 377	and household
76 x 382 10.56 388 2500 392 10.58 398 2375 393 10.69 399 2150 381 11.00 387 2155 371 11.01 377	
2375 393 1059 398 2375 393 1059 399 2150 381 11:00 387 2155 371 11:01 377	
2375 393 1059 399 2150 381 11:00 387 2155 371 11:01 377	
2150 381 11.00 387 2115 371 11-01 377	*********
21 x 37/ 1/01 377	
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2000 364 11.02 370	
The state of the s	
13.75 366 11.03 372	
1750 37/ 11.04 377	
16 25 393 1105 399	
1500 405 1156 411	
3 13 75 391 1107 398	
1250 391 1108 397	
y 11 x 387 1109 393	
21 1000 376 1110 392	
875 379 111 385	

27.8	DATE:			6 W	LINE:
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nend	READ-S &	CORR'N	TIME	READ'G 1	NOITATE
5 . 6 4 <u>11 12 13 15 15 15 15 15 15 15 15 15 15 15 15 15 </u>	≤8.30 S	46	1025	299	60005
	284		10.76	278	5875
	219	· ·	10.78	213	5750
	318		10)9	312	5615
	336		10-30	330	5500
	374		10.31	368	5375
	491		10.37	485	5 250
	385		10.34	379	5123
(T	361		12 35	355	I ooo
	340		1036	334	47-5
	351		037	345	4.750
3	360		10.33	370	4678
4	369		10.39	363	Jaso
	360		10.40	354	4375
	366	***************************************	10.01	360	Uyso
	359	,	10.47	313	1/25
	347		10 44	341	U200
	32.7		10.44	7 . /	3875
	354		10.15	348	3750
	366		in Ub	360	6625
	376		10 47	370	3(00

27	DATE:			46	LINE:
Ĺ		UNIT	 	R:	OPERATO
	READ'S 2	CORR'N	TIME	READ'G 1	STATION
	58453	+6	10.14	441	52505
	451		10.15		375
4	348		10.16	392	500
*********	24 5		10-11	339	618
	359		1019	353	750
*********	423	************	15.19		815
	449		1030	443	2000
		,			
		••••••••••••••••••••••••••••••••••••			
					•14 •6 • • • • • • • • • • • • • • •
				•••••••••••••••••••••••••••••••••••••••	•••••••
	-		*************	****************	
•••••					4-11-4-11-13
••••••					

27.8	DATE:		<u> </u>	4W_	LINE:
LAT:	10:	UNIT		R:	OPERATO
BERY	READ'S 2	CORR'N	TIME	READ'G 1	STATION
	58552	+6	9.51	546	2625
	639	,	9.52	633	2750
s o o e u o d'adade d'ajo no ajo so es est	707		9.54	701	7875
# * * * * * * * * * * * * * * * * * * *	728		955	722	3000
	702		9.56	696	3. 25
0.4 0.0 % ANYON 0 0.00 0 0 0 0 0 0 1 0 0 1 0 0 1 0 0 1	725		9.58	29	3250
	500		959	494	3375
	363		10.00	357	Bien
	356		10.01	310	3625
1,44	362		1007	356	3750
	375		2.03	369	3871
	385		0-04	379	Joos
	402	1	10.05	396	0175
	423		10.06	47	ÚKO
1	462	1	10.07	4:6	1375
	484	1	1008	479	0,00
	456	1	007		1611
	441		12.10	135	2750
	420		15-11		1875
	4,4	M		408	5000
	427		10.13		5175

27.8	DATE:			4w	LINE:
LAT	NO:	UNIT		OPERATO	
wa	READ-6 2	CORR'H	TIME	READ'G 1	STATION
• • • • • • • • • • • • • • • • • • • •	58487	+6	9 26	58481	GO N
	489			483	125 \$.
	469	****	9 30	463	>2 o
, v. i a 040 s 600kg g 600 s 474	489	*********	**********	483	375
	\$10		9.32	504	500
. q oo hoo a quod sa 175 1 ° ° °	503		933	497	623
	449		934	493	750
4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	495		9.35	489	875
4444	446		9 36	490	1000
***************************************	₹23		937		X
	584	.,	9.39	578	'7 3)
	577		9.40	371	
	686		9.41	680	1500
	772		9.43	766	••••••
	455			449	'750
	418		9.45	4/12	
	422	•••••	9.16	416	2000
	430		9.41	424	
	449	••••	0 Vg	443)) y o
ogas,000 s soás 00€ *4s*	481		000	415	v
****************	498		9/2	492	52.00

26.8	DATE:			WOC	LINE:
LAT:	VO:	UNIT I	- 	R:	OPERATO
nen	READ'S 2	CORR'N	TIME	READ'G 1	STATION
	58330		2.57	53321	52502
······································	306			297	375
	307			298	
	293		,,	284	
op 10 o jank kao m akaas o 1924	259	+8		**************	750
	245			237	*****
v s. n. o orb 90, a basia pap so + 14					***************************************
	235	· · · · · · · · · · · · · · · · · · ·	3'11	227	6000N
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1 24	125 14	mas er	2 Jan	FT +	/ PRI
			3.40	58108	12 /200€
		••••••••••	3.42	58076	1/000
			1		
			3.45	501n2	1 09 700
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			3.55	28450	12 3
			4.03	58078	A 1
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·0/4w.	To Δ3	>/00W	410	E TIE	BA
181.40	D 284	7007	5801	.,	***************
	Δ,		1	+60	

