RGC EXPLORATION PTY. LIMITED

TCR 92-3363

079001

E.L. 12/90 AND E.L. 15/90

WARATAH AREA

ANNUAL REPORT FOR THE PERIOD

JULY 1991 to JUNE 1992

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Report No. T/92/12

June, 1992

Distribution:
- Department of Mines Tasmania
- RGC Exploration - Hobart
- RGC Exploration - Zeehan

SUMMARY

E.L.s 12/90 and 15/90 were granted to Renison Ltd., as a result of a successful tender application during 1990. The tenements covered a combined area of 332 km^2. This was reduced to 140 km^2 in June 1992. The area was acquired because of its potential for carbonate replacement tin deposits of the type mined at Mount Bischoff and Luina.

The E.L.s cover the northern and eastern margins of the Meredith Granite and the surrounding rocks, which include Oonah Formation sediments, Crimson Creek volcaniclastics, Gordon Limestone and Eldon Group sediments.

Work completed by RGCE during 1991/92 included detailed stream sediment sampling around the Deep Gully and Whyte River prospects and at Wombat Flat. A significant stream sediment tin anomaly was located at Deep Gully. The skarn at the Whyte River prospect was gridded, mapped and surveyed with ground magnetics. Rock chip samples of the skarn had a maximum value of 1000 ppm Sn and 630 ppm W.

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1. INTRODUCTION

EL 12/90 was granted in 1990 as a result of a successful tender application. An adjoining area was also applied for and was granted as EL 15/90. The combined area of the tenements was 332 km^2. In June 1992, part of the area was relinquished. The area retained was 140 km^2. The EL's are regarded as being geologically continuous and have been explored and reported as one single block. The licences are held by Renison Limited and explored by RGC Exploration, both wholly owned subsiduaries of RGC Limited.

Much of the area is vacant crown land. It is covered by wet schlerophyll forest with patches of rain forest, ti-tree scrub and button grass plains. Access is provided by the Corinna Road, numerous logging tracks and old exploration tracks and by newly-cut walking tracks. Much of the area is accessible only by foot.

The target of the exploration on these EL's is tin mineralisation of the style present at Mount Bischoff and Cleveland. Leaman and Richardson (1989) highlighted the potential of this area by demonstrating the relationship between the shape of buried granite bodies and the associated mineralization, in particular the north-east trending ridge of granite beneath Mount Bischoff. Carbonate units are known to occur within the Oonah Formation and in the Crimson Creek Formation. Gordon Limestone also occurs in proximity to the Meredith Granite. During 1991/92, exploration concentrated on three specific areas, Deep Gully, Whyte River and Wombat Flat.

2. LAND TENURE

In March 1990, Renison Limited tendered for ETA 160 "Mt. Ramsay" and ETA 161 "Waratah". The tender application was successful and EL 12/90 with an area of 149 km^2 was granted on 6/7/90. A further 183 km^2 was also applied for and this area was granted as EL 15/90 on 6/7/90. In June 1992 EL 12/90 was reduced to 111 km^2 and EL 15/90 was reduced to 36 km^2. EL 12/90 includes the township of Waratah. Excluded from EL 12/90 is RL 8807 which covers 4 km^2 around Mount Bischoff and several small MLs over alluvial deposits on the Waratah River and near the margins of the Meredith Granite. These ML's are:

19M/72	Campelane Nominees Pty. Ltd.	Waratah River
4W/71	Campelane Nominees Pty. Ltd.	
3W/72	Campelane Nominees Pty. Ltd.	
4W/72	Campelane Nominees Pty. Ltd.	
1W/ 73	Campelane Nominees Pty. Ltd.	
1W/73	Campelane Nominees Pty. Ltd.	
11M/77	A. Sporer	Wombat Flat
14M/77	A. Sporer	Wombat Flat
44M/90	A. Sporer	Wombat Flat
5M/75	Seaborn Pty. Ltd.	Wombat Flat
82M/77	M.G. Glozier	below Waratah Falls

3. GEOLOGY

3.1 Regional Geology

Oonah Formation

Within the exploration area, there are two blocks of Oonah Formation, one surrounding Mt. Bischoff and the other in the Ramsay-Coldstream area. Drilling through tertiary basalt suggests that these two blocks are continuous beneath the basalt cover. The Proterozoic Oonah Formation contains pale grey quartz sandstones, generally finer-bedded pale grey siltstones, dark grey shales, dolomites and minor mafic lavas and volcaniclastics.

The Oonah has been divided into upper and lower successions on the basis of lithology. The Lower Oonah is dominated by micaceous quartz sandstones and siltstone with minor interbedded phyllitic mudstone. The Upper Oonah has a greater abundance of mudstone and shales, with dolomite, mafic volcanics and relatively minor sandstone.

The Oonah Formation in the Ramsay block can be divided into three zones. The central zone is dominated by quartz sandstone in beds 10 to 50 cm thick. On lithological criteria, this is correlated with the Lower Oonah. In the western zone there are thinnly bedded calcareous siltstones and shales. In the eastern zone there are also siltstones, shales and dolomite. Although these two zones are correlated with the Upper Oonah, no mafic rocks have been noted in this area. The Upper Oonah rocks tend to be finer grained and thinner bedded than those of the Lower Oonah. They are less competent and more ductile and are often strongly deformed, with abundant parasitic and short wavelength folds.

Around Mt. Bischoff, a similar association is observed. Dolomite occurs with shale and siltstone rather than in sandstone-dominated successions. As well as at Mount Bischoff, dolomite has been mapped at Deep Gully Creek and on the northern side of the Waratah River.

Crimson Creek Formation

The Crimson Creek Formation occurs along the eastern side of the Meredith Granite, around the Cleveland mine area and north of Mount Bischoff. The sequence is composed largely of basaltic volcaniclastic turbidites and finely bedded siltstone and mudstone. Basalts and chert are quite common in the northern areas. Thin carbonate horizons occur within the Crimson Creek Formation but rarely outcrop. Chemically, the basalts are tholeiitic in character (Brown, 1986). Due to the basaltic component within the sediments, the Crimson Creek rocks are usually deeply weathered and outcrop is generally poor.

Ordovician - Devonian sediments

A sequence of Ordovician to Devonian sediments unconformably overlies Cambrian mafic to ultramafic rocks within the Huskisson Syncline and in a smaller syncline north of the Meredith Granite between Mt. Stewart and Heazlewood. These sediments belong to the Gordon Limestone - Eldon Group sequence and are part of the same sequence that occurs near Zeehan, Queenstown and in the King River Valley. The Gordon Limestone occurs at the base of the sequence and may have a thickness of up to 500m. It generally does not outcrop. Alluvium filled valleys tend to develop above the limestone. The Gordon Limestone is overlain by the Crotty Sandstone, a white, friable quartz rich sandstone, up to 400m thick. This sandstone unit tends to outcrop as resistant ridges. The Crotty Sandstone is overlain by calcareous laminated siltstone and mudstone,

the Amber Slate. This also tends to be a poorly outcropping unit. Successive units include the Keel Sandstone, the Austral Creek Siltstone, the Florence Sandstone and the Bell Shale. In the Whyte River area, only that part of the sequence from the Gordon Limestone to the Amber Slate has been mapped. The Crotty Sandstone forms a prominent ridge around the edge of the syncline, but the rest of the sequence is poorly exposed, most of it covered by alluvium.

Meredith Granite

The Meredith Granite has been radiometrically dated at 356 Ma (with revised decay constants). Texturally it is quite variable. Around the north-eastern tip and eastern margin, the granite is porphyritic close to the contact, with feldspar phenocrysts up to 25mm long and quartz phenocrysts up to 8mm. Moving away from the contacts towards the centre of the granite, the rock becomes less porphyritic and more equigranular. It is biotite-bearing throughout. Along the northern margin, south of the Whyte River, coarse-grained equigranular biotite granite occurs right up to the contact. Zones of greisenization and concentrations of tourmaline veining are conspicuous close to the margins of the granite but are relatively scarce towards the interior. Quartz feldspar porphyry dykes related to the Meredith granite occur at Mount Bischoff and at Deep Gully Creek.

Tertiary Basalt

An extensive basalt plateau covers the area east and south of Waratah with erosional remnants to the west. Individual flows range from less than 1m to greater than 10m thick. Fluvial and lacustrine sediments occur between the basalt flows. The sediments range from mud to gravel and are often poorly consolidated. The Tertiary cover is up to 300m thick.

3.2 Structure

The same stratigraphic and structural elements occur both S and N of the Meredith Granite. South of the granite the structural trends are N-S but they swing to the NE further north. The most obvious structure in the area is the Huskisson Syncline. Ultramafic-mafic rocks were thrust over the Crimson Creek Formation along low angle structures. These rocks are unconformably overlain by Dundas Group sediments, Ordovician limestone and Silurian to Devonian siliciclastics. This sequence is folded about a N-S axis. The same units occur north of the granite in the Whyte River-Bald Hill area.

The blocks of Oonah formation at Mt. Bischoff and in the Coldstream valley have possibly also been thrust over the top of Crimson Creek Formation. Similar situations have recently been recognised on the Sorell Peninsula and near Zeehan, where Precambrian rocks have been thrust over Crimson Creek Formation. The Magnet Dyke is a ductile ultramafic/mafic slice which may have "lubricated" the fault movement. To the east of the granite, there are probably a series of fault slices running parallel to the granite contact. The block of Oonah formation may in fact contain several faulted slices of Precambrian rocks.

The structural control on the granite emplacement is apparent from the shape of the granite, particularly with the steep eastern and western sides, and the shallow plunging NE ridge under Mount Bischoff, following the regional structural trends.

3.3 Local Geology

3.3.1 Deep Gully

The Deep Gully prospect lies along the contact between the Oonah Formation and the Crimson Creek Formation. This is most likely a faulted contact. Leaman (1989) considered that the block of Oonah Formation around Mount Bischoff was probably thrust over Crimson Creek Formation.

The Oonah Formation in Deep Gully contains a thick sequence of dolomite. This was intersected in 4 of the 5 holes drilled by Comstaff from the top of Belmont Hill. The dolomite outcrops in Deep Gully Creek, but is weathered to clay. Irregular bodies of silica occur in the dolomite and some of these are well exposed in the creek. Dolomite has also been noted north of the Waratah River (Solomon, 1964), probably along strike from the dolomite in Deep Gully.

An outcropping dyke of quartz porphyry occurs in Deep Gully Creek. This dyke has been traced for about 300m. The quartz porphyry is very similar petrographically to the dykes at Mount Bischoff. It is strongly sericitized, but this alteration style at Mount Bischoff is peripheral to the mineralization. At Bischoff the tin mineralization is associated with topaz greisen style alteration in the dykes. Boulders of this type of tin-bearing topaz greisen have been found in Ethol Creek and in Deep Gully Creek, but none of this material has been found in outcrop.

The hill tops in this area are covered by Tertiary basalt flows. Sediments occur at the base of the basalt and between basalt flows. The sediments intersected in the Comstaff drill holes were tin-bearing.

3.3.2 Whyte River

The Whyte River prospect lies on the northern side of the Meredith Granite about 5km south of the Cleveland mine. It sits on the south-eastern edge of a syncline of Eldon Group sediments lying between the granite and Heazlewood. These rocks are a continuation of the Huskisson Syncline sequence south of the granite. Gordon Limestone conformably underlies the Eldon Group. The limestone does not outcrop at the Whyte River Prospect. It occurs in a valley and is covered by Quaternary alluvium. Skarn mineralization developed along the contact between the granite and the limestone.

4. WORK COMPLETED

4.1 Deep Gully

Following the reconnaissance mapping around Deep Gully Creek last year, -80 mesh stream sediment samples were collected from the creek and some of its tributaries in the vicinity of Belmont Hill. The samples collected downstream from the localities of quartz porphyry topaz greisen noted by Comstaff contained anomalous levels of tin (see Section 5:- Results). Of particular interest was a tributary draining the Deep Gully - Waratah River divide, an area not previously subject to modern exploration. In a following program, this creek was sampled in more detail. A walking track was cut between Deep Gully and the Waratah River to provide access to areas near the Oonah - Crimson Creek contact.

Following the promising results from the stream sediment geochemistry, a grid was planned to cover the Oonah - Crimson Creek contact from Deep Gully over the divide to the Waratah River and as far west as the headwaters of Cliff Creek. Work on this grid is still in progress and will be reported in next years annual report.

4.2 Whyte River

The outcropping magnetite skarn on the northern margin of the Meredith Granite was covered with a small grid totalling 3 line kms. The grid was cut by contract grid cutters. The grid was tape and compass surveyed, geologically mapped and rock-chip sampled. A ground magnetic survey was conducted over the grid by B. Stedman of Highland Exploration using two GSM-18 proton magnetometers, with a sensor height of 2.4m and a station spacing of 5m. The base station was read at 15 second

intervals. This data was processed by Tesla-10 Pty. Ltd. An old grid cut by previous explorers immediately north of the Whyte River Grid was surveyed with ground magnetics by RGCE personnel, and the results of this survey were included in the processing by Tesla-10.

The irregular shape of the skarn complicated the interpretation of the magnetic data. Consequently three short infill lines totalling 700m were cut. These lines have been mapped and tape and compass surveyed but have not yet been surveyed with ground magnetics.

4.3 Wombat Flat

A creek in the Wombat Flat area was identified from the Comstaff stream sediment data. Most of the streams draining the north-eastern part of the granite are anomalous in tin because of the occurrence of greisen mineralization within the margins of the granite. This particular stream however drained from the east and did not drain the margin of the granite, yet was still anomalous in tin. Minus 80 mesh stream sediment sampling was conducted along this creek and its tributaries at a spacing of 200m to check the previous results.

5. RESULTS

A total of sixty-five -80 mesh samples were collected and submitted to Analabs for analysis. Three potential sources of tin anomalism exist in the Waratah region:

(1) primary pyrrhotite-associated mineralization

(2) greisen mineralization around the granite margin

(3) tin derived from the above two sources, deposited in Tertiary sediments and subsequently reworked.

A combined NAA/ICP package was chosen to attempt to distinguish these sources. The elements analyzed included a sulphide and gold associated suite, major rock forming elements, a granitic suite and rare earth elements. The analytical methods employed were:

Method		Elements
ICP	GI 201	Cu Zn Li K Sr Ba Na Mg Ca
ICP	GI 202	Al Si P Fe Nb Y Ti V Mn
ICP	GI 222	Ag Rb Be Mo Pb Bi Ga Ni Cd Tl In
NAA	GN 801	Cs As Sb W Au Se Zr Br Co Sc Cr La Ce Sm Eu Yb Lu Hf Ta Ir Th U
XRF	GX 401	Sn

5.1 Deep Gully

The stream sediment sampling confirmed Comstaff's results. Anomalous tin values occurred in samples taken from Deep Gully Creek downstream from the Deep Gully track and particularly in Ethol Creek and another creek draining the Deep Gully - Waratah River divide. In Ethol Creek and in Deep Gully Creek boulders of mineralized quartz porphyry up to 0.5m in diameter were located. The presence of an unmineralized quartz porphyry dyke outcropping upstream in Deep Gully, and the large size of the boulders suggests that they are from a local source. A further seven -80 mesh stream sediment samples were collected from the creek draining the Waratah River divide. These samples returned values of up to 680 ppm tin. Quartzite and shales belonging to the Oonah Formation outcrop along this creek.

