082001

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E.L. 101/87 DUNDAS AND

E.L. 13/88 MOORES PIMPLE

PARTIAL RELINQUISHMENT REPORT

FOR THE PERIOD 1988 to 1992

Vol. 1 of 3

92-3358

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o RGC Exploration (1)

CONTENTS

		Page
1.	INTRODUCTION	1
2.	SUMMARY OF EXPLORATION BY RGC EXPLORATION	2
3.	CONSTRUCTION AND REHABILITATION	5
4.	WORK COMPLETED 1991/92	7
5.	CONCLUSIONS	10
6.	BIBLIOGRAPHY	11

APPENDICES

Appendix 1	*Stream Sediment Sampling Results, 1991/92*
Appendix 2	*Rock Chip Sampling Results, 1991/92*
Appendix 3	*Notes on the Geology of the Ring River Grid by W. Herrmann*
Appendix 4	*A Reconnaissance of Old Workings in the Central and North Dundas Mineral Fields, Tasmania, by W. Herrmann and M. White*
Appendix 5	*Rock Chip Sample Descriptions and Assays*
Appendix 6	*Interpretation of Aeromagnetic data from E.L.'s 101/87 (Dundas) and 13/88 (Moores Pimple) by Bruce Wyatt*
Appendix 7	*Report on Geophysics from the Montezuma and Ring River Prospects, E.L. 101/87 and E.L. 13/88 by R. Deakin*
Appendix 8	*Montezuma and Reconnaissance Rock Chip Sample Analytical Reports*
Appendix 9	*Ring River Grid Wacker and Rock Chip Sample Analytical Reports*
Appendix 10	*Geology of the (Mount) Dundas Grid and Lines 3600, 3800, 4000N Montezuma Grids E.L. 101/87 Dundas and E.L. 13/88 Williamsford*
Appendix 11	*Mt. Dundas Ground Magnetics*
Appendix 12	*Mt. Dundas Rock Chip Sample Analytical Reports*
Appendix 13	*Ring River Drill Hole Logs*
Appendix 14	*Combined Soil, Stream Sediment and Rock Chip Sampling Results, for Ground to be Relinquished, 1989-92*
Appendix 15	*An Interpretation Form of Pine Hill Granite, Dundas-Renison-Williamsford Area, EL 101/87 and 13/88 for RGC Exploration Pty. Ltd. by Dr. D.E. Leaman*
Appendix 16	*Analytical Results, Ring River Drilling Programme, RR001 and RR002*

TABLES

1. *Exclusions from EL 101/87 and EL 13/88*

2. *Previous work in Dundas-Moores Pimple Area*

3. *Gold Standards*

FIGURES - IN TEXT

Fig	Drg.No.	Title	Scale
1		Location Plan	1:250,000
2	5522/002	Land Tenure, E.L., 101/87 & 13/88	1:50,000
3		Ring River Grid Wacker Sample Location	1:2,500
4		Ring River Grid Wacker Assay Results, Au	1:2,500
5		Ring River Grid Wacker Assay Results, Ag	1:2,500
6		Ring River Grid Wacker Assay Results, Cu	1:2,500
7		Ring River Grid Wacker Assay Results, Pb	1:2,500
8		Ring River Grid Wacker Assay Results, Zn	1:2,500
9		Ring River Grid Wacker Assay Results, Bi	1:2,500
10		Ring River Grid Wacker Assay Results, As	1:2,500
11		Ring River Grid Wacker Assay Results, Sb	1:2,500
12		Ring River Grid Wacker Assay Results, Sn	1:2,500
13		Mt. Dundas Grid, Soil & Rock Geochem Cu	1:25,000
14		Mt. Dundas Grid, Soil & Rock Geochem Pb	1:25,000
15		Mt. Dundas Grid, Soil & Rock Geochem Zn	1:25,000
16		Mt. Dundas Grid, Soil & Rock Geochem As	1:25,000
17		Mt. Dundas Grid, Soil & Rock Geochem Sn	1:25,000
18		Mt. Dundas Grid, Soil & Rock Geochem W	1:25,000
19		Mt. Dundas Grid, Soil & Rock Geochem Au	1:25,000
20		Mt. Dundas Grid, Soil & Rock Geochem Cr	1:25,000
21		Mt. Dundas Grid, Soil & Rock Geochem Co	1:25,000
22		Mt. Dundas Grid, Soil & Rock Geochem Ba	1:25,000
23		Mt. Dundas Grid, Soil & Rock Geochem Sb	1:25,000
24	5522/002	Previous Work, EL's 101/87 & 13/88	1:50,000