	CLIENT	: CF	20		ARE	a: Lakega
	LINE:	00%	J		DATE	
	OPERAT	OR:	_	UNIT	NO:	LAT:
	STATION	READ'S 1	TIME	CORR'M	#EAD-6 %	954
	2625 N	58328	2.05		58339	***************************************
	750		2.06	***************************************	254	******************
	825	232	5.08		243	
	3000N	308	2.11		319	o in contract a contract to diff in
	Bearetage to rth.r.	350			361	he
· .	_	382		+10	392	*************
4	3.75	395	2.18		405	
	Oe2	384	2.20	••••••	394	reseablideeseers (****
Δ	627	319	2.23	ļ	7324	
•	750	211	2.26	***********	221	
Δ	875	97	2.29	*************	207	.,
	4000N	215	2.32	****************	225	***************************************
٨	125	223	2.34		233	
,	250	374	2.36		384	
L	375	555	2.40	+9	264	
ļ	600	508	2-42	•	317	
4	625	437	2.45		446	
ļ	750	446	2.47		455	
			2.49		407	***********************
	SOOON				344	· eans an earlies where it is a sufficient
	125	323	2.55		332	

	CLIEN	T: CR	Α.		AREA:	. ــ ۵ ا
		00W	1		DATE:	26
	OPERA	TOR:		UNIT	the same of the sa	C L
	STATION	READ'S 1	TIME	CORR'M	READ-G E	
A	21 OON OO	N 58071	126	+12.	58083	
ì	1251	144	1:27		156	
	1 250	193	1.29		20≤	*******
: 1	375	262	1.32	••••••••••••••••••	274	* * * * * * * * * * * * * * * * * * * *
3	500	327	1.37	**************	339	• • • • • • • • • • • • • • • • • • • •
	625	286	1/40		298	********
	750	388	1.42	,	400	*#4544000000
• * * *	025	122	1.43		434	*****
	1000 N	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		3≤8	***********
1 1 1 1	1875	317	1.51	+11	328	
*	20001	344	1.52		355	
4	2125	296	1-55		307	
•	. 250		1.57		316	
4. }	375		2.00		443	
1	200	376	2.03		387	

26.8	DATE:				CLIENT:
LATE	0:	UNIT N	 		OPERATO
REMA	READ-6 \$	CORR'N	TIME	READ'S 1	STATION
	58443		11.59	58437	5250 \$
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Party o was a second set of the	334	*******************************		328	625
4.649	354			348	8
- Pro-	286	*****			750
	467	***************************************	12:05		875
***************************************		+7	12.06	400	60000
***************************************		***********			7
e nicolació de de care de persona esta esta esta esta esta esta esta est	58085	5800	12:15	58076	Sowlood
	mina	in 75	umanas.	1-7g	PRIF
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					204 432 434 444 444 444
					401407
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					•

CLIENT:	CRA	1	AREA: LAKEGH			
LINE: C	00 W			DATE		
OPERATO	R:		UNIT	NO:	LAT:	
STATION	READ'G 1	TIME	CORR'N	READ'G 2	MARS#	
26255	58354	11:31	+3	58357	* * * . * * ###########################	
750	345	11:33		348		
875	353	1.34		356	*********	
30005	405	11.35	.44225.122.004	408		
125	495	11132	+4	499		
2 s o	467	11:38		471		
37 <i>5</i>	347	11:40		351		
35005	345	11:41		349		
625	366	11.42		370		
750	369	11.43		373		
875	378	11:45	***************************************	382		
40005	368	11.46	+5	373		
125	329	11.47		334		
250	316	11.48		321		
375	310	11.49	 	315		
45005	354	11.50		3.59	M44	
4625	432	11.52		437		
750	471	11.54		476		
. 875	457	1		462		
50005	426	11.57	**************************************	432		
125	394	11158		400		
	I	Best States				

	UUL	10.4						
	CLIENT:	CRA			AREA	: LAKE GA		
	LINE: OOW				DATE: 26 8			
					UNIT NO:			
	STATION	READ'G 1	TIME	CORR'M	READ-6 2	, ne		
۵ز	COVO	58083	11:00	٥	58083			
	125 5	120	11.03		120	**********		
•		143	11.05	· · · · · · · · · · · · · · · · · · ·	143	w b die era p da p da da a p spe - d		
	375	119	11107	+1	120	******		
	Soos	161	11:09		162	***********		
	625	161	(1:10		162	5 # 4 8 #4 8 4 8 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		
	750	220	11; 11		221	*************		
	975	256	11-12		25.7			
	10005	240	11.14		241	**************************************		
i i	125	250	11.15		1251			
	250	262	11:17	+2	264			
*	375	267	11:18		269	·····		
	15005	275	lling		277			
	625	311	11.31		313			
	750	296	11:22		298.			
	875	314	11.23	*****	- 31b			
	2000\$	307	1		309	· · · · · · · · · · · · · · · · · · ·		
	125	373	11125	o preparate and parties	378	A . Marie		
•	250	350	11.26	+3	362			
	37 <i>5</i>	35	1):2-	2	354); · · · · · · · · · · · · · · · · · · ·		
	2500	341	1/1/20	1	, <u>2</u> 47			