5.2 Whyte River

The Whyte River Grid was difficult to map due to a lack of outcrop in this densely vegetated area. Although some boulders of granite outcropped, the location of the granite could be distinguished by the presence of very coarse granite-derived quartz grains in the soil. The location of the skarn was obvious from the dark ochre-red soil with lumps of massive hematite - magnetite in a zone more than 50m wide at its thickest and several hundred metres long. The skarn body lies along the contact of the granite around a peculiar semi-circular embayment within the contact. Although the quartz sandstone at the base of the Eldon Group stands out as a topographic high, it is poorly outcropping even on very steep slopes where it tends to form scree slopes.

The stream sediment geochemistry was a good indicator towards the skarn. Samples collected downstream from the skarn contained up to 180 ppm tin. The tin values progressively diminished further downstream. The stream sediment is unusually rich in monazite which is reflected in the high levels of REE's and Th.

The ground magnetics showed essentially a one line anomaly on line 2600N. This line crossed the skarn twice producing a double spike in the magnetic profile with a maximum anomaly of 8000 nanoteslas. The effect of the magnetic body was also apparent on lines 2500N and 2700N. The magnetic anomaly can be followed past line 9200N (Aberfoyle Grid), but the skarn here is apparently narrow and patchy. The magnetic contour plan produced by Tesla-10 is not a realistic picture of the skarn body since it has not been constrained by the geology and does not reflect the shape of the skarn.

Eleven rock chip samples of the massive magnetite - hematite were collected during the grid mapping. These were analysed at Analabs, Cooee for Sn, Cu, Pb, Zn, Ag, As and W. The samples were crushed and disc-ground to 80% < 150 microns. A riffle split of 500g was taken and pulverized in a Labtech Mill and a split was then taken for analysis.

The analytical methods employed were:

Method		Elements
XRF	GX 401	Sn, W
AAS	GA 101	Cu, Pb, Zn, Ag
Hydride Generation/AAS	GA 114	As

The samples averaged around 300 ppm tin with a highest value of 1000 ppm and averaged 150 ppm W with a highest value of 630 ppm. They were also weakly anomalous in As, Pb and Zn. The result of the rock chip geochemistry are presented in Appendix 2.

5.3 Wombat Flat

Re-sampling of the creek at Wombat Flat confirmed the anomalous levels of tin in the stream sediment. During the sampling, outcropping Tertiary siltstone was mapped in the creek beneath the Tertiary basalt flows. The anomalous geochemistry occurs downstream from the Tertiary sediments and indicates that this is the source of the tin. The tin was probably derived from the greisens during a period of erosion during the Tertiary.

6. WORK PROPOSED

The Deep Gully prospect is of interest because it exhibits the following features:

1) It lies above a shallow NE plunging granite ridge, along strike from Mount Bischoff.

2) Significant stream sediment tin anomalies have been located.

3) Float of greisenized quartz porphyry identical to the Mt. Bischoff topaz greisen has been located in the area.

4) Suitable host rocks for replacememt occur in the area. A broad dolomite horizon occurs in the Oonah formation adjacent to the contact with the Crimson Creek formation.

5) The Cambrian-Precambrian boundary which runs through the area is probably a major fault, with significant mineralization occurring along it further to the SW at Magnet.

6) A significant DIGHEM anomaly identified by Comstaff has never been investigated because it was outside Comstaff's EL. This anomaly lies along the Cambrian-Precambrian boundary presumably where the dolomite occurs along the faulted contact.

Future work on the EL's will concentrate on the Deep Gully - Waratah River area. A grid is currently being cut to cover the Oonah Formation - Crimson Creek contact. The planned size of the grid is 22 line km. The entire grid will be soil sampled at 25m spacings. Multi-element geochemistry from the soil samples will be used as an aid to mapping as this area is heavily forested, with little outcrop. The grid will also be surveyed with ground magnetics to search for magnetic anomalies associated with massive pyrrhotite. Magnetics will also assist the geological interpretation.

No further work is proposed for the Whyte River grid other than completion of the ground magnetic survey on the infill lines. This prospect has been assigned a lower priority than Deep Gully due to the relatively low levels of tin and base metals in the outcropping skarn. Sufficient work has been done on this prospect to target a drill hole should this be deemed necessary.

7. REFERENCES

Groves, D. I. and Solomon, M., 1964: The geology of the Mt. Bischoff district. Pap. Proc. R. Soc. Tasm., V. 98, pp. 1-22

Halley, S. W., 1991: E.L. 12/90 and 15/90, Waratah Annual Report 1990/91. RGC Exploration Pty. Ltd.

Leaman, D.E., and Richardson, R.G., 1989: The granites of west and north west Tasmania - A geophysical interpretation. Bull. Geol. Surv. Tasm. 66.

APPENDIX 1

Stream Sediment Geochemistry

RGC EXPLORATION PTY.LTD. DATA SHEET

PROJECT: WARATAH STREAM SEDIMENT SAMPLING EL 12/90 & EL 15/90

	SAMPLE NUMBER	TNORTH metres	TEAST metres	CODE	SAMPLR	DATE	GRID	KIND	STREAM	FLOW	CUT	WIDTH	COMPOS	BANK		RATING	
T	35001	402900	372660	5530	MFSH	FEB.91		SS80	CK	M	0.4	10	124210	2	V	2	3
T	35002	402915	372660	5530	MFSH	FEB.91		SS80	CK	M	0.4	10	124210	2	V	2	3
T	35003	402470	373590	5530	MFSH	FEB.91		SS80	CK	SL	0.3	30	024310	1	E/V	1	4
T	35004	402470	373590	5530	MFSH	FEB.91		SS80	CK	SL	0.3	30	024310	1	E/V	1	4
T	35005	402470	373570	5530	MFSH	FEB.91		SS80	CK	SL	0.3	30	024310	1	E/V	1	4
T	35006	402460	373280	5530	MFSH	FEB.91		SS80	CK	M	0.8	10	133210	1	V	1	3
T	35007	402440	373280	5530	MFSH	FEB.91		SS80	CK	M	1.2	10	123310	3	V	1	3
T	35008	402380	373140	5530	MFSH	FEB.91		SS80	CK	SL	0.6	10	014410	1	V	1	4
T	35009	402330	372990	5530	MFSH	FEB.91		SS80	CK	SL	0.6	20	014410	1	V	1	4
T	35010	402390	372800	5530	MFSH	FEB.91		SS80	CK	SL	0.2	15	133210	3	C/V	1	3
T	35011	402370	372800	5530	MFSH	FEB.91		SS80	CK	SL	0.2	15	133210	3	C/V	1	3
T	35012	402490	372820	5530	MFSH	FEB.91		SS80	CK	M	1.0	10	233110	2	V	2	2
T	35013	402670	372880	5530	MFSH	FEB.91		SS80	CK	SL	1.0	25	123310	1	V	1	3
T	35014	402860	372810	5530	MFSH	FEB.91		SS80	CK	SL	2.5	15	123220	25	R/V	1	3
T	35015	402875	372810	5530	MFSH	FEB.91		SS80	CK	SL	2.5	15	123220	25	R/V	1	3
T	35016	402860	372640	5530	MFSH	FEB.91		SS80	CK	SL	0.5	10	023320	1	V	1	4
T	35017	402860	372640	5530	MFSH	FEB.91		SS80	CK	SL	0.5	10	023320	1	V	1	4
T	35018	402860	372660	5530	MFSH	FEB.91		SS80	CK	SL	0.5	10	023320	1	V	1	4
T	35019	402880	372610	5530	MFSH	FEB.91		SS80	CK	SL	0.4	12	134110	1	V	2	2
T	35020	402900	372610	5530	MFSH	FEB.91		SS80	CK	SL	0.4	12	134110	1	V	2	2
T	35021	402880	372560	5530	MFSH	FEB.91		SS80	CK	SL	0.4	20	133210	1	V	1	3
T	35022	402850	372460	5530	MFSH	FEB.91		SS80	CK	SL	0.5	15	133210	1	V	1	3
T	35023	402820	372370	5530	MFSH	FEB.91		SS80	CK	SL	0.4	10	124210	1	V	1	2
T	35024	402820	372390	5530	MFSH	FEB.91		SS80	CK	SL	0.4	10	124210	1	V	1	2
T	35025	401160	377070	5530	MFSH	FEB.91		SS80	CK	M	0.4	15	113320	3	V	2	4
T	35026	401160	377050	5530	MFSH	FEB.91		SS80	CK	M	0.4	15	113320	3	V	2	4
T	35027	401160	377260	5530	MFSH	FEB.91		SS80	CK	M	0.6	7	223210	2	V	2	3
T	35028	414410	379115	5530	SHCC	FEB.91	DGC	SS80	CK	M	1	5	322210				
T	35029	414425	378975	5530	CCSH	FEB.91	DGC	SS80	CK	SL	0.5	10	33211	2	V	2	3
T	35030	414600	378820	5530	SHCC	FEB.91	DGC	SS80	CK	M	0.5	12	332110	2	V	2	3
T	35031	414605	378670	5530	SHCC	FEB.91	DGC	SS80	CK	M	1.2	6	332110	2	V	2	3
T	35032	414570	378500	5530	SHCC	FEB.91	DGC	SS80	CK	M	0.5	8	332110	2	V	2	3
T	35033	414735	378405	5530	SHCC	FEB.91	DGC	SS80	CK	M	0.6	7	223210	2	V	2	3
T	35034	414890	378375	5530	SHCC	FEB.91	DGC	SS80	CK	F	0.8	15	243100	2	V	2	3
T	35035	415040	378415	5530	SHCC	FEB.91	DGC	SS80	CK	F	2	9	422110	3	V	3	2

Laboratory:
Method :
Det. Limit:

RGC EXPLORATION PTY.LTD. DATA SHEET

PROJECT: WARATAH STREAM SEDIMENT SAMPLING EL 12/90 & EL 15/90

	SAMPLE NUMBER	TNORTH metres	TEAST metres	CODE	SAMPLR	DATE	GRID	KIND	STREAM	FLOW	CUT	WIDTH	COMPOS	BANK		RATING	
T	35036	415200	378340	5530	SHCC	FEB.91	DGC	SS80	CK	M	0.5	10	332200	3	V	3	3
T	35037	415330	378240	5530	SHCC	FEB.91	DGC	SS80	CK	F	0.4	15	42211	3	V	2	2
T	35038	415470	378120	5530	SHCC	FEB.91	DGC	SS80	CK	F	0.6	6	432100				
T	35039	415615	378005	5530	SHCC	FEB.91	DGC	SS80	CK	F	0.6	6	432100	2	V	2	3
T	35040	414300	379240	5530	SHCC	FEB.91	DGC	SS80	CK	M	0.6	8	432100	3	V	2	3
T	35041	414180	379300	5530	SHCC	FEB.91	DGC	SS80	CK	M	0.6	12	332110	2	V	2	3
T	35042	414135	379310	5530	SHCC	FEB.91	DGC	SS80	CK	M	0.2	8	332110				
T	35043	414245	379440	5530	SHCC	FEB.91	DGC	SS80	CK	M	1	8	332110	2	V	2	3
T	35044	414250	379650	5530	SHCC	FEB.91	DGC	SS80	CK	F	1	20	323110	2	V	2	3
T	35045	414415	379075	5530	SHCC	FEB.91	DGC	SS80	CK	M	0.3	4	432100	2	V	2	3
T	35046	414455	378990	5530	SHCC	FEB.91	DGC	SS80	CK	ST	0.3	20	114220	2	V	2	3
T	35047	414520	379040	5530	SHCC	FEB.91	DGC	SS80	CK	ST	2	4	332110	3	V	3	2
T	35048	414520	379040	5530	SHCC	FEB.91	DGC	SS80	CK	ST	2	4	33211	3	V	3	2
T	35049	414550	378680	5530	SHCC	FEB.91	DGC	SS80	CK	SL			422110	3	V	3	2
T	35050	414580	378615	5530	SHCC	FEB.91	DGC	SS80	CK	SL			422110	3	V	3	2
T	35051	414475	378665	5530	SHCC	FEB.91	DGC	SS80	CK				233200	3	V	3	2
T	35052	414410	378630	5530	SHCC	FEB.91	DGC	SS80	CK				23320	3	V	3	2
T	35053	403720	363160	5530	SHCC	MAR.91	WRG	SS80	CK	M	0.6	5	225100	1	V	2	3
T	35054	403620	363190	5530	SHCC	MAR.91	WRG	SS80	CK	M	0.5	6	234100	1	V	2	3
T	35055	403330	363170	5530	SHCC	MAR.91	WRG	SS80	CK	M	0.3	4	217000	3	V	2	3
T	35056	403330	363170	5530	SHCC	MAR.91	WRG	SS80	CK	M	0.3	4	217000	3	V	2	3
T	35057	403120	363180	5530	SHCC	MAR.91	WRG	SS80	CK	S	0.3	7	026200	2	V	2	3
T	35058	402940	363120	5530	SHCC	MAR.91	WRG	SS80	CK	SL	0.3	4	009100	3	V	2	3
T	35059	402770	363090	5530	SHCC	MAR.91	WRG	SS80	CK	SL	0.3	3	009100	2	V	2	3
T	35060	402690	363100	5530	SHCC	MAR.91	WRG	SS80	CK	SL	0.3	2	208000	3	V	3	2
T	35061	403270	363210	5530	SHCC	MAR.91	WRG	SS80	CK	M	0.4	5	108100	2	V	2	3
T	35062	403230	363390	5530	SHCC	MAR.91	WRG	SS80	CK	M	0.5	3	325000	3	V	3	2
T	35063	402690	363130	5530	SHCC	MAR.91	WRG	SS80	CK	M	0.4	3	126100	3	V	3	2
T	35064	402740	363040	5530	SHCC	MAR.91	WRG	SS80	CK	SL	0.3	2	117100	4	V	2	3
T	35065	402740	363040	5530	SHCC	MAR.91	WRG	SS80	CK	SL	0.3	2	117100	4	V	2	3
T	35077	413620	376490	5530	SH	JAN.92		SS80	CK	F	2	2	010351	4	A	4	4
T	35078	414295	378565	5530	SH	JAN.92	DGC	SS80	CK	M	0.3	4	002341	2	A	2	3
T	35079	414290	378590	5530	SH	JAN.92	DGC	SS80	CK	M	0.3	4	002341	2	A	2	3
T	35080	414205	378480	5530	SH	JAN.92	DGC	SS80	CK	M	0.4	5	321211	2	A	2	3
T	35081	414165	378380	5530	SH	JAN.92	DGC	SS80	CK	M	0.4	4	521110	3	A	3	3

Laboratory:
Method :
Det. Limit:

PROJECT: WARATAH STREAM SEDIMENT SAMPLING EL 12/90 & EL 15/90

SAMPLE NUMBER	NORTH metres	EAST metres	CODE	SAMPLR	DATE	GRID	KIND	STREAM	FLOW	CUT	WIDTH	COMPOS	BANK	RATING	
T 35082	414130	378250	5530	SH	JAN.92	DGC	SS80	CK	M	0.6	2	251110	3	A	3 3
T 35083	414000	378125	5530	SH	JAN.92	DGC	SS80	CK	M	0.6	2	332110	4	A	3 2
T 35084	413975	378140	5530	SH	JAN.92	DGC	SS80	CK	S	0.3	3	122410	3	A	3 3

Laboratory:
Method :
Det. Limit:

NAME:CODE

6530	WARATAH

NAME:COMPOS

1	10%	2	20%	3	30%
4	40%	5	50%	6	60%
7	70%	8	80%	9	90%
A	100%				

NAME:FLOW

F	FAST	M	MODERATE	SL	SLOW
ST	STAGNANT	T	TORRANT		

NAME:GRID

DGC	DEEP GULLY CREEK	WRG	WHYTE RIVER GRID

NAME:KIND

SS80	STREAM SEDIMENT - MINUS 80#

NAME:SAMPLR

CC	CHRISTOPHER COONEY	MF	MARK FLEMING	SH	SCOTT HALLEY

NAME:STREAM

CK	CREEK

PROJECT: WARATAH STREAM SEDIMENT SAMPLING EL 12/90 & EL 15/90

SAMPLE NUMBER	LI PPM	K %	RB PPM	CS PPM	BE PPM	CU PPM	ZN PPM	AS PPM	MO PPM	AG PPM	SN PPM	SB PPM	W PPM
T 35001	27	1.81	97.30	5	0.9	19	119	42	2.0	0.5	185	3.1	22
T 35002	19	2.11	105.00	4	0.6	6	65	7	2.6	0.8	247	1.4	80
T 35003	11	0.19	9.13	2	0.7	9	130	-2	0.5	0.2	240	0.5	10
T 35004	11	0.19	9.32	1	0.5	10	130	-2	0.5	0.1	250	0.8	32
T 35005	11	0.20	10.00	-1	0.6	7	100	2	0.3	0.1	30	0.7	8
T 35006	11	0.19	9.66	1	0.7	8	96	2	0.2	0.2	75	0.5	16
T 35007	9	0.18	8.87	-1	0.7	9	109	2	0.2	0.2	60	-0.5	5
T 35008	9	0.14	7.38	-1	0.6	5	114	2	-0.1	0.3	65	0.6	9
T 35009	9	0.16	8.40	-1	0.4	5	118	-2	0.7	0.2	75	-0.5	6
T 35010	14	0.38	20.00	3	1.0	18	89	7	1.0	0.7	140	1.0	12
T 35011	12	0.34	18.20	2	1.0	15	84	7	0.7	1.2	310	1.1	5
T 35012	11	0.23	11.70	2	0.7	11	97	3	0.2	0.3		0.6	13
T 35013	11	0.27	14.20	1	0.8	11	93	3	0.2	0.2	80	0.7	3
T 35014	11	0.52	24.60	2	0.6	6	103	3	0.1	0.3		0.7	7
T 35015	11	0.43	21.60	3	0.8	8	102	4	-0.1	0.2	250	0.7	4
T 35016	12	0.56	27.60	3	0.7	11	96	3	-0.1	0.2	75	0.7	7
T 35017	12	0.55	29.50	3	0.8	10	95	3	0.4	0.5	60	0.7	4
T 35018	11	0.44	21.80	1	0.6	8	128	4	0.8	0.6	300	0.8	7
T 35019	18	1.99	95.20	3	0.5	5	85	5	0.7	0.9	152	1.3	5
T 35020	19	2.20	103.00	3	0.6	6	82	4	0.6	1.9	204	1.2	11
T 35021	19	2.05	94.20	3	0.5	-5	78	4	0.3	0.9	247	1.2	6
T 35022	16	1.70	79.70	3	0.6	5	74	4	0.2	0.5	95	1.2	6
T 35023	17	1.63	77.80	2	0.5	-5	85	3	-0.1	0.5	190	1.2	4
T 35024	17	1.59	74.50	2	0.5	-5	82	4	0.2	0.5	160	1.0	6
T 35025	16	0.63	29.40	3	0.6	5	51	-2	0.3	0.4	9	1.4	2
T 35026	16	0.65	29.30	3	0.6	6	42	-2	0.6	0.5	7	1.4	5
T 35027	16	0.63	30.10	2	0.5	5	39	-2	1.0	0.7	-3	1.3	-2
T 35028	19	0.50	24.70	2	1.2	26	134	3	1.5	0.7	25	-0.5	-2
T 35029	25	0.59	33.80	3	1.1	18	98	3	0.7	0.5	55	-0.5	-2
T 35030	23	0.55	30.40	2	0.9	19	106	3	0.3	0.3	250	-0.5	4
T 35031	23	0.57	30.40	3	1.1	18	105	3	0.6	0.6	40	-0.5	-2
T 35032	23	0.60	33.60	4	1.3	22	110	4	0.8	0.8	40	0.6	3
T 35033	25	0.65	35.60	3	1.3	19	103	4	0.6	0.4	70	-0.5	-2
T 35034	25	0.63	35.50	4	1.4	19	93	4	0.9	0.7	320	-0.5	4
T 35035	25	0.62	33.70	3	1.4	27	107	4	0.9	0.8	260	-0.5	-2
Laboratory	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB
Method	GI201	GI201	GI222	GN801	GI222	GI201	GI201	GN801	GI222	GI222	GX401	GN801	GN801
Det. Limi	2.000	0.050	0.050	1.000	0.100	5.000	5.000	2.000	0.100	0.100	3.000	0.500	2.000

PROJECT: WARATAH STREAM SEDIMENT SAMPLING EL 12/90 & EL 15/90

SAMPLE NUMBER	AU PPM	PB PPM	BI PPM	SR PPM	SE PPM	BA PPM	NA %	MG %	AL %	SI %	P PPM	CA %	FE %
T 35001	-0.005	90	0.7	43	-5	265	0.310	0.566	3.91	28.1	271	1.070	5.85
T 35002	-0.005	43	1.0	39	-5	285	0.230	0.193	2.94	36.3	178	0.636	2.14
T 35003	-0.005	10	0.2	22	-5	62	0.170	1.930	4.86	26.2	297	2.030	9.18
T 35004	0.362	12	0.4	23	-5	60	0.180	1.910	4.52	24.2	277	2.040	9.23
T 35005	-0.005	13	0.2	28	-5	62	0.210	1.760	3.61	23.5	226	1.930	8.12
T 35006	-0.005	13	0.3	26	-5	59	0.200	2.050	3.97	23.9	263	2.330	8.04
T 35007	-0.005	9	0.2	29	-5	55	0.230	2.610	3.86	24.9	221	2.960	9.68
T 35008	-0.005	9	0.2	23	-5	42	0.190	3.060	3.37	23.4	203	3.380	9.84
T 35009	-0.005	10	-0.1	25	-5	53	0.190	2.600	3.62	23.1	213	2.810	9.76
T 35010	-0.005	16	0.3	34	-5	95	0.190	0.981	4.43	27.7	367	1.290	7.08
T 35011	-0.005	16	0.3	29	-5	80	0.170	1.010	3.95	28.0	319	1.320	7.15
T 35012	-0.005	13	0.2	31	-5	67	0.220	1.760	3.90	23.9	270	2.010	8.06
T 35013	-0.005	13	0.2	33	-5	77	0.220	1.630	4.42	24.3	297	1.890	7.82
T 35014	-0.005	13	0.2	31	-5	89	0.220	1.800	3.74	26.6	249	2.060	8.86
T 35015	-0.005	14	0.2	31	-5	83	0.210	1.760	3.91	26.3	263	2.020	8.15
T 35016	-0.005	18	0.2	33	-5	97	0.210	1.460	4.07	25.5	259	1.720	6.84
T 35017	0.008	18	0.2	34	-5	101	0.220	1.490	4.27	25.7	267	1.770	7.16
T 35018	-0.005	14	-0.1	24	-5	75	0.160	1.820	3.45	26.5	290	2.050	8.15
T 35019	-0.005	30	0.3	37	-5	247	0.220	0.358	2.76	33.4	193	0.805	2.87
T 35020	-0.005	32	0.4	38	-5	272	0.240	0.205	2.77	36.6	213	0.597	2.19
T 35021	-0.005	29	0.3	32	-5	231	0.200	0.155	2.45	36.0	182	0.719	2.10
T 35022	-0.005	25	0.3	36	-5	209	0.230	0.604	3.05	32.4	187	0.949	3.80
T 35023	-0.005	21	0.2	31	-5	198	0.200	0.009	2.62	32.6	205	1.070	3.87
T 35024	-0.005	24	0.3	29	-5	185	0.180	0.608	2.49	31.3	196	1.090	3.75
T 35025	-0.005	19	0.1	21	-5	112	0.070	0.372	1.87	34.1	151	0.331	2.60
T 35026	-0.005	18	0.1	20	-5	142	0.080	0.361	1.89	36.7	148	0.330	2.46
T 35027	-0.005	16	-0.1	25	-5	130	0.080	0.357	1.94	37.6	133	0.337	2.36
T 35028	-0.005	11	0.1	68	-5	181	0.260	1.210	6.15	25.9	575	1.040	7.46
T 35029	-0.005	10	0.1	56	-5	164	0.210	0.877	4.69	29.7	398	0.767	5.50
T 35030	-0.005	11	0.1	53	-5	159	0.200	0.922	4.51	29.5	429	0.824	5.65
T 35031	-0.005	10	0.1	53	-5	161	0.200	0.910	4.99	30.9	398	0.799	5.84
T 35032	-0.005	10	0.1	58	-5	185	0.210	0.786	5.03	27.0	513	0.687	5.50
T 35033	-0.005	9	0.1	52	-5	177	0.190	0.769	4.78	29.2	426	0.642	5.34
T 35034	-0.005	10	0.2	51	-5	162	0.230	0.800	4.51	30.8	451	0.729	5.42
T 35035	-0.005	11	0.1	56	-5	177	0.310	0.858	4.59	28.9	440	0.744	5.96

Laboratory	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB
Method	GN801	GI222	GI222	GI201	GN801	GI201	GI201	GI201	GI202	GI202	GI202	GI201	GI202
Det. Limi	0.005	1.000	0.100	1.000	5.000	5.000	0.005	0.005	0.020	0.100		0.005	0.020

RGC EXPLORATION PTY.LTD. DATA SHEET

15/ 6/92

PROJECT: WARATAH STREAM SEDIMENT SAMPLING EL 12/90 & EL 15/90

SAMPLE NUMBER	LA PPM	CE PPM	SM PPM	EU PPM	YB PPM	LU PPM	HF PPM	TA PPM	IR PPM	TL PPM	TH PPM	U PPM	IN PPM
T 35001	43.0	90	7.4	0.7	6.1	0.9	17	4	-0.02	0.6	15.5	4	0.14
T 35002	57.5	109	9.3	0.6	8.2	1.2	27	5	-0.02	0.5	22.0	4	0.11
T 35003	21.2	45	4.7	0.5	2.7	0.4	16	2	-0.02	-0.5	8.7	-2	0.16
T 35004	22.4	49	5.0	-0.5	3.0	0.5	17	4	-0.02	-0.5	9.2	-2	0.18
T 35005	13.2	24	3.0	-0.5	2.4	0.3	14	3	-0.02	-0.5	5.4	-2	0.17
T 35006	12.6	25	3.0	-0.5	2.0	0.3	11	2	-0.02	-0.5	4.4	-2	0.18
T 35007	12.0	26	3.1	0.6	2.2	0.3	13	3	-0.02	-0.5	4.5	-2	0.19
T 35008	17.2	35	4.2	-0.5	2.9	0.4	18	3	-0.02	-0.5	7.0	-2	0.19
T 35009	20.7	43	4.6	-0.5	3.0	0.5	19	4	-0.02	0.8	8.4	2	0.09
T 35010	35.8	71	7.0	0.7	4.3	0.6	15	5	-0.02	-0.5	13.3	-2	0.13
T 35011	57.9	117	10.8	0.5	5.9	0.9	19	7	-0.02	-0.5	21.8	-2	0.15
T 35012	18.7	37	4.0	0.5	2.5	0.4	13	3	-0.02	-0.5	7.1	-2	0.16
T 35013	23.2	45	4.7	0.7	2.6	0.4	12	3	-0.02	-0.5	8.5	-2	0.16
T 35014	30.7	62	6.1	0.7	4.2	0.6	24	5	-0.02		12.6	-2	0.20
T 35015	36.2	74	7.1	0.6	4.2	0.6	20	4	-0.02	-0.5	14.6	3	0.18
T 35016	26.6	53	5.3	0.7	3.4	0.5	16	4	-0.02	-0.5	9.8	-2	0.15
T 35017	25.1	49	5.1	0.8	3.3	0.5	17	3	-0.02	-0.5	9.4	-2	0.16
T 35018	79.1	157	14.6	0.6	6.8	1.1	31	6	-0.02	0.8	31.0	4	0.08
T 35019	88.7	176	14.7	0.7	13.8	2.1	51	8	-0.02	0.7	35.9	7	0.12
T 35020	108.0	208	17.2	-0.5	16.4	2.5	60	9	-0.02	0.6	43.7	10	0.12
T 35021	117.0	228	18.8	0.6	18.7	2.9	65	9	-0.02	-0.5	46.9	13	0.13
T 35022	47.8	92	8.2	0.7	7.2	1.0	29	5	-0.02	-0.5	19.0	4	0.15
T 35023	84.5	168	14.3	1.1	12.8	1.9	48	8	-0.02	-0.5	34.1	8	0.14
T 35024	83.2	162	14.1	0.6	12.9	1.9	46	8	-0.02	-0.5	33.1	5	0.14
T 35025	47.2	96	8.6	0.6	4.2	0.6	27	2	-0.02	-0.5	20.6	-2	0.08
T 35026	35.7	72	6.5	0.5	3.3	0.5	22	2	-0.02	-0.5	14.9	2	0.07
T 35027	30.2	59	5.4	-0.5	3.2	0.4	18	2	-0.02	0.9	11.5	-2	-0.05
T 35028	30.8	59	6.2	0.8	2.9	0.4	13	2	-0.02	0.5	13.1	-2	0.12
T 35029	36.2	69	6.9	-0.5	3.6	0.5	16	1	-0.02	-0.5	14.7	-2	0.11
T 35030	79.1	150	15.1	1.0	6.3	0.9	32	2	-0.02	-0.5	37.6	-2	0.11
T 35031	34.3	64	6.4	0.8	3.3	0.5	16	2	-0.02	-0.5	14.3	-2	0.09
T 35032	21.9	41	4.3	0.9	2.4	0.3	9	2	-0.02	-0.5	7.2	-2	0.12
T 35033	24.8	47	4.7	0.8	2.4	0.3	10	1	-0.02	-0.5	8.5	-2	0.11
T 35034	36.3	69	6.9	0.7	3.6	0.5	16	2	-0.02	-0.5	14.6	-2	0.09
T 35035	36.0	69	6.9	0.9	3.2	0.5	15	1	-0.02	-0.5	14.7	-2	0.10
Laboratory	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB
Method	GN801	GN001	GN801	GN801	GN801	GN801	GN801	GN801	GN801	G1222	GN801	GN801	G1222
Det. Limi	0.500	0.000	0.200	0.500	0.500	0.200	1.000	1.000	0.020	0.500	0.500	2.000	0.050