PLANS - IN FOLDERS

Plan	Drg.No.	Title	Scale
1	5522/054A	Geological Interpretation	1:25,000
2	5524/008	Ring River Grid, Interpretative Geology	1:5,000
3	5524/014	Ring River Grid, Ground Magnetics	1:5,000
4	5524/015	Ring River Grid, Chargeability	1:5,000
5	5524/013	Ring River Grid, Resistivity	1:5,000
6	5524/018	Ring River Grid, Line 4400N, Composite Line Profile	1:2,500
7	5524/019	Ring River Grid, Line 4600N, Composite Line Profile	1:2,500
8	5524/020	Ring River Grid, Line 4800N, Composite Line Profile	1:2,500
9	5524/021	Ring River Grid, Line 5000N, Composite Line Profile	1:2,500
10	5524/022	Ring River Grid, Line 5200N, Composite Line Profile	1:2,500
11	5524/023	Ring River Grid, Line 5400N, Composite Line Profile	1:2,500
12	5524/024	Ring River Grid, Line 5600N, Composite Line Profile	1:2,500
13	5524/025	Ring River Grid, Line 5800N, Composite Line Profile	1:2,500
14	5524/026	Ring River Grid, Line 6000N, Composite Line Profile	1:2,500
15	5524/027	Ring River Grid, Line 6200N, Composite Line Profile	1:2,500
16	5524/028	Ring River Grid, Line 6400N, Composite Line Profile	1:2,500
17	5524/029	Ring River Grid, Line 6600N, Composite Line Profile	1:2,500
18	5524/030	Ring River Grid, Line 6800N, Composite Line Profile	1:2,500
19	5524/031	Ring River Grid, Line 7000N, Composite Line Profile	1:2,500
20	5512/130	Reconnaissance Sample Location Plan	1:25,000

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082007

PLANS - IN FOLDERS

Plan	Drg.No.	Title	Scale
21	5524/004	Ring River Grid Interpretative Geology, A	1:1,000
22	5524/005	Ring River Grid Interpretative Geology, B	1:1,000
23	5524/036	RRD001 Drill Hole Diamond Drill Sampling	1:1,000
24	5524/035	RRD002 Drill Hole Diamond Drill Sampling	1:1,000
25	5524/012	Mt. Dundas Grid, Geological Interpretation	1:5,000
26	5524/012	Mt. Dundas Grid, Sample Location Plan	1:5,000
27	5512/004	Zeehan Residual Magnetic Intensity Contours, 10nT	1:25,000
28	5512/005	Zeehan Residual Magnetic Intensity Contours, 2nT	1:25,000
29	5512/006	Zeehan Residual Magnetic Intensity Grid Profiles	1:25,000
30	5512/007	Zeehan Residual Magnetic Intensity Profiles, 500nT	1:25,000
31	5512/008	Zeehan Residual Magnetic Intensity Profiles, 100nT	1:25,000
32	5512/009	Zeehan Flight Path Map	1:25,000
33	5522/001	Drillhole and Grid Location Plan	1:25,000
34	5524/009	Ring River Grid Factual Geology & Sample Loc	1:5,000
35	5524/037	Mt. Dundas Grid Factual Geology & Sample Loc	1:5,000
36	5522/050	Mt. Dundas Ground Magnetic Survey Profiles of Merged Total Field Magnetic Intensity	1:5,000
37	5522/051	Mt. Dundas Ground Magnetic Survey Contours of Merged Total Field Magnetic Intensity	1:5,000
38		EL 13/88 Ring River Grid Sample Location Plan	1:1,000
39	5522/054	Regional Geological Interpretation	1:25,000
40		Mt. Dundas Grid Sample Locations	1:5,000

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PLANS - IN FOLDERS

Plan	Drg.No.	Title	Scale
41	5522/046	Dundas Region Gravity Survey Bouguer Anomaly	1:25,000
42	5522/047	Dundas Region Gravity Survey Interpretation Form of Pine Hill Granite	1:25,000
43	5522/066	E.L. 101/87 & 13/88, Areas to be relinquished (Rosebery Sheet)	1:25,000
44	5522/067	E.L. 101/87 & 13/88, Areas to be relinquished (Dundas Sheet)	1:25,000