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	1,570
	\$9,385

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

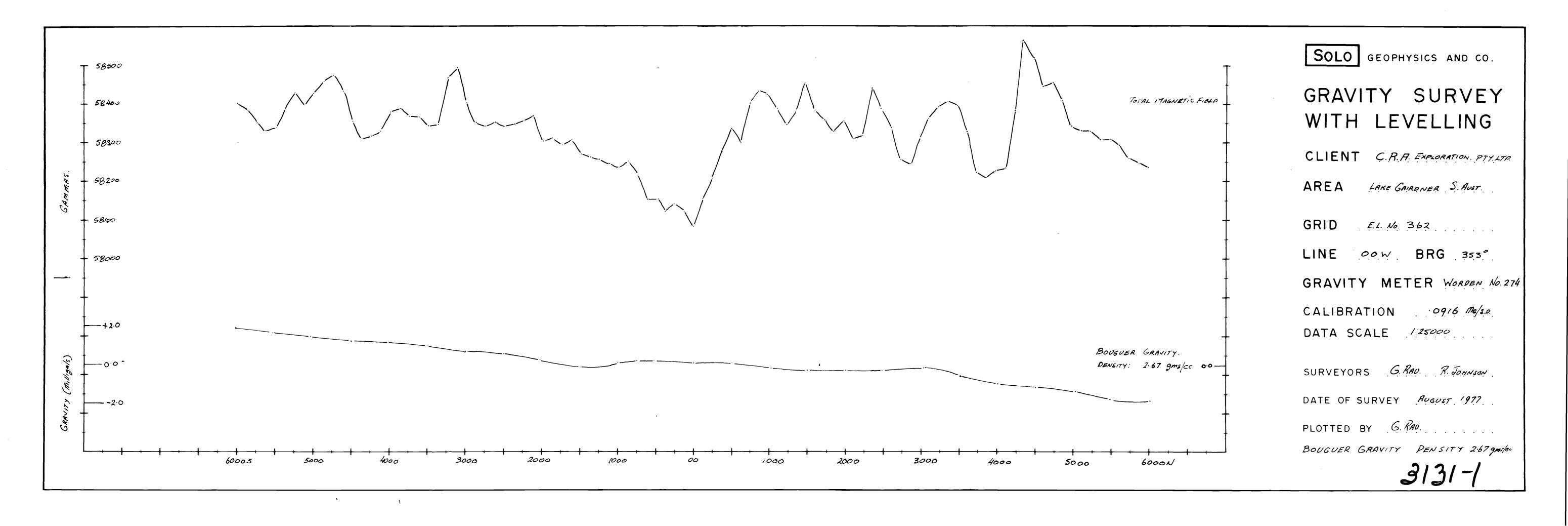
for:

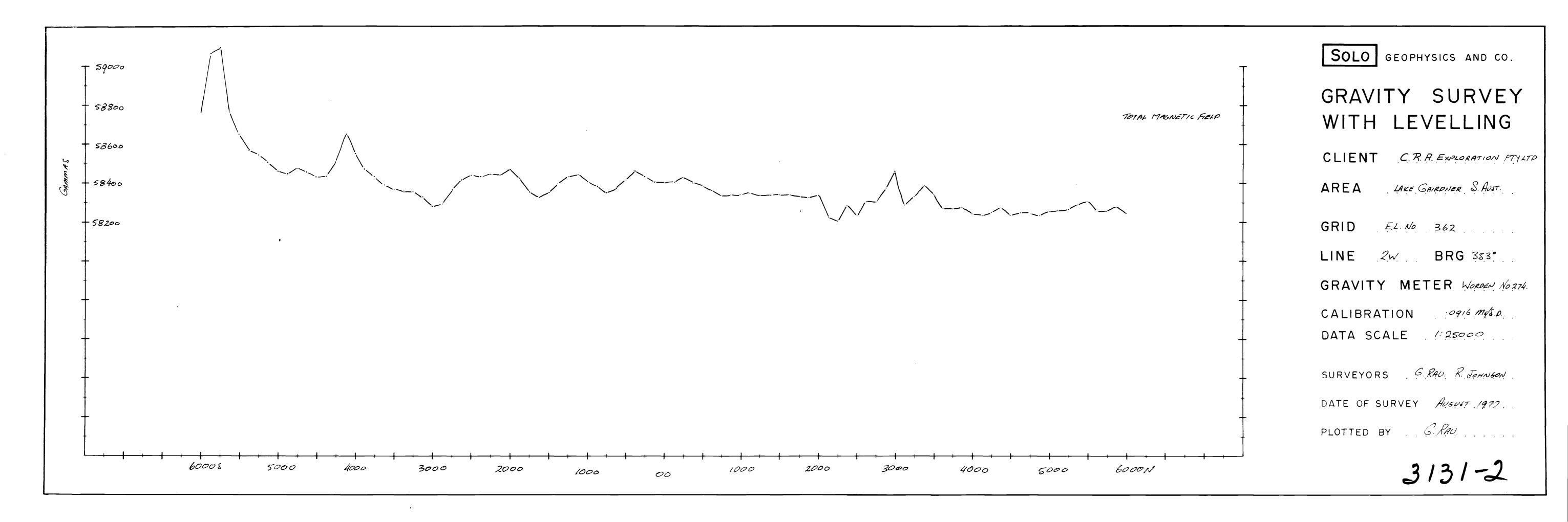
J. Collier

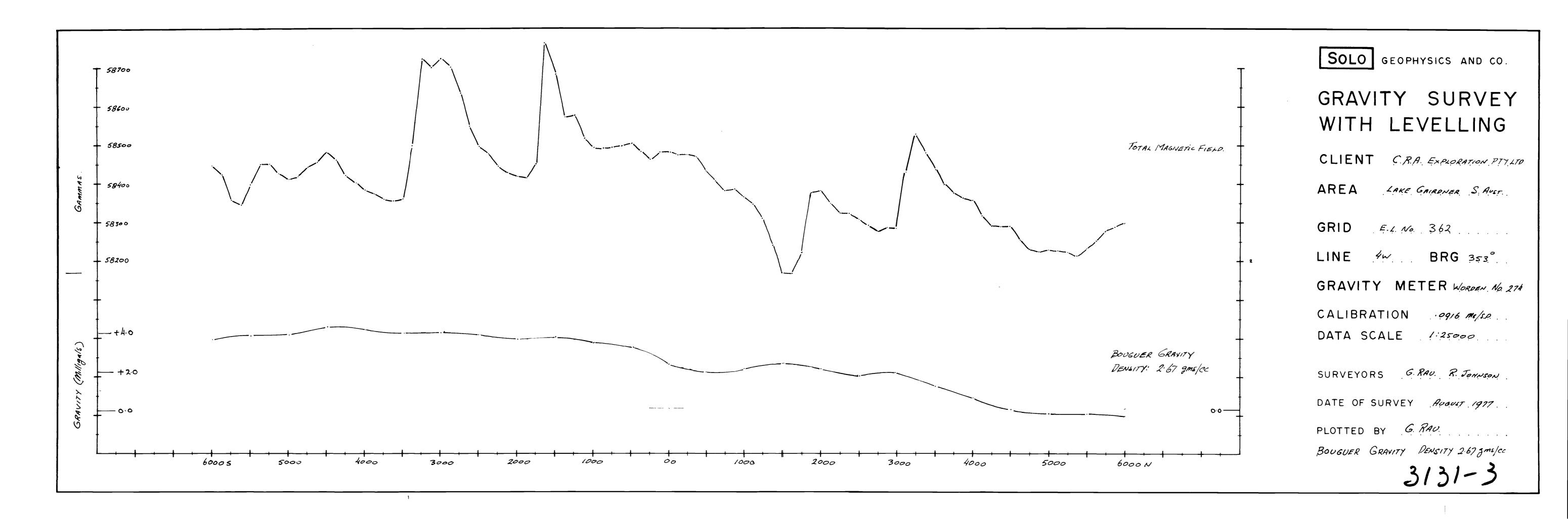
General Manager

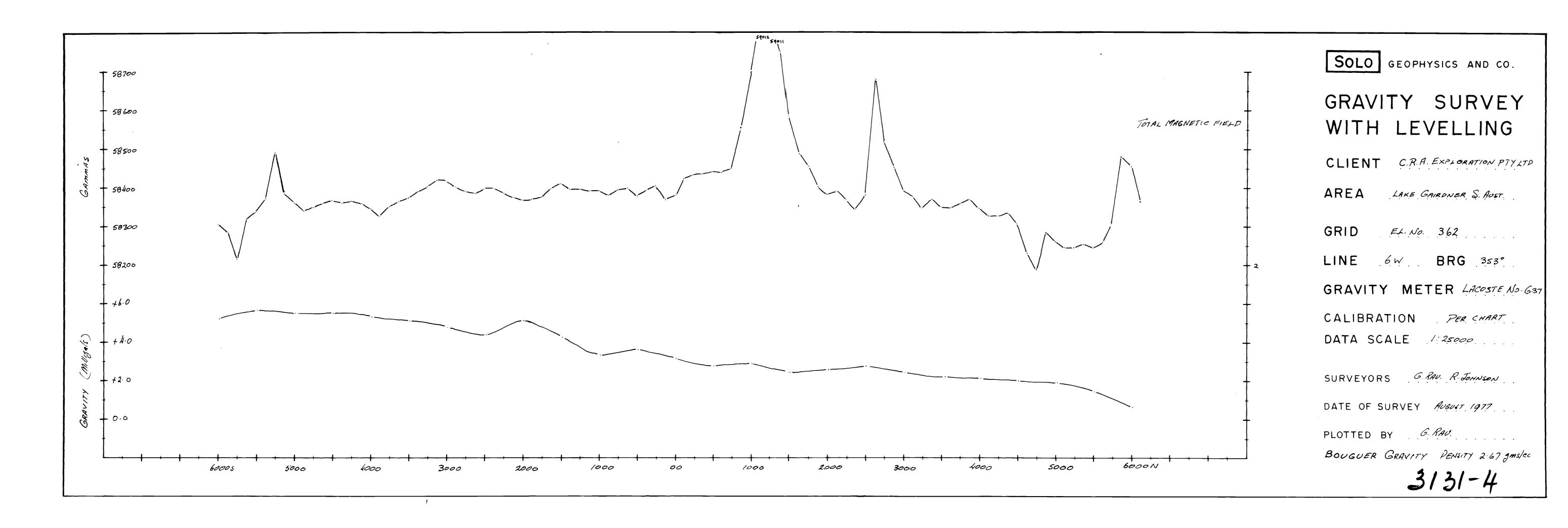