620620

RGC EXPLORATION PTY.LTD. DATA SHEET

15/ 6/92

PROJECT: WARATAH STREAM SEDIMENT SAMPLING EL 12/90 & EL 15/90

SAMPLE NUMBER	NB PPM	ZR PPM	Y PPM	BR PPM	GA PPM	NI PPM	CO PPM	SC PPM	TI PPM	V PPM	CR PPM	MN PPM	CD PPM
T 35001	21	582	55	10	10.9	32	10	10.3	8200	96	178	1750	0.2
T 35002	27	936	61	19	7.2	30	4	5.6	7770	46	223	1310	0.1
T 35003	24	675	19	10	14.3	129	36	23.3	36700	401	8920	1050	0.1
T 35004	24	642	17	13	13.9	136	37	23.9	39200	401	8400	1050	0.1
T 35005	27	624	13	25	13.3	106	32	23.2	40700	366	2290	939	-0.1
T 35006	-20	-500	11	33	14.2	119	32	24.1	31000	343	3700	889	-0.1
T 35007	26	675	13	17	13.3	121	38	30.0	46000	453	3150	1160	-0.1
T 35008	31	-500	20	13	12.6	136	44	34.3	49100	483	4960	1270	0.2
T 35009	30	714	23	17	12.3	119	42	30.8	50600	470	4440	1240	-0.1
T 35010	43	515	30	27	12.5	93	37	17.0	24400	232	907	1220	-0.1
T 35011	57	732	45	20	11.9	81	34	17.4	24600	223	1370	1180	-0.1
T 35012	24	-500	17	34	12.6	107	35	23.2	36800	340	2010	971	-0.1
T 35013	23	-500	25	38	13.7	96	31	21.8	32500	323	1660	877	-0.1
T 35014	35	1170	30	14	11.8	98	34	24.9	46000	392	1780	1240	-0.1
T 35015	28	618	31	20	12.5	95	32	23.5	36500	343	2790	1100	-0.1
T 35016	24	610	21	25	13.2	97	28	20.7	28900	284	1910	919	0.2
T 35017	24	692	23	25	14.2	99	29	20.7	30600	298	1620	933	0.2
T 35018	46	1200	63	15	10.6	98	34	23.5	32800	320	7210	1430	0.1
T 35019	45	1860	99	10	7.8	18	8	8.9	16900	90	584	1710	-0.1
T 35020	51	2260	119	13	7.3	20	5	6.9	11900	51	324	1730	-0.1
T 35021	61	2530	141	5	7.0	7	4	6.9	12500	46	357	2140	-0.1
T 35022	31	1040	61	20	8.7	40	13	10.9	18600	142	854	1200	-0.1
T 35023	54	1580	98	6	7.8	29	12	12.0	22800	150	1750	1850	0.2
T 35024	50	1840	93	6	7.6	36	12	11.5	20000	140	1590	1720	-0.1
T 35025	-20	1030	27	11	5.9	22	16	7.3	9200	92	1150	465	0.1
T 35026	-20	882	26	7	5.3	27	12	7.0	8990	88	643	305	0.2
T 35027	-20	768	23	11	5.5	23	12	6.5	9250	88	488	466	-0.1
T 35028	-20	-500	28	28	14.8	111	37	15.5	17500	191	585	836	0.1
T 35029	-20	715	28	21	11.8	69	28	12.0	12000	138	731	615	-0.1
T 35030	-20	1190	50	17	11.4	76	30	12.9	16700	169	1650	592	0.1
T 35031	-20	512	29	13	12.3	80	32	12.8	14700	158	636	566	0.1
T 35032	-20	-500	19	33	13.0	84	31	12.3	11300	134	398	730	0.2
T 35033	-20	-500	21	22	12.6	72	28	11.7	10400	131	443	676	-0.1
T 35034	-20	646	31	32	11.7	75	27	12.3	12200	144	870	631	0.1
T 35035	-20	-500	26	17	12.5	77	28	13.5	11600	153	822	610	0.1
Laboratory	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB
Method	GI202	GN801	GI202	GN801	GI222	GI222	GN801	GN801	GI202	GI202	GN801	GI202	GI222
Det. Limi	0.000		5.000	2.000	0.500	2.000	1.000	0.100	0.000	5.000	5.000	0.000	0.100

PROJECT: WARATAH STREAM SEDIMENT SAMPLING EL 12/90 & EL 15/90

SAMPLE NUMBER	LI PPM	K %	RB PPM	CS PPM	BE PPM	CU PPM	ZN PPM	AS PPM	MO PPM	AG PPM	SN PPM	SB PPM	W PPM
T 35036	23	0.61	34.30	3	1.5	24	107	3	1.0	0.9	140	-0.5	3
T 35037	25	0.62	32.50	4	1.1	24	98	3	1.0	0.5	280	-0.5	2
T 35038	23	0.58	31.60	3	1.4	24	102	3	1.1	0.5	480	-0.5	5
T 35039	25	0.58	30.20	3	1.4	23	103	4	1.0	0.6	140	-0.5	-2
T 35040	18	0.51	24.40	3	1.3	30	150	4	0.8	0.5	10	-0.5	-2
T 35041	20	0.61	30.70	2	1.1	23	123	3	1.0	0.7	25	-0.5	-2
T 35042	20	0.71	38.30	3	1.0	12	73	3	0.6	0.6	10	-0.5	-2
T 35043	17	0.52	24.00	2	1.2	30	136	3	0.7	0.4	20	-0.5	-2
T 35044	16	0.43	17.20	2	1.1	32	167	3	0.9	0.6	5	-0.5	-2
T 35045	21	1.06	56.80	5	1.4	20	100	7	1.0	0.7	430	0.9	3
T 35046	21	0.75	44.00	5	1.0	17	76	4	1.1	0.8	95	0.9	3
T 35047	23	1.12	63.20	7	1.5	22	84	7	1.6	0.9	490	1.2	4
T 35048	24	1.14	63.60	7	1.3	24	86	7	1.4	0.8	247	1.3	4
T 35049	11	0.48	22.60	2	1.0	17	90	2	0.7	0.7	200	-0.5	-2
T 35050	11	0.47	21.80	2	1.0	17	92	2	0.9	0.6	340	-0.5	4
T 35051	30	0.93	52.40	6	1.7	17	60	5	0.7	0.5	370	0.6	2
T 35052	31	0.92	51.40	6	1.8	17	65	6	0.9	0.6	490	0.7	4
T 35053	23	1.57	91.60	5	1.4	13	200	5	0.7	1.1	55	4.0	54
T 35054	23	1.57	86.30	-1	1.3	12	183	-2	0.9	0.4	45	3.6	65
T 35055	28	1.90	117.00	9	1.9	11	80	-2	0.7	1.3	51	3.3	-2
T 35056	27	1.92	112.00	7	1.3	10	69	-2	1.1	0.8	41	2.0	-2
T 35057	28	1.53	81.80	5	1.0	-5	26	-2	1.0	0.9	47	3.1	-2
T 35058	31	1.66	90.50	6	1.5	7	38	-2	1.3	1.0	103	1.9	-2
T 35059	38	1.83	103.00	9	1.2	7	51	-2	0.7	1.5	107	3.4	-2
T 35060	72	2.17	130.00	7	1.6	6	42	11	1.3	1.4	185	8.1	-2
T 35061	28	2.34	140.00	7	2.0	17	148	-2	0.7	1.2	21	-0.5	36
T 35062	28	2.68	156.00	3	2.0	13	88	-2	0.9	1.1	8	-0.5	22
T 35063	40	3.28	175.00	6	2.1	13	46	-2	0.7	0.8	10	-0.5	-2
T 35064	38	1.35	73.10	-1	1.0	6	47	-2	0.7	0.7	181	4.1	-2
T 35065	39	1.41	80.50	5	1.3	5	46	7	0.5	0.4	161	3.3	-2
T 35077						17	155	11			240		
T 35078						21	84	5			680		
T 35079						12	53	7			12		
T 35080						20	84	6			640		
T 35081						22	87	6			380		

Laboratory	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB
Method	GI201	GI201	GI222	GN801	GI222	GI201	GI201	GN801	GI222	GI222	GX401	GN801	GN801
Det. Limi	2.000	0.050	0.050	1.000	0.100	5.000	5.000	2.000	0.100	0.100	3.000	0.500	2.000

PROJECT: WARATAH STREAM SEDIMENT SAMPLING EL 12/90 & EL 15/90

SAMPLE NUMBER	AU PPM	PB PPM	BI PPM	SR PPM	SE PPM	BA PPM	NA %	MG %	AL %	SI %	P PPM	CA %	FE %
T 35036	-0.005	11	0.1	58	-5	172	0.260	0.821	4.60	27.5	443	0.762	5.40
T 35037	-0.005	9	-0.1	57	-5	172	0.290	0.807	4.54	29.9	408	0.753	5.50
T 35038	-0.005	11	0.2	55	-5	164	0.260	0.798	4.50	28.3	451	0.768	5.44
T 35039	-0.005	9	0.1	58	-5	171	0.300	0.808	4.66	30.6	449	0.800	5.46
T 35040	-0.005	13	0.1	76	-5	200	0.270	1.220	6.57	23.3	656	1.020	7.73
T 35041	-0.005	10	0.1	63	-5	190	0.220	1.130	5.71	26.2	539	0.944	6.49
T 35042	-0.005	11	0.2	32	-5	181	0.090	0.278	3.85	34.7	270	0.221	3.87
T 35043	-0.005	9	0.1	70	-5	187	0.270	1.390	6.60	25.7	642	1.200	7.96
T 35044	-0.005	10	0.1	79	-5	180	0.340	1.630	7.45	22.0	692	1.530	9.47
T 35045	-0.005	14	0.2	64	-5	201	0.230	0.766	5.83	28.4	433	0.741	5.62
T 35046	-0.005	12	-0.1	38	-5	149	0.190	0.377	4.03	34.3	253	0.267	4.14
T 35047	-0.005	15	0.2	39	-5	166	0.120	0.358	4.11	33.7	214	0.169	4.23
T 35048	-0.005	15	0.2	40	-5	173	0.130	0.384	4.20	33.3	277	0.174	4.30
T 35049	-0.005	10	-0.1	42	-5	190	0.150	0.600	4.96	30.0	421	0.564	5.23
T 35050	-0.005	11	0.2	40	-5	180	0.150	0.595	4.81	29.8	404	0.553	5.12
T 35051	-0.005	10	0.2	35	-5	158	0.160	0.294	3.85	35.2	198	0.147	3.40
T 35052	-0.005	10	0.2	35	-5	157	0.140	0.302	3.73	34.3	268	0.170	3.54
T 35053	-0.005	41	0.3	14	-5	124	0.330	1.230	3.33	33.6	1740	0.413	2.98
T 35054	0.061	35	0.3	14	-5	118	0.360	1.210	3.04	33.0	1850	0.406	2.58
T 35055	-0.005	29	0.5	14	-5	108	0.420	1.110	3.36	33.2	1870	0.361	1.99
T 35056	-0.005	26	0.2	14	-5	106	0.420	1.130	3.32	32.5	1520	0.364	1.98
T 35057	-0.005	17	0.4	10	-5	102	0.190	0.093	1.90	31.8	666	0.155	0.52
T 35058	-0.005	29	0.6	11	-5	101	0.220	0.050	2.40	39.1	1940	0.089	0.72
T 35059	0.050	32	0.9	11	-5	112	0.220	0.059	2.71	38.1	1750	0.084	1.00
T 35060	-0.005	36	2.9	12	-5	138	0.200	0.058	3.43	37.1	845	0.061	1.24
T 35061	-0.005	36	0.3	19	-5	127	0.700	2.060	4.72	30.0	3340	0.609	3.35
T 35062	-0.005	31	0.2	16	-5	125	0.680	1.540	4.71	31.7	2800	0.482	2.79
T 35063	-0.005	49	0.2	21	-5	185	0.580	0.057	4.63	31.2	4680	0.147	1.15
T 35064	-0.005	25	1.4	8	-5	83	0.100	0.065	1.90	39.0	1240	0.072	1.52
T 35065	-0.005	25	1.5	8	-5	90	0.110	0.074	1.95	36.8	1040	0.072	1.16
T 35077		25											
T 35078		-5											
T 35079		-5											
T 35080		-5											
T 35081		-5											

Laboratory	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB
Method	GN801	GI222	GI222	GI201	GN801	GI201	GI201	GI201	GI202	GI202	GI202	GI201	GI202
Det. Limi	0.005	1.000	0.100	1.000	5.000	5.000	0.005	0.005	0.020	0.100		0.005	0.020

PROJECT: WARATAH STREAM SEDIMENT SAMPLING EL 12/90 & EL 15/90

SAMPLE NUMBER	LA PPM	CE PPM	SM PPM	EU PPM	YB PPM	LU PPM	HF PPM	TA PPM	IR PPM	TL PPM	TH PPM	U PPM	IN PPM
T 35036	30.8	59	5.8	1.0	3.2	0.4	14	2	-0.02	-0.5	11.9	-2	0.10
T 35037	32.8	63	6.2	0.8	3.3	0.4	13	-1	-0.02	0.9	13.2	-2	-0.05
T 35038	46.6	90	8.6	0.7	4.2	0.6	21	2	-0.02	0.6	19.6	2	0.10
T 35039	27.6	55	5.3	0.6	2.8	0.4	12	2	-0.02	-0.5	10.5	-2	0.10
T 35040	21.5	40	4.6	0.9	2.3	0.3	9	1	-0.02	-0.5	7.2	-2	0.11
T 35041	34.1	66	6.9	0.7	3.4	0.5	14	1	-0.02	-0.5	14.7	-2	0.12
T 35042	45.3	93	9.3	0.7	6.2	0.9	19	1	-0.02	-0.5	20.8	-2	0.07
T 35043	29.3	56	5.8	-0.5	2.8	0.4	13	2	-0.02	-0.5	12.4	-2	0.10
T 35044	29.0	54	5.8	0.8	2.8	0.4	12	-1	-0.02	-0.5	12.7	-2	0.11
T 35045	26.6	50	4.9	0.7	2.2	0.3	11	1	-0.02	-0.5	8.9	-2	0.11
T 35046	20.4	40	3.7	0.6	2.4	0.3	10	2	-0.02	0.9	6.4	-2	-0.05
T 35047	22.6	44	3.9	0.8	2.4	0.4	10	1	-0.02	0.7	6.5	-2	0.11
T 35048	22.4	44	4.0	0.8	2.4	0.4	9	1	-0.02	-0.5	6.2	-2	0.10
T 35049	27.7	51	4.7	0.6	2.1	0.3	16	1	-0.02	-0.5	11.2	-2	0.11
T 35050	31.7	58	5.2	0.7	2.2	0.3	18	1	-0.02	-0.5	13.3	-2	0.10
T 35051	24.5	47	4.4	0.7	2.8	0.4	11	1	-0.02	-0.5	7.0	-2	0.08
T 35052	23.3	44	4.2	0.8	2.5	0.4	9	2	-0.02	-0.5	6.2	-2	0.09
T 35053	1270.0	2490	281.0	-0.5	157.0	24.6	41	-1	-0.02	-0.5	689.0	38	0.09
T 35054	1690.0	3250	367.0	-0.5	179.0	28.5	64	-1	-0.02	-0.5	906.0	47	0.07
T 35055	1650.0	3160	356.0	-0.5	184.0	29.4	71	5	-0.02	0.6	885.0	58	0.12
T 35056	1420.0	2740	305.0	-0.5	160.0	25.3	66	-1	-0.02	1.1	757.0	45	-0.05
T 35057	641.0	1230	128.0	-0.5	68.0	10.4	57	-1	-0.02	0.8	331.0	17	0.06
T 35058	2130.0	4050	437.0	-0.5	190.0	30.5	116	-1	-0.02	0.6	1090.0	43	0.08
T 35059	2070.0	3940	421.0	-0.5	189.0	30.6	119	-1	-0.02	0.6	1060.0	64	0.14
T 35060	955.0	1730	172.0	-0.5	72.3	11.5	79	-1	-0.02	0.8	458.0	31	0.15
T 35061	2680.0	3960	467.0	-0.5	262.0	43.7	60	-1	-0.02	0.7	1240.0	94	0.08
T 35062	2010.0	3020	348.0	-0.5	206.0	33.2	53	-1	-0.02	0.8	930.0	62	0.05
T 35063	3580.0	5090	582.0	-0.5	266.0	46.2	126	-1	-0.02	0.9	1570.0	80	-0.05
T 35064	1420.0	2560	263.0	-0.5	113.0	17.7	88	-1	-0.02	-0.5	696.0	44	0.18
T 35065	1050.0	1920	194.0	-0.5	84.8	13.0	78	5	-0.02	-0.5	514.0	31	0.20
Laboratory	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB
Method	GN801	GN801	GN801	GN801	GN801	GN801	GN801	GN801	GN801	GI222	GN801	GN801	GI222
Det. Limi	0.500	0.000	0.200	0.500	0.500	0.200	1.000	1.000	0.020	0.500	0.500	2.000	0.050