1. INTRODUCTION

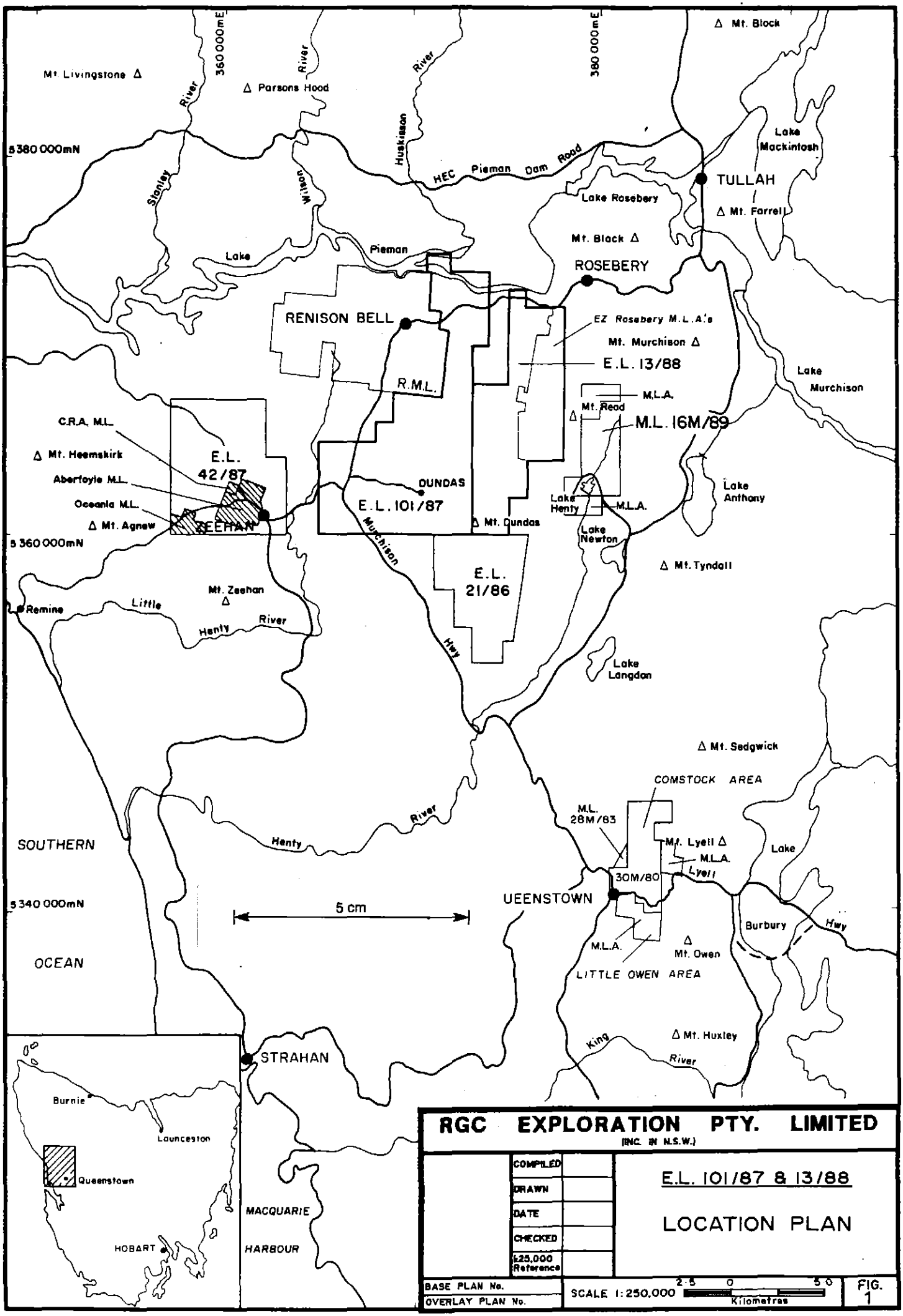
The adjoining licences E.L. 101/87 (Dundas) and E.L. 13/88 (Moores Pimple) were acquired in 1988, and in 1989 adjoining licence E.L. 45/88 was acquired and incorporated into E.L. 101/87. The expanded licence E.L. 101/87 was acquired principally because of its potential for Renison and/or Razorback style replacement tin deposits, and because of its proximity to the Renison Bell tin mine. E.L. 13/88 was acquired principally to cover the southern extensions of the Rosebery Fault, which was perceived to have potential for hosting Henty-style gold mineralisation.

The combined E.L.'s currently total 93 square kilometres, covering mostly mountainous rainforest stretching from near Rosebery to Mt. Dundas. This area is dominated by volcaniclastic and epiclastic sediments of the Dundas Group, with lesser occurrences of Crimson Creek turbidites, ultramafic complexes and Oonah Formation sediments.

Numerous companies have previously explored the area, mainly targetting base metals at Dundas and tin in the northern half of the tenements, however the main thrust of this work tended to be confined to a few small areas and significant areas remained incompletely explored. Work completed by RGCE was initially targetted along two main structures, the Montezuma Fault (tin) and the Rosebery Fault (gold).