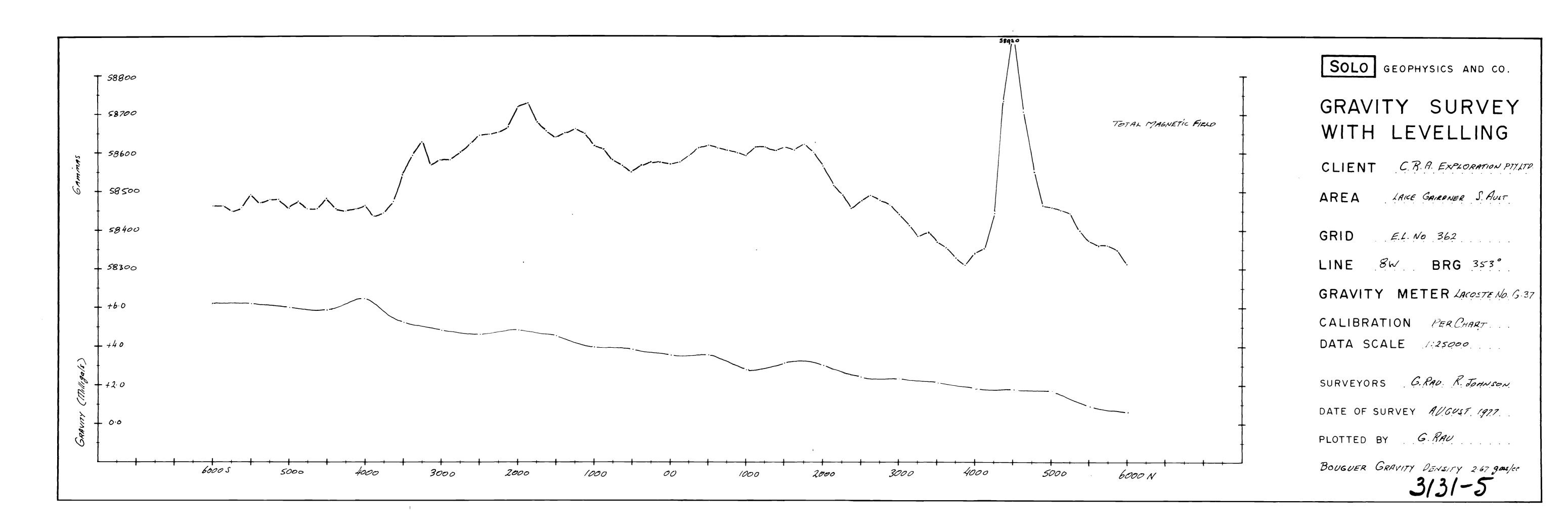
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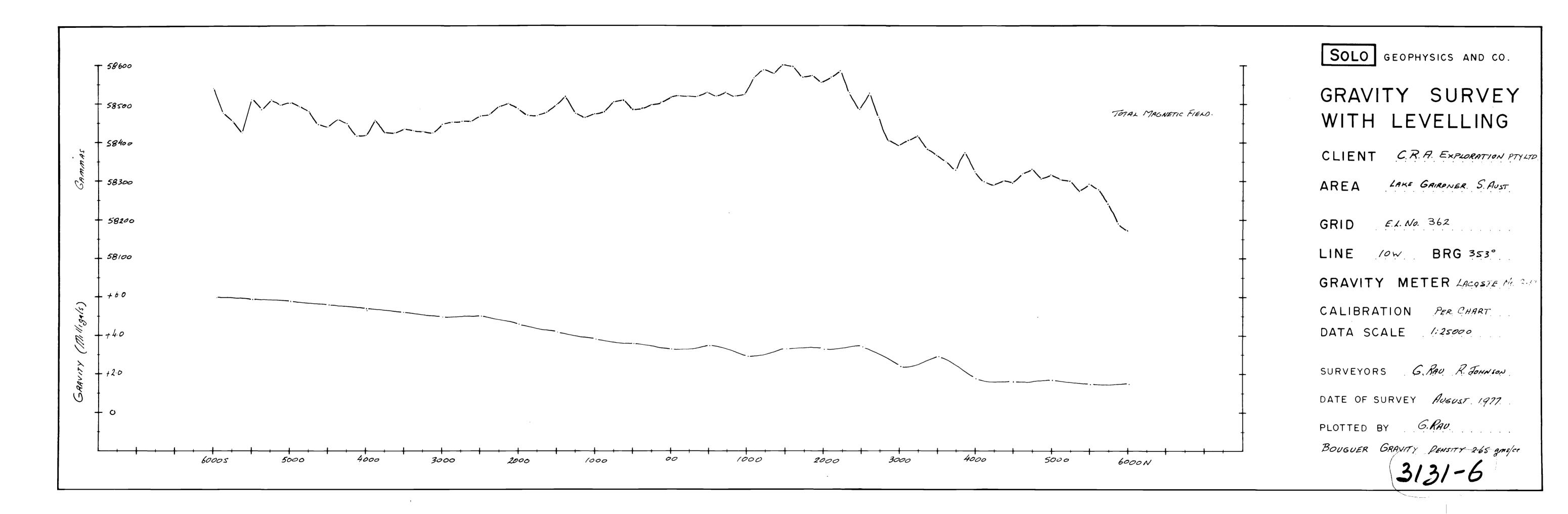