PROJECT: WARATAH STREAM SEDIMENT SAMPLING EL 12/90 & EL 15/90

SAMPLE NUMBER	NB PPM	ZR PPM	Y PPM	BR PPM	GA PPM	NI PPM	CO PPM	SC PPM	TI PPM	V PPM	CR PPM	MN PPM	CD PPM
T 35036	-20	581	26	29	12.7	86	26	13.1	13400	149	604	630	0.1
T 35037	-20	695	33	15	11.1	67	28	13.0	11300	150	820	807	-0.1
T 35038	-20	591	39	30	11.8	76	27	13.2	13800	156	1110	662	-0.1
T 35039	-20	-500	25	17	11.6	67	27	12.8	12100	149	609	691	-0.1
T 35040	-20	-500	21	44	16.1	122	43	15.7	15800	183	450	1060	-0.1
T 35041	-20	-500	22	23	13.9	98	36	14.2	12400	155	822	811	-0.1
T 35042	-20	799	49	21	8.7	43	20	8.5	11000	111	526	510	-0.1
T 35043	-20	-500	30	25	14.8	107	40	16.4	16300	196	758	883	0.1
T 35044	21	-500	23	31	17.1	125	50	19.6	21900	243	697	1100	-0.1
T 35045	-20	-500	19	23	14.7	68	32	14.1	9790	148	948	805	0.1
T 35046	-20	-500	19	13	10.1	50	19	10.0	11300	120	480	405	0.2
T 35047	-20	-500	16	18	10.4	35	22	10.3	7770	113	514	522	0.2
T 35048	-20	-500	19	21	10.3	43	24	10.7	7830	111	525	545	0.1
T 35049	-20	538	15	30	11.9	72	27	12.6	11700	139	437	709	-0.1
T 35050	-20	714	14	30	11.6	76	26	12.4	11500	136	502	715	0.1
T 35051	-20	566	18	14	9.4	27	15	9.2	7470	95	300	457	0.1
T 35052	-20	-500	17	17	9.2	32	16	9.1	6190	92	352	478	-0.1
T 35053	28	2110	1450	33	14.3	60	36	9.4	4520	69	10300	1010	-0.1
T 35054	28	2610	1450	21	14.3	63	36	10.2	4230	66	9930	680	-0.1
T 35055	29	2290	1470	21	15.5	49	20	10.0	3630	41	2980	492	-0.1
T 35056	24	2550	1270	17	13.6	53	17	9.7	3340	40	2640	469	-0.1
T 35057	-20	1870	540	17	7.8	3	-1	3.7	2460	12	332	166	-0.1
T 35058	30	4890	1440	19	13.7	8	-1	5.8	3950	12	449	255	-0.1
T 35059	31	4540	1400	29	14.4	-2	9	6.6	4190	14	272	321	-0.1
T 35060	22	3310	576	23	11.8	7	-1	5.4	3390	20	134	303	0.2
T 35061	46	2800	2720	36	21.2	83	37	13.3	4700	75	5920	692	-0.1
T 35062	40	2060	2300	22	19.4	67	22	11.2	4330	58	2840	595	-0.1
T 35063	65	4640	3150	20	27.8	-2	13	7.9	6530	19	203	464	-0.1
T 35064	25	2290	839	12	10.8	10	-1	4.9	3520	13	207	221	-0.1
T 35065	25	2230	692	15	10.2	3	-1	4.3	3120	15	112	191	0.2

Laboratory	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB
Method	GI202	GN801	GI202	GN801	GI222	GI222	GN801	GN801	GI202	GI202	GN801	GI202	GI222
Det. limi	0.000		5.000	2.000	0.500	2.000	1.000	0.100	0.000	5.000	5.000	0.000	0.100

PROJECT: WARATAH STREAM SEDIMENT SAMPLING EL 12/90 & EL 15/90

SAMPLE NUMBER	LI PPM	K %	RB PPM	CS PPM	BE PPM	CU PPM	ZN PPM	AS PPM	MO PPM	AG PPM	SN PPM	SB PPM	W PPM
T 35082						26	100	7			590		
T 35083						46	160	11			120		
T 35084						14	59	6			140		

Laboratory	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB
Method	GI201	GI201	GI222	GN801	GI222	GI201	GI201	GN801	GI222	GI222	GX401	GN801	GN801
Det. Limi	2.000	0.050	0.050	1.000	0.100	5.000	5.000	2.000	0.100	0.100	3.000	0.500	2.000

PROJECT: WARATAH STREAM SEDIMENT SAMPLING EL 12/90 & EL 15/90

SAMPLE NUMBER	AU PPM	PB PPM	BI PPM	SB PPM	SE PPM	BA PPM	NA %	MG %	AL %	SI %	P PPM	CA %	FE %
T 35082		-5											
T 35083		7											
T 35084		-5											

Laboratory	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB
Method	GN801	GI222	GI222	GI201	GN801	GI201	GI201	GI201	GI202	GI202	GI202	GI201	GI202
Det. Limi	0.005	1.000	0.100	1.000	5.000	5.000	0.005	0.005	0.020	0.100		0.005	0.020

APPENDIX 2

Rock Chip Geochemistry

RGC EXPLORATION PTY.LTD. DATA SHEET

PROJECT: Waratah rock chip geochemistry.Meredith Granite surrounds.

SAMPLE NUMBER	TNORTH metres	TEAST metres	AS PPM	CU PPM	PB PPM	SN PPM	W PPM	ZN PPM	AG PPM
t 35066	402580	362975	94	13	21	250	50	96	
t 35067	402560	362980	800	139	70	1000	25	209	
t 35068	402540	362985	100	37	137	270	85	218	
t 35069	402525	362995	87	34	69	280	200	168	
t 35070	402515	363000	96	51	6	240	-20	234	
t 35071	402510	363030	13	68	1325	500	630	156	
t 35072	402520	363060	13	8	36	200	420	74	
t 35073	402550	363060	67	25	323	290	160	166	
t 35074	402570	363060	1100	80	703	180	75	447	
t 35075	402580	363060	1500	49	326	120	-20	121	
t 35076	402680	363020	400	51	78	130	-20	204	

Laboratory:	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB
Method :	GA114	GA101	GA101	GX401	GX401	GA101	GA101
Det. Limit:	1.000	5.000	5.000	3.000	1.000	5.000	0.500

APPENDIX 3

Whyte River Grid ground Magnetic survey, Highland Exploration

079040

Highland Exploration
23 Irby Boulevarde
SISTERS BEACH. TAS 7321

Ph. (004) 451480

28th May 1991

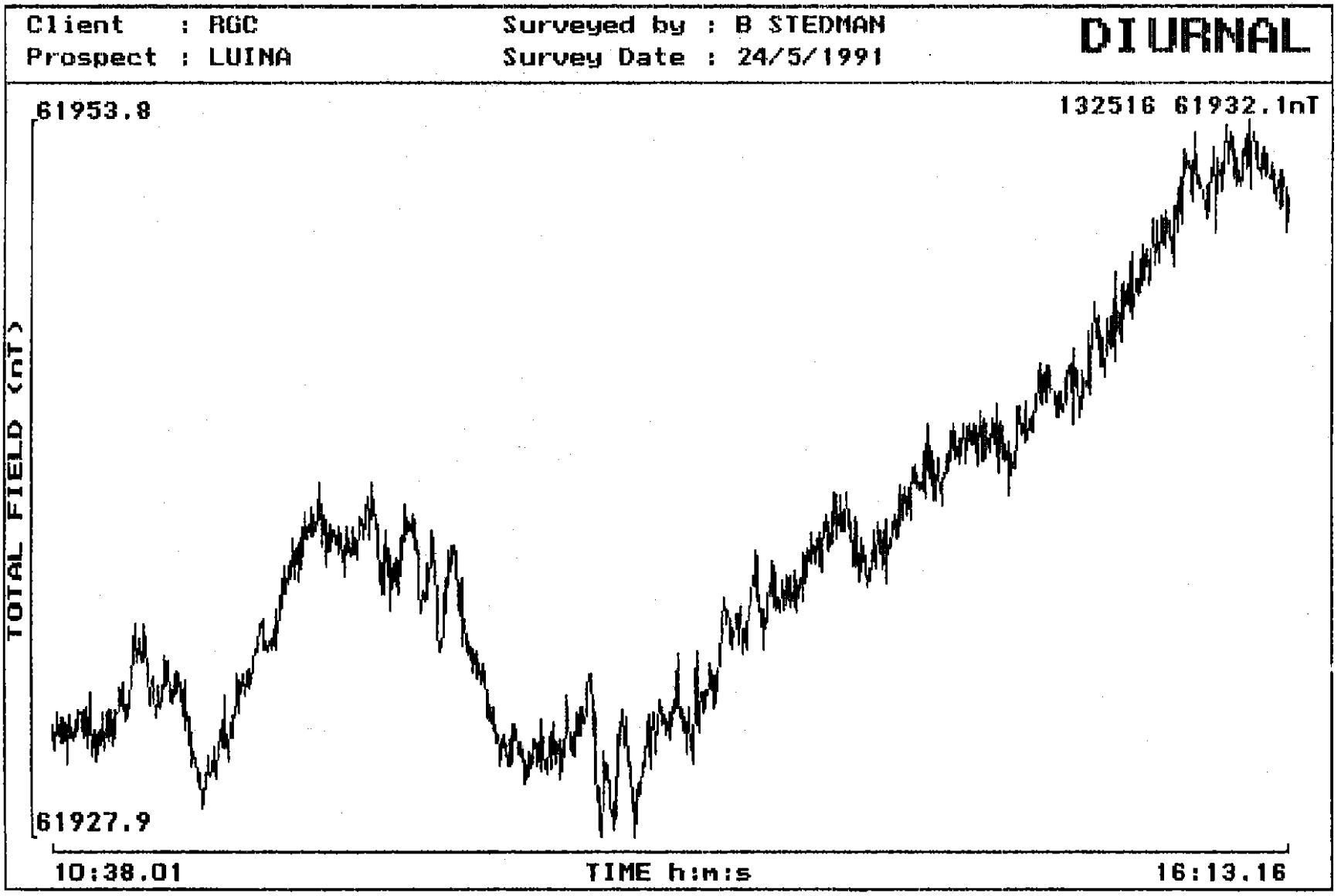
Mr. S. Halley
RGC Exploration P/L
PO BOX 320
ROSNY PARK 7018

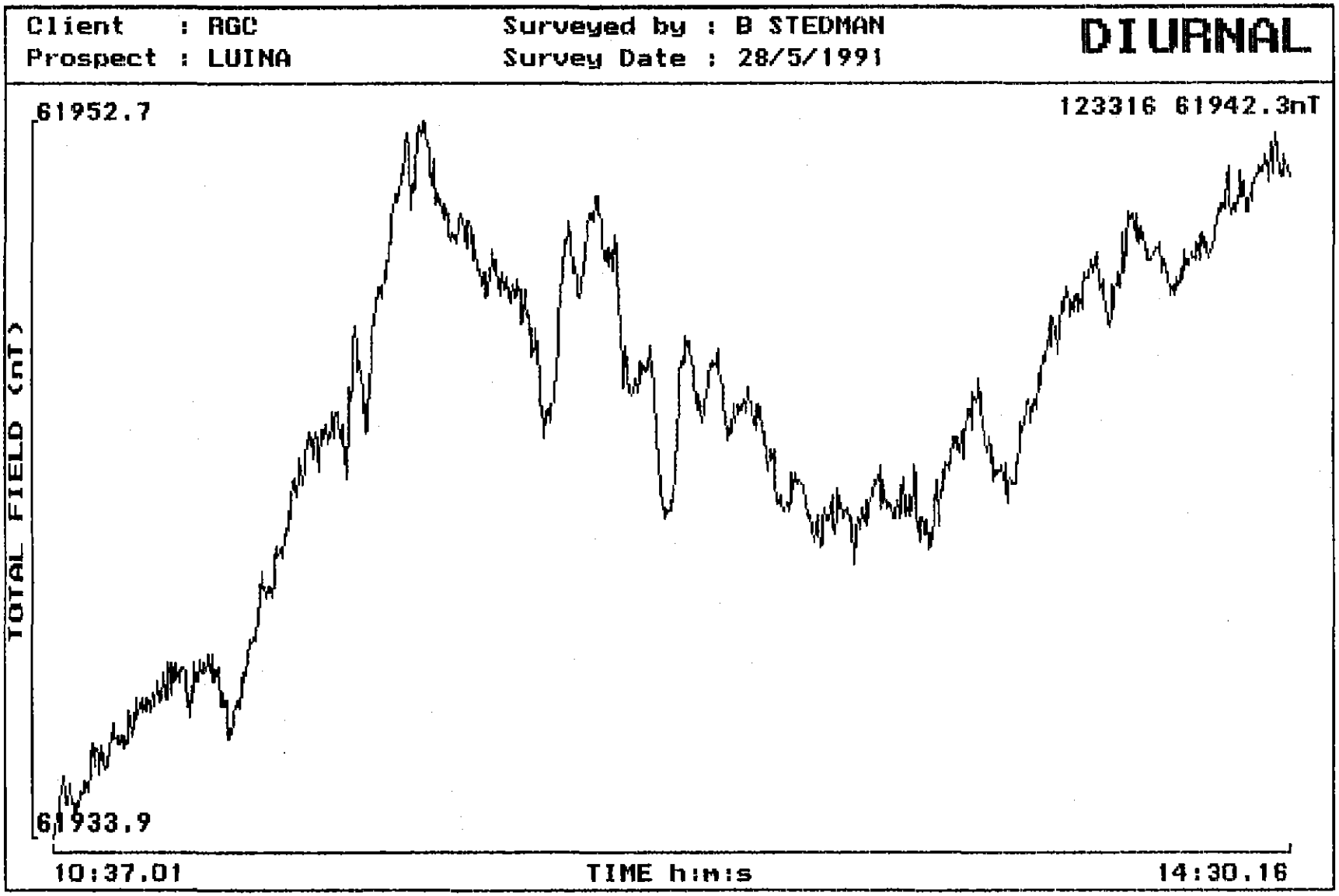
Dear Scott,

Just a few notes regarding the Luina grid. All the lines apart from 2600N were fairly quiet and predictable to survey. Line 2600N required a lot of repeat readings because of the very high magnetic gradient, however all readings repeated well (+/-3nT for the more extreme readings). The anomaly on line 2600N is also apparent on the lines 100m either side, but they are no where near as great. Line 2600N deviates to the NE (not noticeably) and where it ends, 45m short, it is no more than 55m south of line 2700N.

Yours sincerely,

Brendan J. Stedman.
Highland Exploration.