The area to be relinquished includes 22 square kilometres of E.L. 13/88 and 25 square kilometres of expanded E.L. 101/87. This includes most of the area along the Rosebery Fault that was prospected for gold.

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RGC EXPLORATION PTY. LIMITED
(INC. IN N.S.W.)

COMPILED	
DRAWN	
DATE	
CHECKED	
1:25,000 Reference	

E.L. 101/87 & 13/88

LOCATION PLAN

BASE PLAN No.

OVERLAY PLAN No.

SCALE 1:250,000 2·5 0 5·0 Kilometres

FIG. 1

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365 000mE
370 000mE
375 000mE
5 370 000mN
5 365 000mN

ROSEBERY
RENISON BELL
MURCHISON HIGHWAY
COLEBROOK HILL FOSSICKING AREA
J. DOHNT (Colebrook)
MINOPS (Godkin)
E.L. 18/86 M.G. CREASY
PASMINCO
WILLIAMSFORD
PASMINCO (Rosbery/Hercules mine leases)
RENISON M.L.
EXEMPT AREA
N.E. DUNDAS TRAMWAY
S.DOHNT (Kapi)
HIGHWAY
MURCHISON
MINOPS (Razorback)
MIHAJLOWITS (Adelaide)
GROVES
BENNETT (S.Comet)
DOHNT/ROWBOTTOM (Red lead)
E.L. 101/87
E.L. 13/88

5 cm

RGC EXPLORATION PTY. LIMITED
INCORPORATED IN NEW SOUTH WALES

COMPILED	J.C.
DRAWN	M.W.
DATE	
CHECKED	
1:250 000 Reference	

E.L. 101/87 & 13/88

LAND TENURE

BASE PLAN No 5522/003
OVERLAY PLAN No
SCALE 1:50 000 0 1Km
2

TABLE 1

Exclusions from EL 101/87 and EL 13/88

	Tenement	Title Holder	Comments
101/87;	3W/73	Paringa	Razorback tin deposit leases
	11W/74	Paringa	Razorback tin deposit leases
	62M/75	Paringa	Godkin Prospect
	6M/77	Minops	Razorback tin deposit leases
	86M/77	Minops	Razorback tin deposit leases
	87M/77	Minops	Razorback tin deposit leases
	22M/74	S. Dohnt/Rowbottom	"Red Lead" Crocoite mine
	74M/74	F. Mihajlowits	Adelaide Crocoite mine
	39M/75	Minetech	South Comet lead-zinc deposit
	40M/75	Minetech	South Comet lead-zinc deposit
	63M/84	F.W. Groves	Quarries
	26M/85	M.J. Adams/ Cochrane/Hall	Lapidary Club Fossicking Area
	MR	S. Dohnt	1 ha Miners Right (Kapi Mine)
13/88;	445/W	Pasminco	Rosebery/Herculese mine leases
	2270/W	Pasminco	Rosebery/Herculese mine leases
	9075/M	Pasminco	Rosebery/Herculese mine leases
	9749/M	Pasminco	Rosebery/Herculese mine leases
	1000/M	Pasminco	Rosebery/Herculese mine leases
	2529/W	Pasminco	Rosebery/Herculese mine leases
	10635/M	Pasminco	Rosebery/Herculese mine leases
	10638/M	Pasminco	Rosebery/Herculese mine leases
	33M/38	Pasminco	Rosebery/Herculese mine leases
	39M/39	Pasminco	Rosebery/Herculese mine leases
	70M/46	Pasminco	Rosebery/Herculese mine leases
	99M/56	Pasminco	Rosebery/Herculese mine leases
	7M/82	Pasminco	Rosebery/Herculese mine leases
	33M/89	Pasminco	Rosebery/Herculese mine leases
	MR	J. Dohnt	1 ha Miners Right (Colebrook Hill)