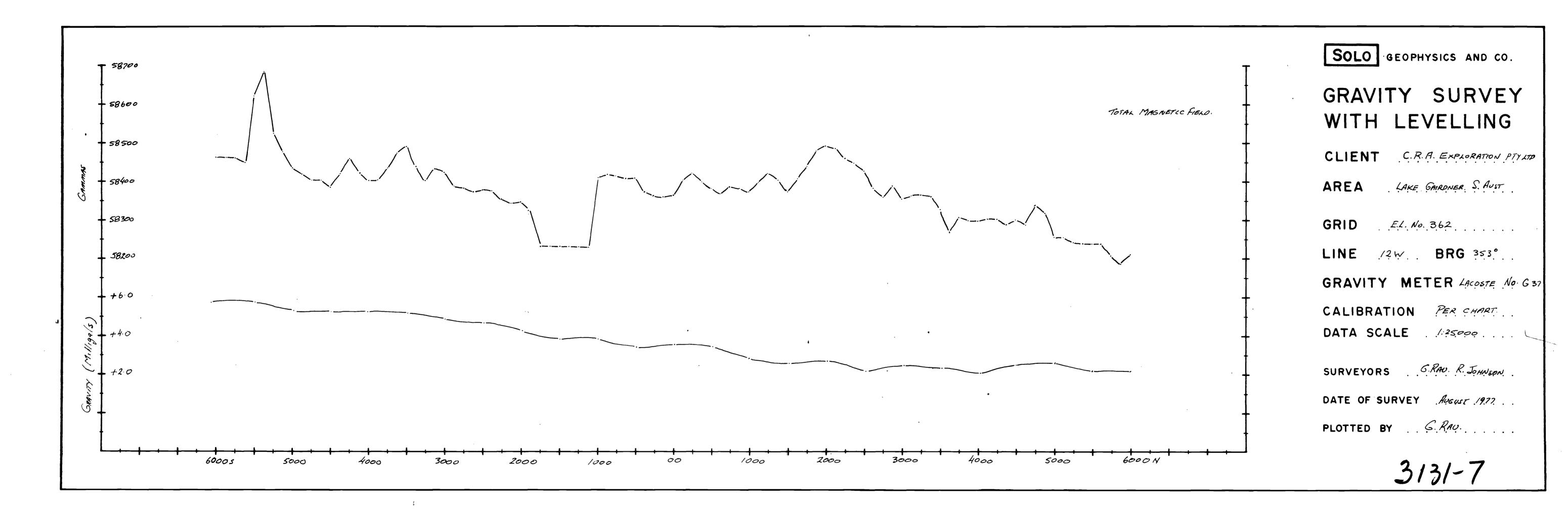


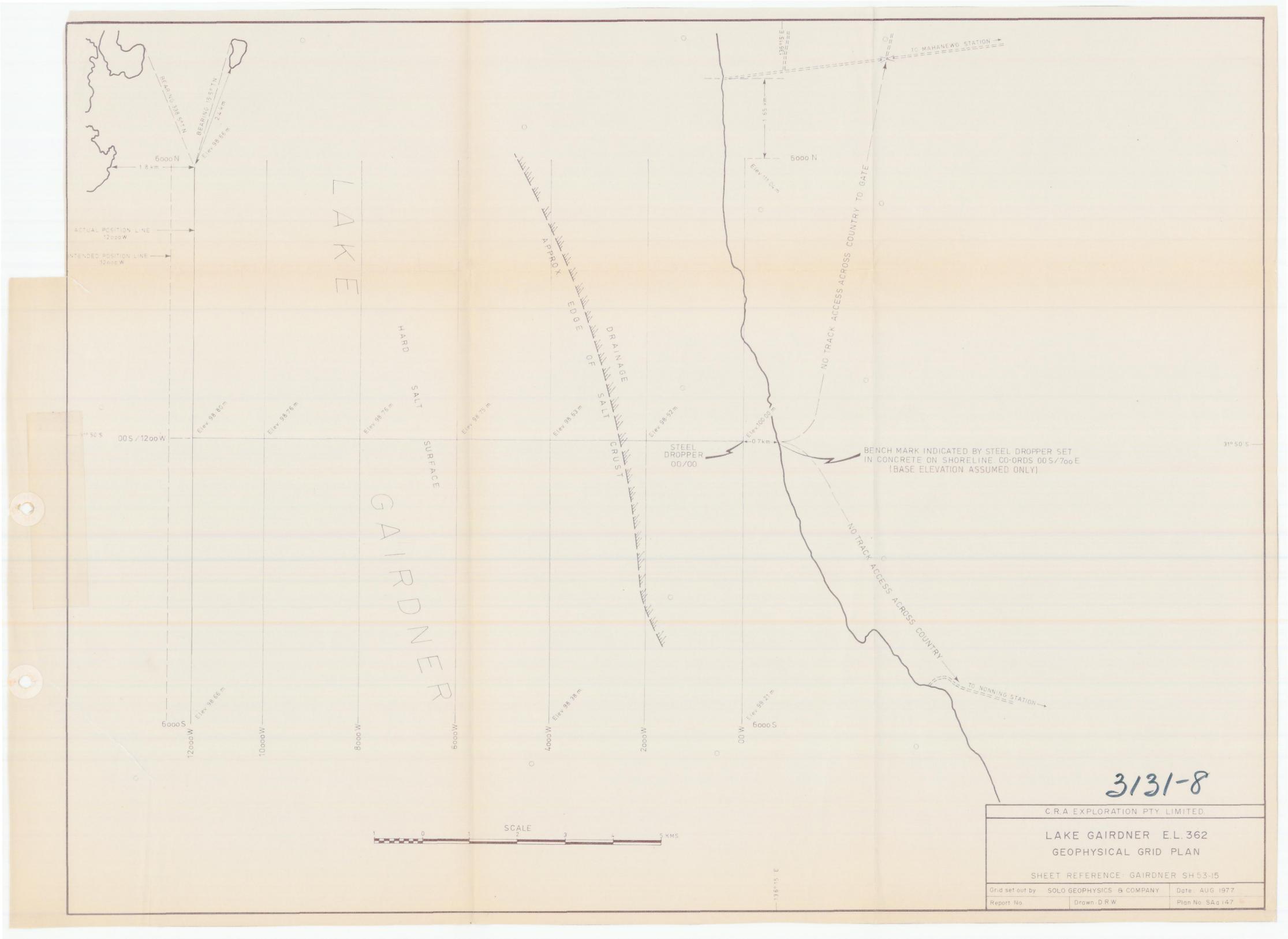


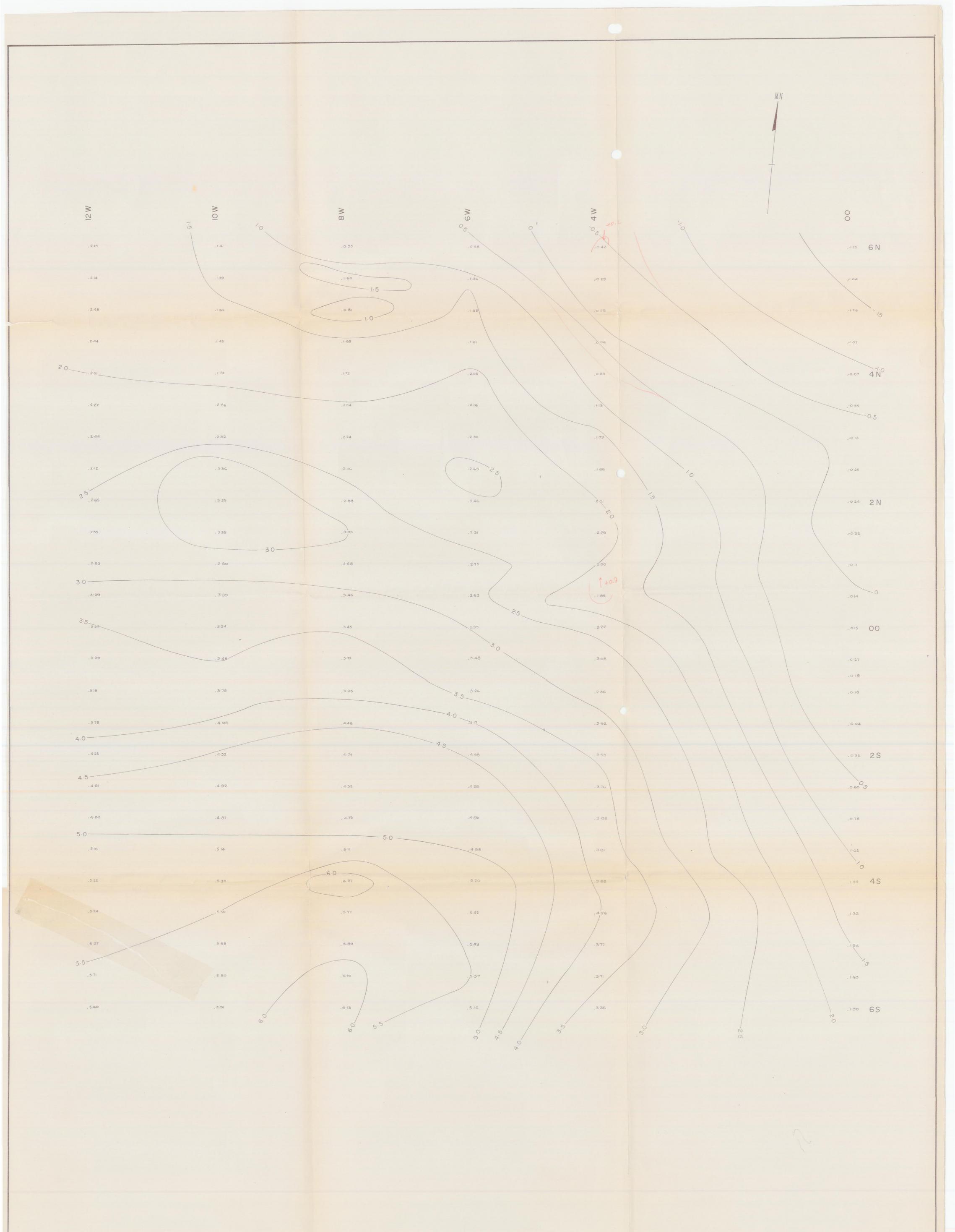












3131-9

C.R.A. EXPLORATION PTY. LIMITED.