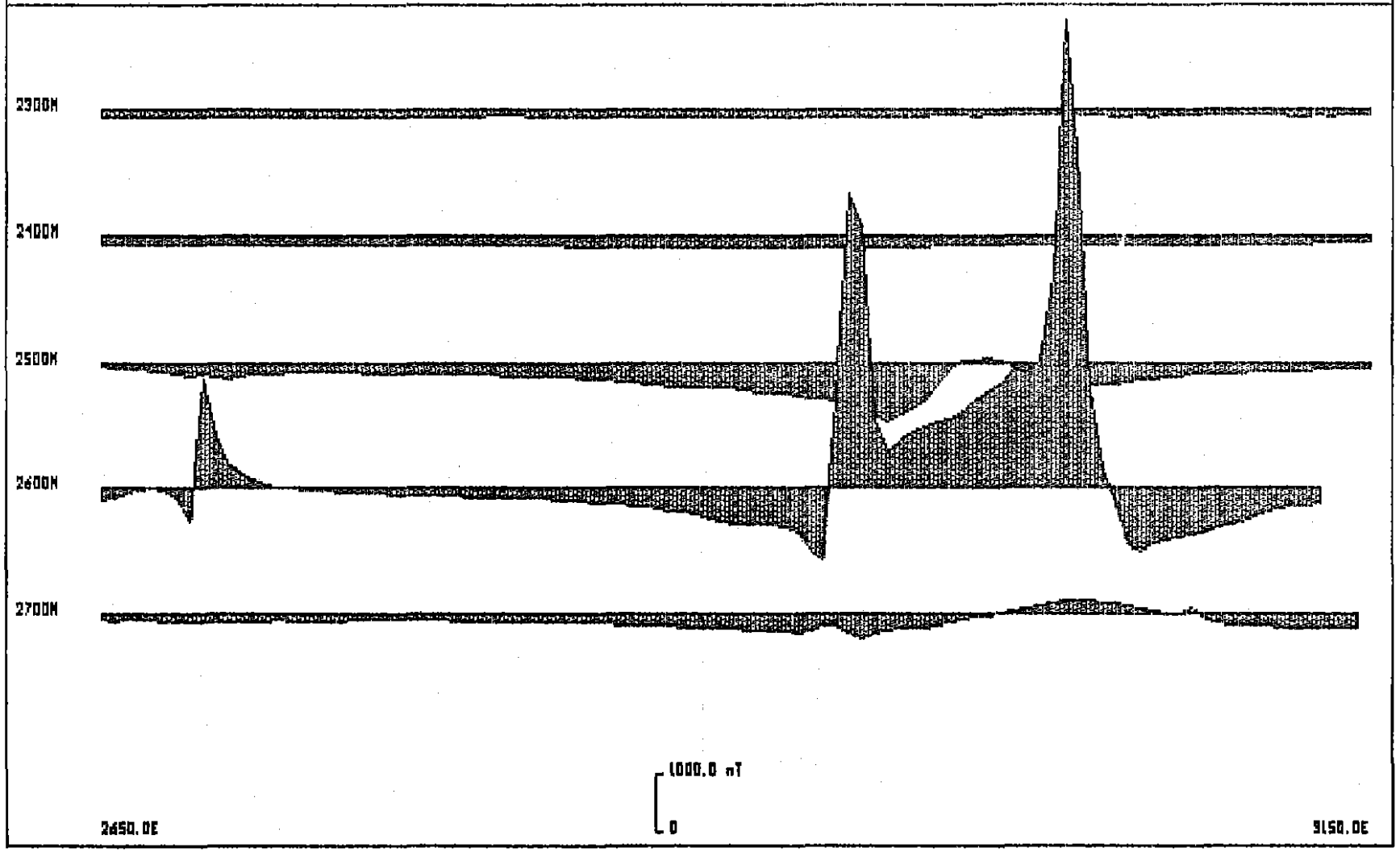

Client : RGC
Prospect : LUINA
Surveyed by : B STEDMAN
Survey Date : 24/5/1991
DIURNAL
61953.8
132516 61932.1nT
TOTAL FIELD (nT)
61927.9
10:38.01
TIME h:m:s
16:13.16


Client : RGC
Prospect : LUINA
Surveyed by : B STEDMAN
Survey Date : 28/5/1991
DIURNAL
61952.7
123316 61942.3nT
TOTAL FIELD (nT)
61933.9
10:37.01
TIME h:m:s
14:30.16

Client : RGC
Prospect : LUINA

Surveyed by : B STEDMAN
Survey Date : 25/5/91

STACKED



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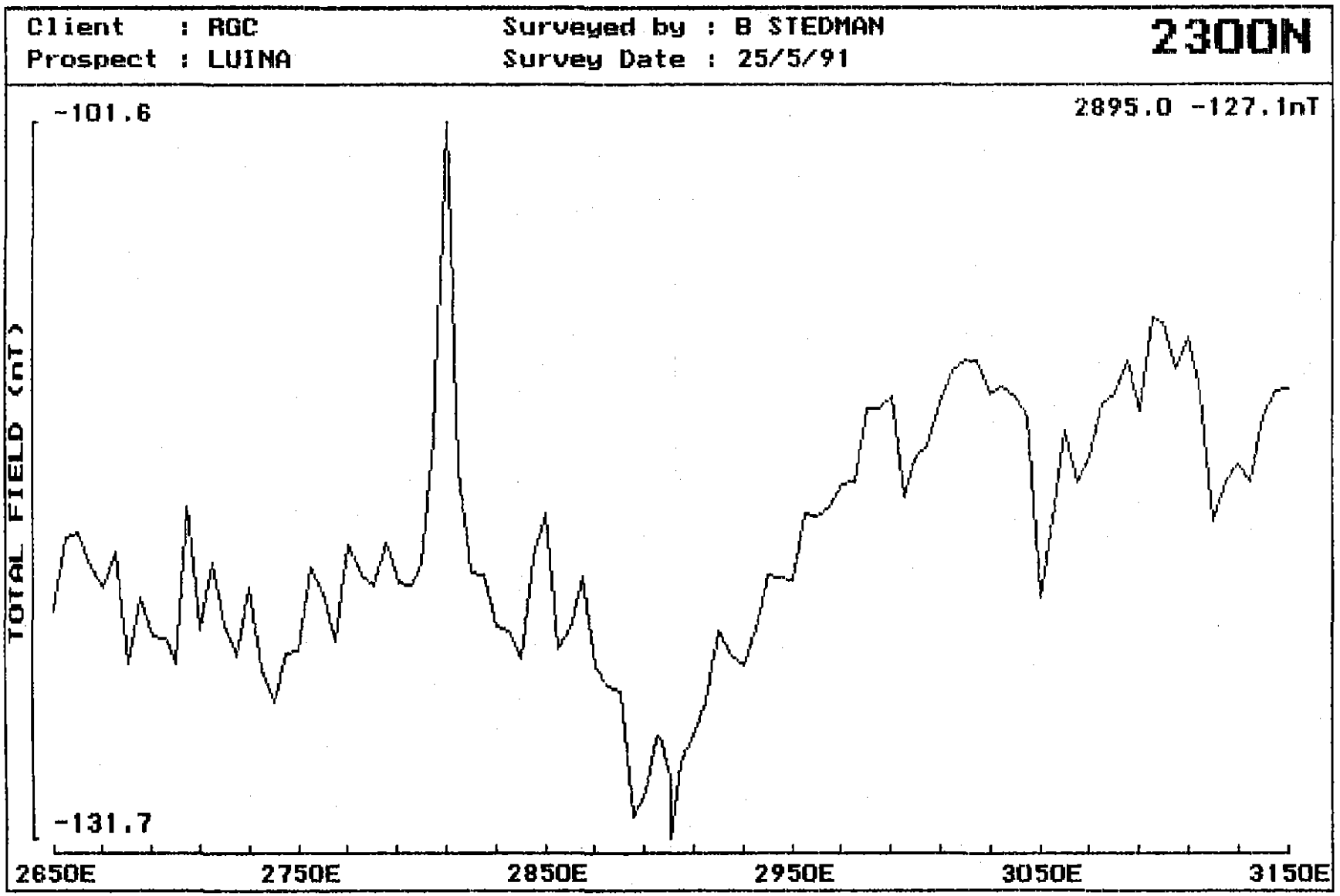
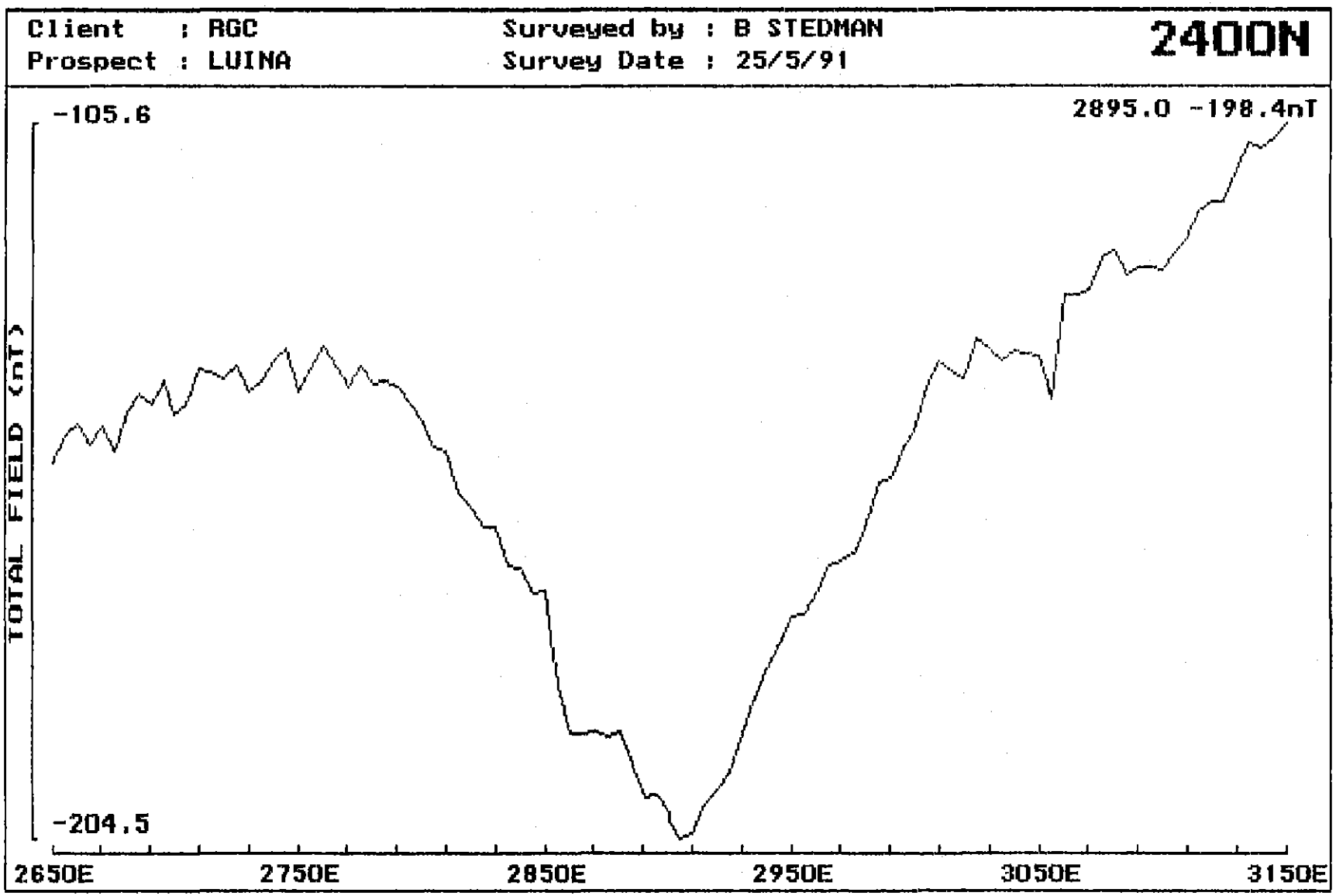
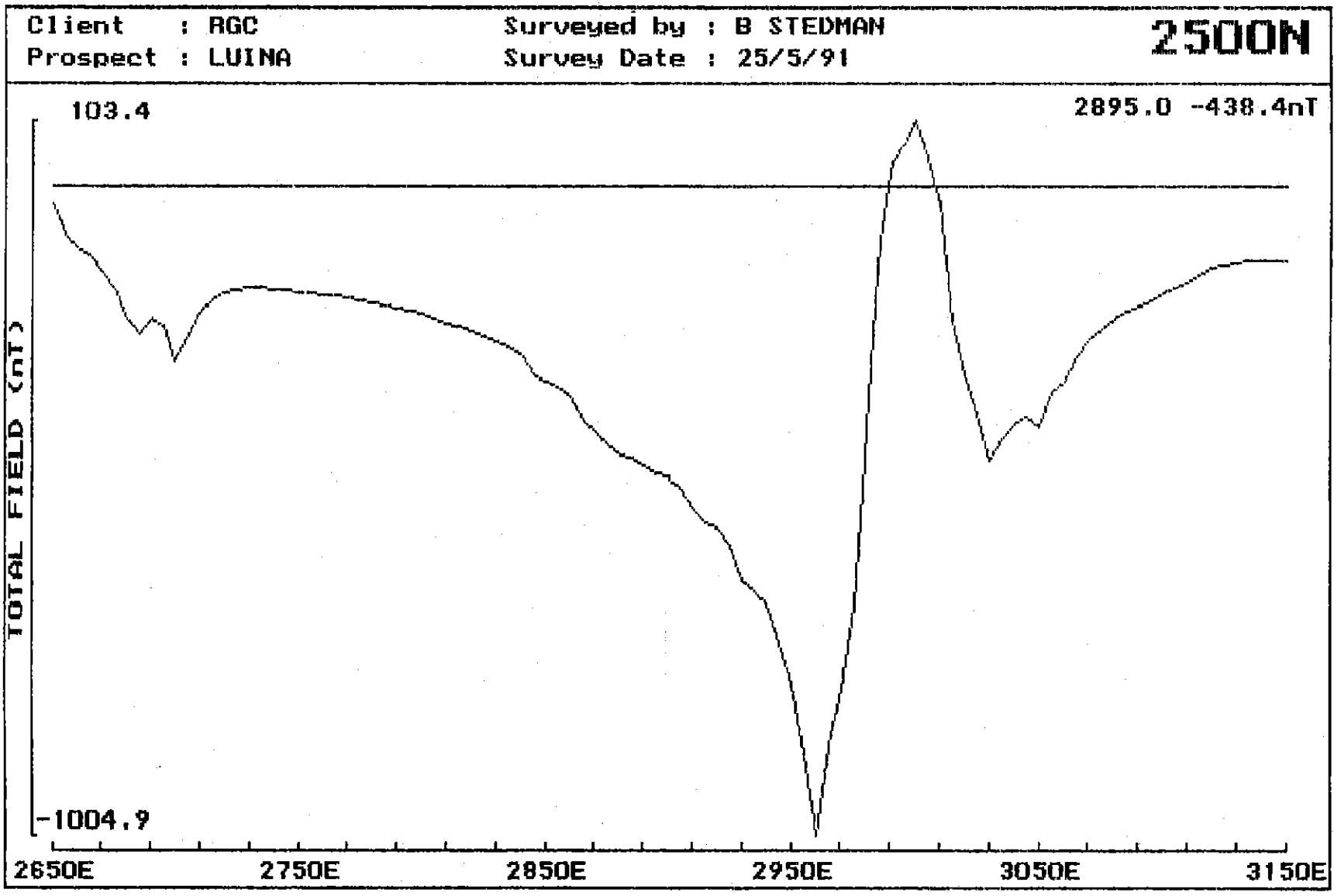
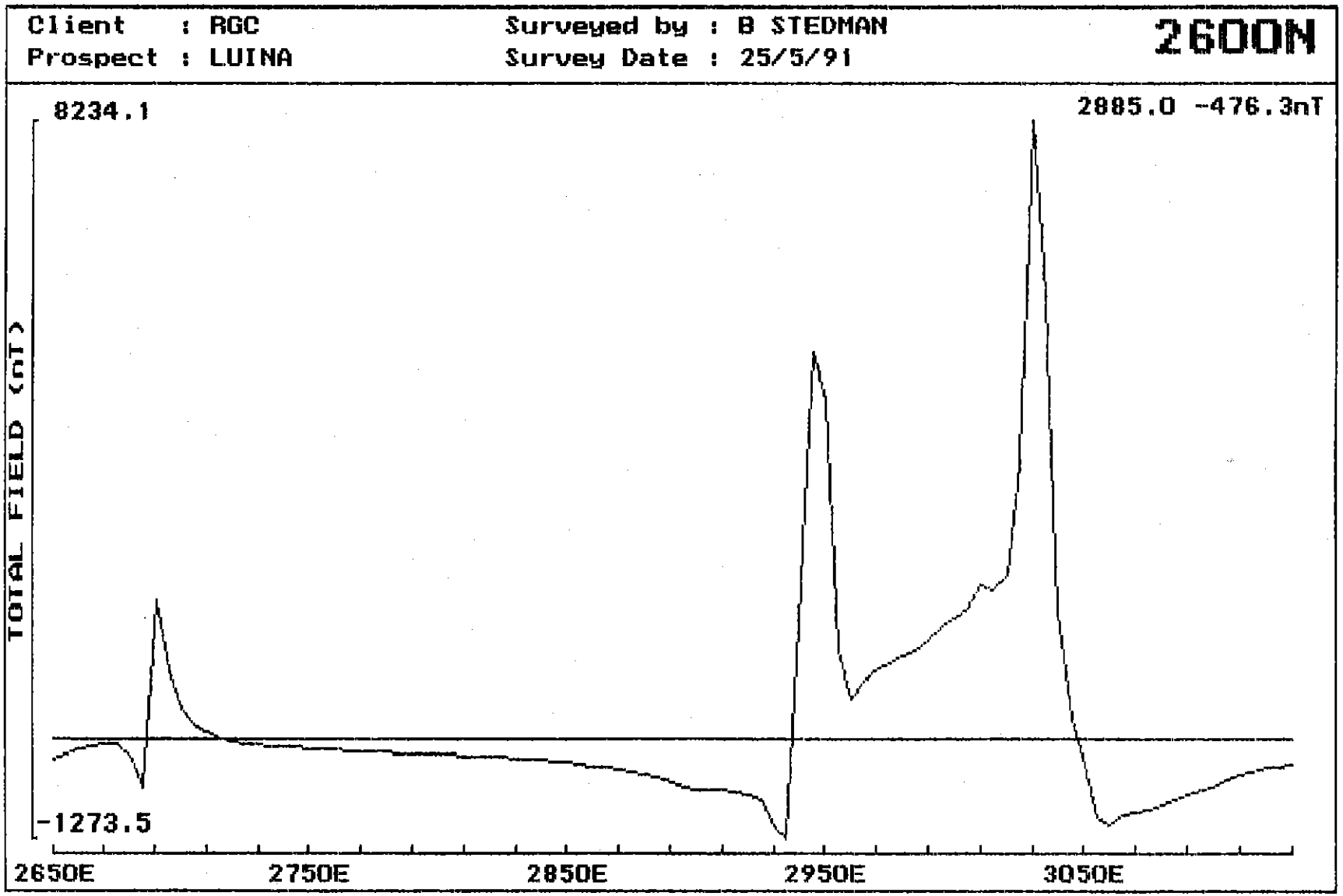
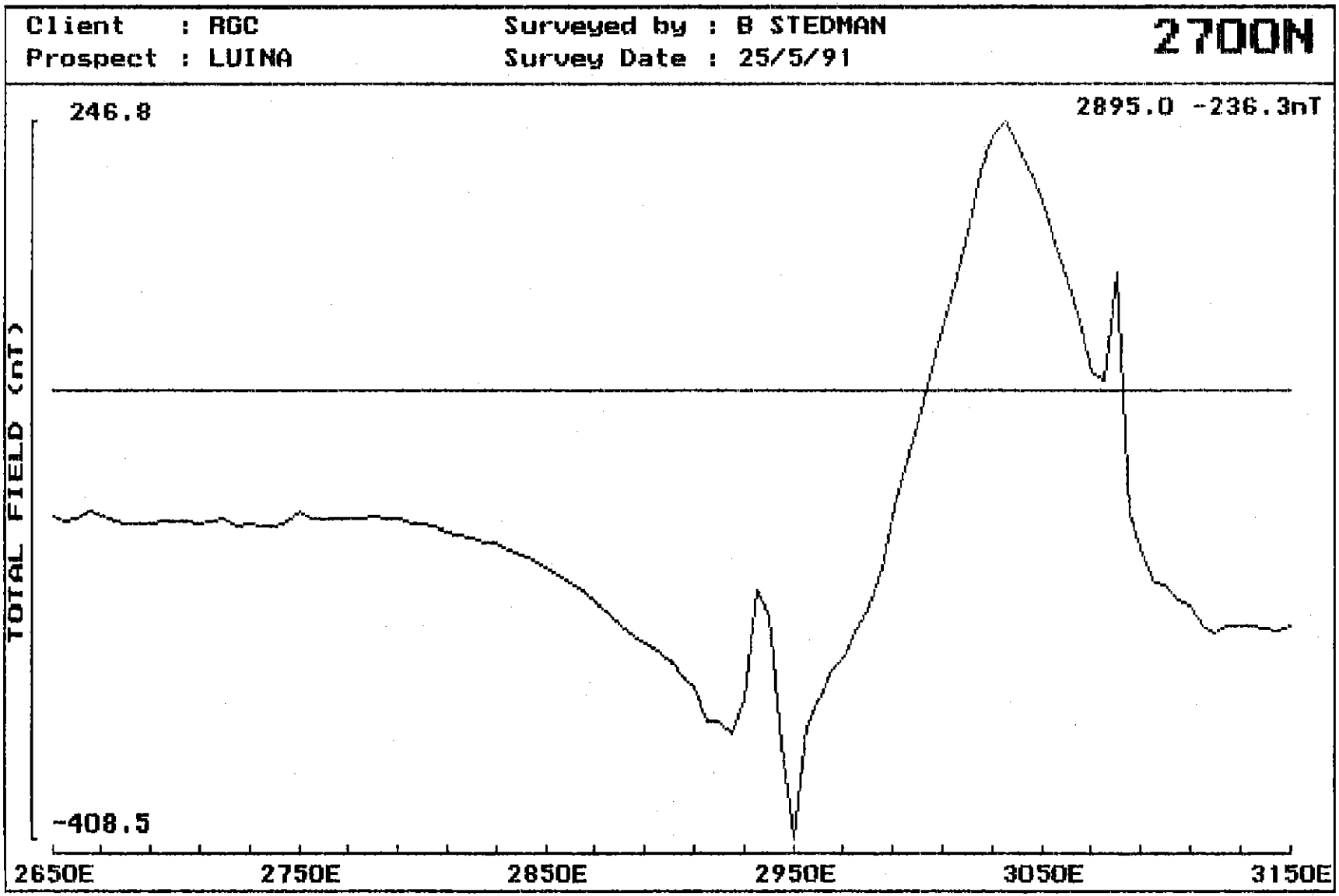