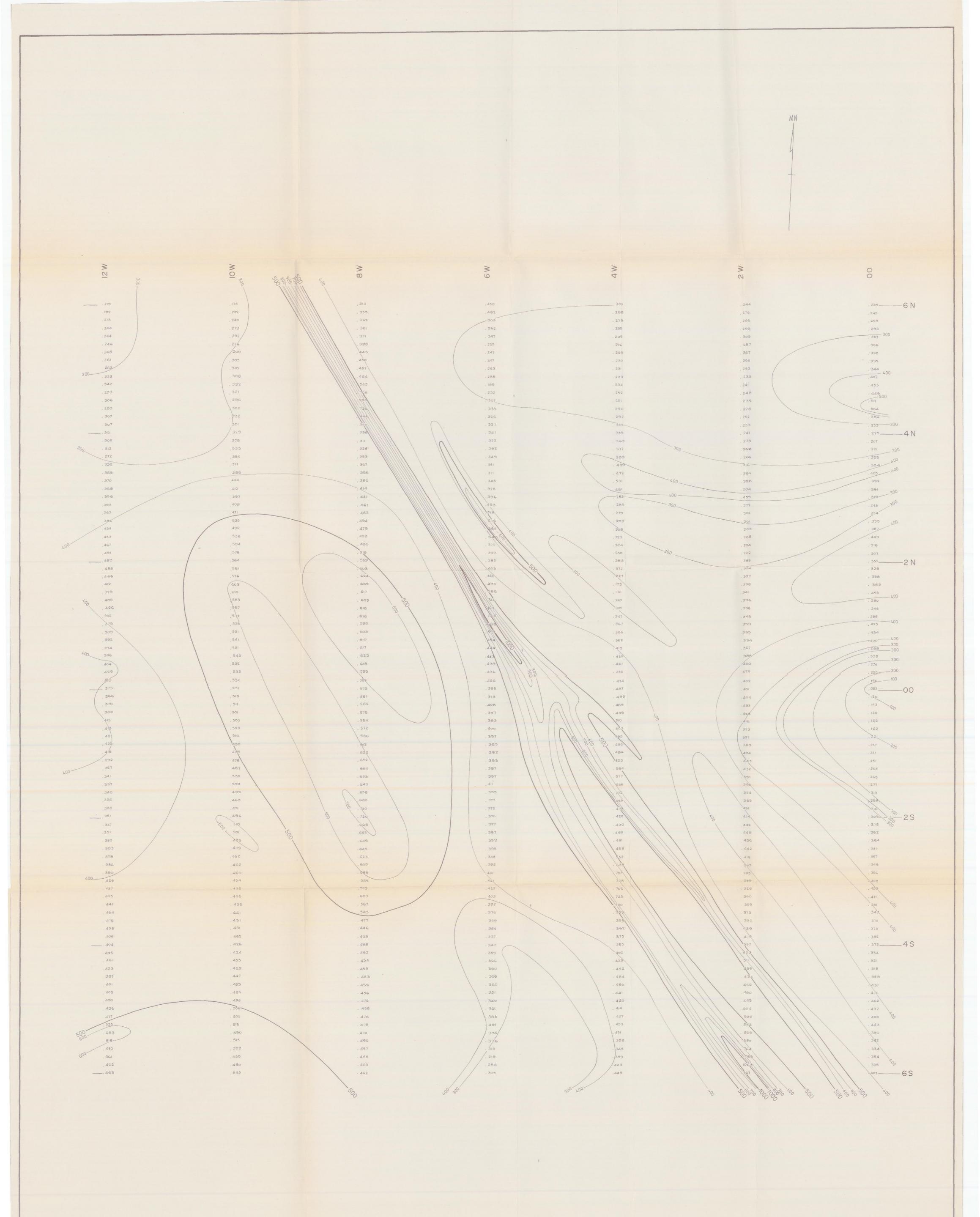
LAKE GAIRDNER E.L. 362

BOUGUER GRAVITY MAP

SHEET REFERENCE GAIRDNER SH 53-15.

Geophysics by SOLO GEOPHYSICS & COMPANY Date AUG. 1977

Interp. DLA Drawn: DRW. Scale: 1-25,000 Plan No. SAc 149



3131-10

C.R.A. EXPLORATION PTY. LIMITED.

GROUND MAGNETIC MAP
OF TOTAL INTENSITY

SHEET REFERENCE: GAIRDNER SH 53-15

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.: SAa 148.