Client : RGC
Prospect : LUINA
Surveyed by : B STEDMAN
Survey Date : 25/5/91
2300N
-101.6
2895.0 -127.1nT
TOTAL FIELD (nT)
-131.7
2650E
2750E
2850E
2950E
3050E
3150E


Client : RGC
Prospect : LUINA
Surveyed by : B STEDMAN
Survey Date : 25/5/91
2400N
-105.6
2895.0 -198.4nT
TOTAL FIELD (nT)
-204.5
2650E
2750E
2850E
2950E
3050E
3150E


Client : RGC
Prospect : LUINA
Surveyed by : B STEDMAN
Survey Date : 25/5/91
2500N
103.4
2895.0 -438.4nT
TOTAL FIELD (nT)
-1004.9
2650E
2750E
2850E
2950E
3050E
3150E


Client : RGC
Prospect : LUINA
Surveyed by : B STEDMAN
Survey Date : 25/5/91
2600N
8234.1
2885.0 -476.3nT
TOTAL FIELD (nT)
-1273.5
2650E
2750E
2850E
2950E
3050E

079048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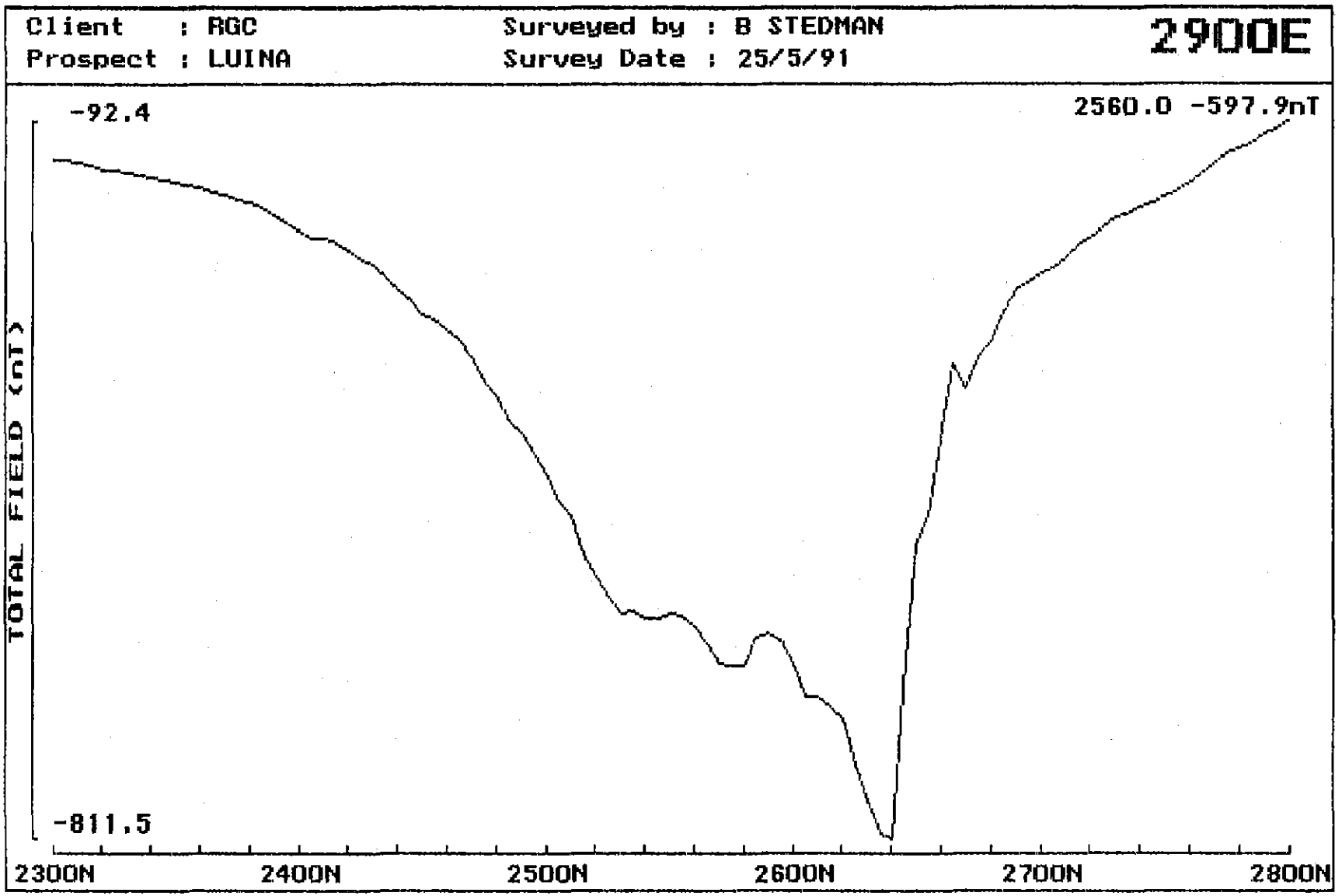
Prospect : LUINA
Surveyed by : B STEDMAN
Survey Date : 25/5/91
2700N
246.8
2895.0 -236.3nT
TOTAL FIELD (nT)
-408.5
2650E
2750E
2850E
2950E
3050E
3150E

079049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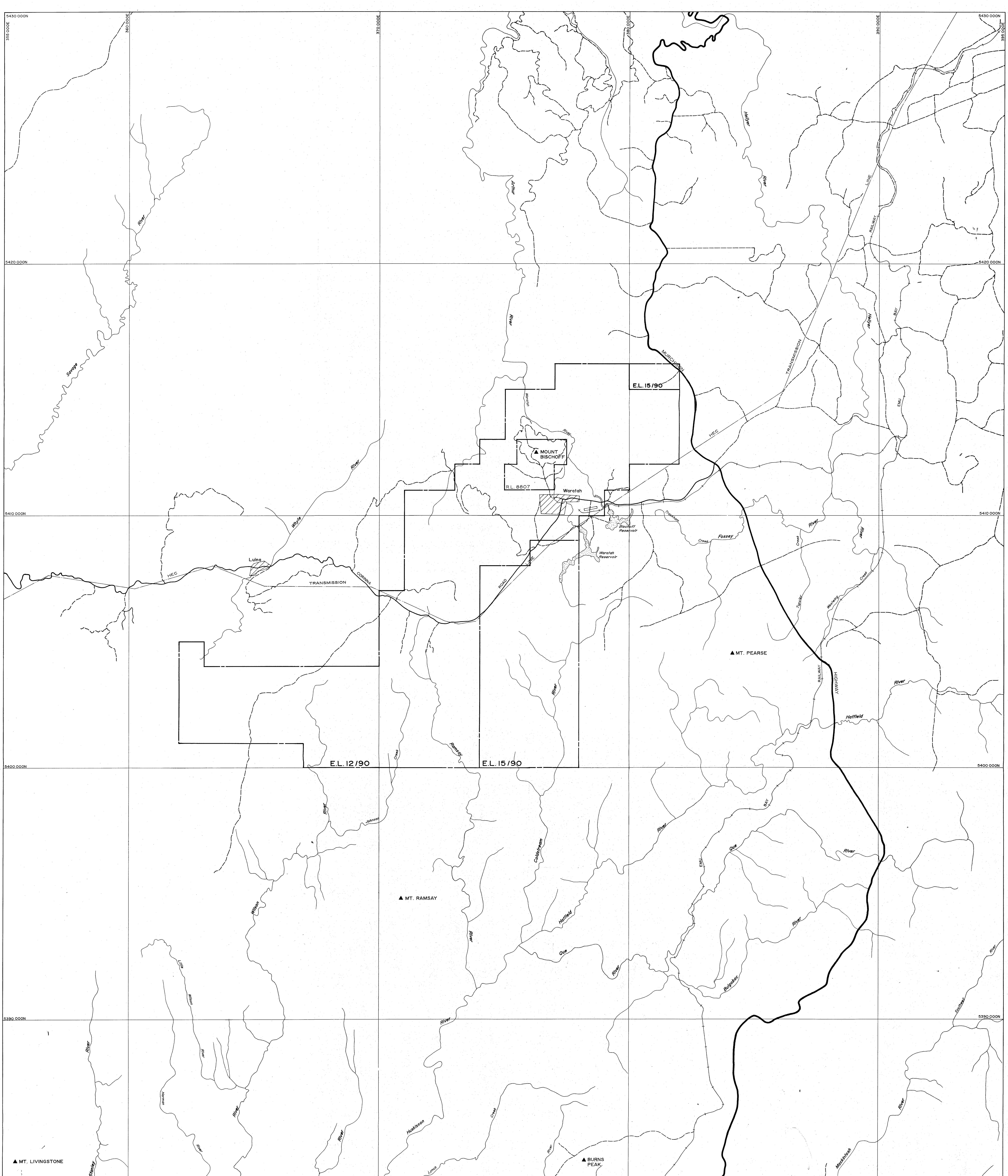
Prospect : LUINA
Surveyed by : B STEDMAN
Survey Date : 25/5/91
2900E
-92.4
2560.0 -597.9nT
TOTAL FIELD (nT)
-811.5
2300N
2400N
2500N
2600N
2700N
2800N



5 cm

92-3363.

079050

RGC EXPLORATION PTY. LIMITED
Incorporated in New South Wales

COMPILED:		E.L. 12/90 & E.L. 15/90
DRAWN:	M. WALTER	
DATE:	JUNE 1990	WARATAH TENEMENTS
CHECKED:		
1:250 000 REFERENCE:		

BASE PLAN NO. 5530/004
OVERLAY PLAN NO.
SCALE 1:50 000 — 0 1 2 3 4km
PLAN 1

378500 379000 379500 380000 380500 381000 381500

416500 416000 415500 415000 414500 414000 413500 413000 412500

DGC 1
DGC 2
DGC 3
DGC 4
DGC 5

DEEP SPUR ROAD

DEEP GULLY CREEK ROAD

DEEP GULLY CREEK

35034 35035 35036 35037 35038

35033 35032 35050 35049 35031 35051 35052 35079 35078 35080 35081 35082 35083 35084

35030 35046 35047 35045 35028 35040 35041 35042 35043 35044

5 cm

92-3363.

079051

RGC EXPLORATION PTY.LTD

DEEP GULLY CREEK
STREAM SEDIMENT GEOCHEMISTRY

GEOLOGY BY: S.HALLEY COMPILED BY: S.TRACEY

SCALE 1: 5000

0 100 200 300 400 500 M

DATE: 15/ 6/92	5530/040	PLAN 2

KEY:

RENISON GOLD FIELDS CONSOLIDATED

404 500mN
362 000mE
362 500mE
363 000mE
363 500mE
364 000mE
404 000mN
403 500mN
403 000mN
402 500mN
402 000mN

TRACK

MANKING

BASELINE

2300E

2700N
2650N
2600N
2550N
2500N
2450N
2400N
2350N
2300N
2850N

Sa
Sc
Dg
Qa/Og

LEGEND

Quaternary	Qg	ALLUVIUM
Devonian	Dg	MEREDITH GRANITE
		MAGNETITE–HEMATITE SKARN
Silurian	Sa	AMBER SHALE
	Sc	CROTTY SANDSTONE
Ordovician	Og	GORDON LIMESTONE

92-3363.

5 cm

RGC EXPLORATION PTY.LTD. 079052

COMPILED	S.HALLEY
DRAWN	M.WALTER
DATE	JULY 1991
CHECKED	
1:25000 REF.	

WARATAH AREA E.L. 12/90 & 15/90

WHYTE RIVER PROSPECT

GEOLOGICAL INTERPRETATION

DRAWING ID. 5530/034

0 25 50 100 200 300m

SCALE 1:2500

PLAN 3

362500

363000

363500

404000

403500

403000

402500

35053

35054

35058

35061

35062

35057

35056

35059

35055

35060

35063

92-3363.

RGC EXPLORATION PTY.LTD

WHYTE RIVER PROSPECT

STREAM SEDIMENT GEOCHEMISTRY

GEOLOGY BY: S.HALLEY COMPILED BY: S.TRACEY

SCALE 1: 2500

0 50 100 150 200 250 M

DATE: 15/ 6/92	5530/041	PLAN 4

KEY:

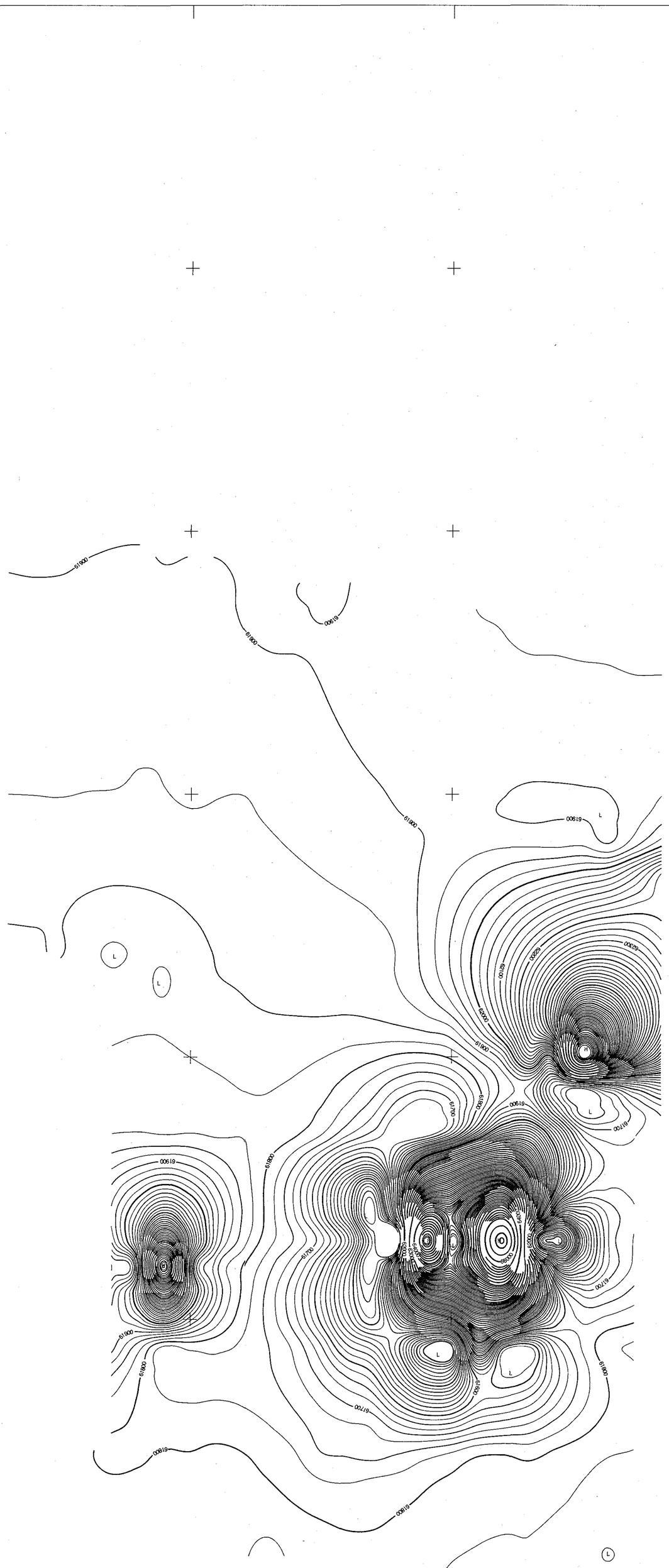
RENISON GOLD FIELDS CONSOLIDATED

5 cm

079053

362500E 362750E 363000E 363250E 363500E

5403750N 5403500N 5403250N 5403000N 5402750N 5402500N 5402250N 5402000N



SURVEY SPECIFICATIONS

GRID	: RGC DATA
LINE NUMBERS	: 2300 - 2900
RECORDING INTERVAL	: 5.0 METERS
LINE SPACING	: 100 METERS
LINE DIRECTION	: 90 DEGREES
GRID	: ABERFOYLE DATA
LINE NUMBERS	: 9200 - 10000
RECORDING INTERVAL	: 12.5 METERS
LINE SPACING	: 200 METERS
LINE DIRECTION	: 100 DEGREES

MAGNETIC CONTOURS

Diurnal variations removed and base value of 61940 nT added (RGC data only)

Data has been filtered with a band-pass filter to minimize high frequency effects

Filter parameters : 21 points
0.0 - 0.01 cutoff

Note: Unfiltered data has been contoured

GRID MESH SIZE : 25m X 25m

LEGEND

Contour Int. 25 nT

200 nT Contour
100 nT Contour
25 nT Contour

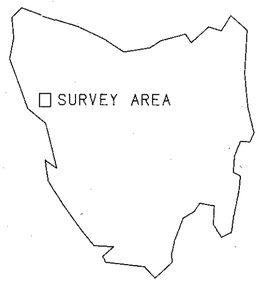
N

0 100 200m

Scale 1:2500

AMG Zone 55 - Central Meridian 147 deg.

SURVEY LOCATION



5 cm

92-3363.

079054

PROCESSING BY TESLA-IO PTY. LTD.
JOB No. TA1832

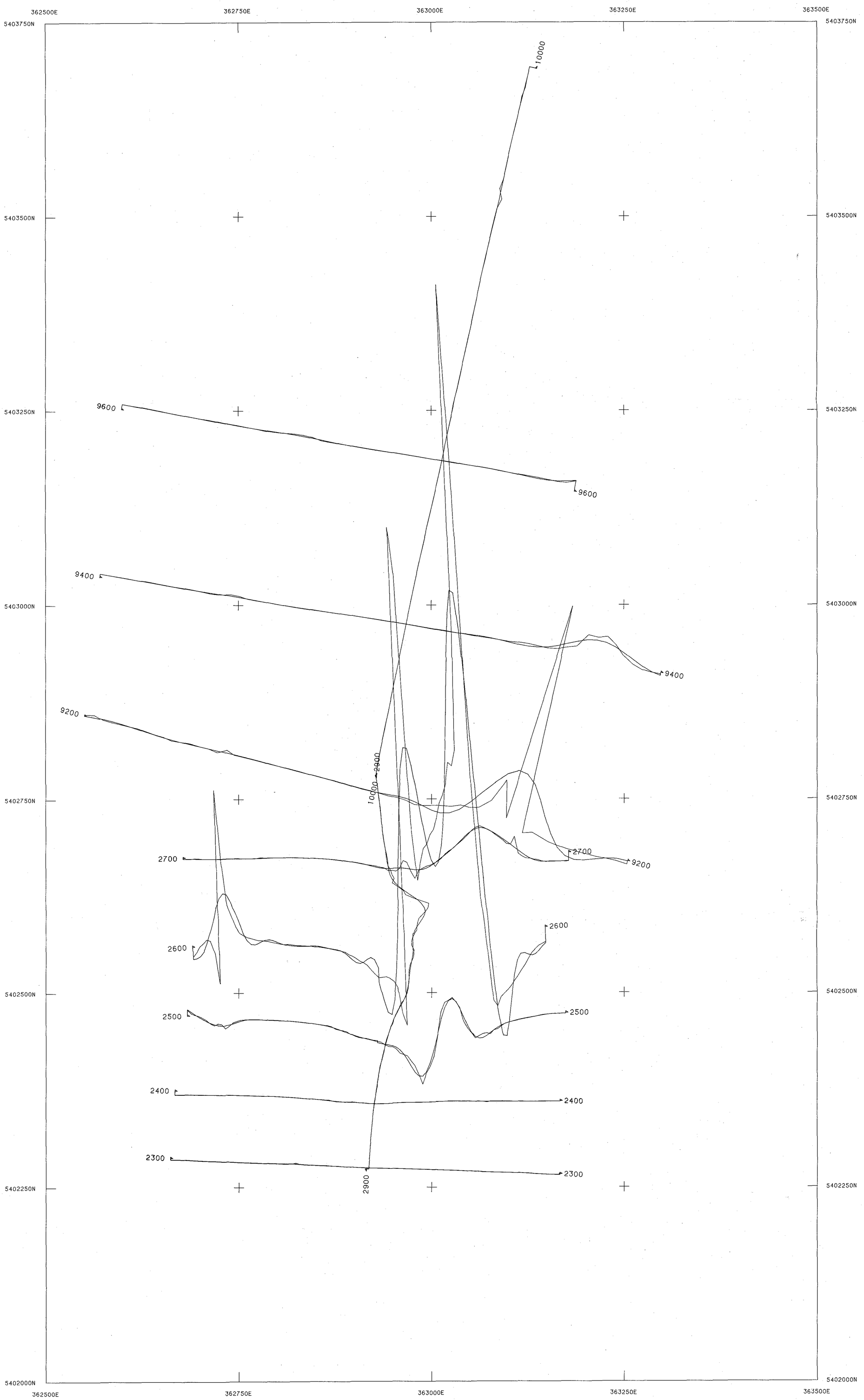
R.G.C. EXPLORATION PTY LTD

WARATAH AREA E.L. 12/90 & 15/90
WHYTE RIVER PROSPECT

MAGNETIC CONTOURS

Geo :	Revised :	Report :
Drawn : Tesla-10	Date : Aug 91	Drg : 5530/036

PLAN 5



SURVEY SPECIFICATIONS

GRID	: RGC DATA
LINE NUMBERS	: 2300 - 2900
RECORDING INTERVAL	: 5.0 METERS
LINE SPACING	: 100 METERS
LINE DIRECTION	: 90 DEGREES
GRID	: ABERFOYLE DATA
LINE NUMBERS	: 9200 - 10000
RECORDING INTERVAL	: 12.5 METERS
LINE SPACING	: 200 METERS
LINE DIRECTION	: 100 DEGREES

MAGNETIC STACKED PROFILES

Diurnal variations removed and base value of 61940 nT added (RGC data only)

Data has been filtered with a band-pass filter to minimize high frequency effects

Filter parameters : 21 points
0.0 - 0.01 cutoff

BASE VALUE : 61840 nT
VERTICAL SCALE : 250 nT/cm

LEGEND

RED - FILTERED

BLACK - DIURNALLY CORRECTED

0 100 200m
Scale 1:2500

AMG Zone 55 - Central Meridian 147 deg.

SURVEY LOCATION

5 cm

92-3363.

079055

PROCESSING BY TESLA-10 PTY. LTD.
JOB No. TA1832

R.G.C. EXPLORATION PTY LTD

WARATAH AREA E.L. 12/90 & 15/90
WHYTE RIVER PROSPECT

MAGNETIC STACKED PROFILES

Geo :	Revised :	Report :
Drawn : Tesla-10	Date : Aug 91	Drg : 5530/037

PLAN 6

372500

373000

373500

403500

403000

402500

402000

35022

35023 35024

35021

35020

35002

35018 35019

35015

35013

35012

35010

35009

35006

35007

35008

35005

079056

5 cm

92-3363.

RGC EXPLORATION PTY.LTD

WOMBAT FLAT

STREAM SEDIMENT GEOCHEMISTRY

GEOLOGY BY: S.HALLEY COMPILED BY: S.TRACEY

SCALE 1: 2500

0 50 100 150 200 250 M

DATE: 18/ 6/92 | 5530/042 | PLAN 7

KEY:

RENISON GOLD FIELDS CONSOLIDATED