TABLE 2

PREVIOUS WORK IN DUNDAS/MOORES PIMPLE AREA

COMPANY	PERIOD	PROSPECT(S)	COMMODITIES	METHODS	RESULTS
BMR	1959/60	Razorback Grand Prize	Sn	Turam, Sp Magnetics	Inconclusive except over known mineralisation.
PLACER	1964/66	Razorback Grand Prize	Sn	Underground Drill Mining	No new orebodies found. The prospects are not connected.
N.C.G.F.	1966/71	N. Dundas (Montezuma)	Sn	Magnetics, VHEM Mapping Geochem	Coincident Magnetic and Tin-in-Soil anomaly on Montezuma Fault. Not considered worth drilling.
GEOPHOTO	1968/74	Dundas	Pb Zn Ag	IP, REM, SP, Mag Mag Mapping Geochem 79 Drill Holes	Intensive drilling located Pb Zn Ag in several thin fissure veins separated by barren host rocks. Didn't meet corporate objectives.
COMSTAFF	1970/85	E. Renison Godkin	Sn	IP, Input, Mag Mapping 58 Drill Holes	Intensive drilling defined: Tin Vein; 0.4Mt x 1%Sn, .2% Cu Salmon Vein; 0.8Mt x 3 % Pb, 2% Zn Godkin; 0.3Mt x 0.9% Sn.
CSR	1976/87	Nevada Razorback Montezuma Carbine	Sn Cu Pb Zn Au	Em, Mag, IP Dighem, Input Mapping Stream Geochem. Soil Geochem 7 Drillholes	Several Geochem. anomalies identified and followed up but more were drilled. Airborne geophysic anomalies were followed up by 7 unsuccessful holes.
EZ/GETTY EZ/CSR	1978/87	Colebrook Hill Ring R Mt.Dundas Montezuma	Sn Cu	Input, Dighem Turam, IP Mapping Geochem. 28 Drillholes	Several encouraging Sn &/or Cu intersections at Colebrook Hill (23 holes). Only minor Sn, Pb intersections on Montezuma Fault (5 holes). Deep hole proposed.

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2. SUMMARY OF EXPLORATION BY RGCE IN AREA TO BE RELINQUISHED

1988/89; Initially a series of 1:5,000 base plans was drafted to cover the entire tenement area and all geological data accumulated by previous explorers was assessed and plotted on the plans. All previous geochemical, geophysical and drilling information was also compiled and assessed.

As a result, the 33.6 line kilometre Ring River Grid was extended along the Rosebery Fault between Williamsford and Moores Pimple, where there was perceived potential for Henty style gold mineralisation. Two helipads were constructed to support proposed geological and geophysical programmes, and gridding.

The gridlines and all known old prospects and mines were geologically mapped during the summer, at 1:5,000 scale. Seven rock chip samples were collected from the grid and another twenty two samples from old mines during the mapping, and all were analysed for Cu, Pb, Zn, Ag, As, Bi, Au, Sb, Sn and W. No significant gold anomalies were recorded.

A ground magnetic survey at 12.5m spacings and a gradient array IP survey at 25m spacings were completed over the entire grid. Ring River A low resistivity/high chargeability anomaly was defined north of Bathers Creek in White Spur Formation sediments in the hangingwall of the Rosebery Fault. The IP anomaly coincided with a magnetic low, which it was felt could be a result of magnetically destructive alteration. Ref. Cartwright, 1989.

1989/90; *Two helipads were constructed on the Bathers Creek Grid to enable drilling of the IP anomaly, and drilling platforms were constructed. The 21 line kilometre Mt. Dundas Grid was cut southwest of the Bathers Creek Grid to cover the southern extension of the Rosebery Fault as far as Mt. Dundas, and existing access roads were improved. Only about a third of this grid lies in the area to be relinquished.*

All new gridlines were geologically mapped at 1:5,000 scale and additional detailed mapping at 1:1,000 scale was completed over the Bathers Creek IP anomaly. Some reconnaissance mapping was undertaken outside gridded areas, including east of Mt. Dundas.

A wacker bedrock sampling programme was completed over the Bathers Creek IP anomaly, involving 249 samples which were analysed for Au, Ag, Cu, Pb, Zn, As, Sb, Sn and Bi (AAS, XRF). Gold values were mostly below detection and only a weak As anomaly was apparent, co-incident with the IP anomaly.

Interpretation of magnetic data from the 1988/89 aeromagnetic survey and the Ring River Grid ground magnetic survey was completed, and a ground magnetic survey at 5m spacings was completed over the Mt. Dundas Grid. The aeromagnetic survey outlined numerous anomalies worthy of follow-up.

Two diamond holes (RRD001 and 002) were drilled to test the Bathers Ck IP anomaly, which was found to be caused by graphite in sheared carbonaceous siltstones of the White Spur Formation (Dundas Group), in the hangingwall of the shallowly east dipping Rosebery Fault. No mineralisation was

encountered. Ref. Crossing, 1990.

1990/91; To provide new targets for exploration, a regional gravity survey was undertaken to delineate the granite surface in more detail. 191 stations were measured, using barometrically derived elevations. The survey delineated known culminations at Pine Hill, Colebrook Hill and Rosebery, but none were interpreted in the area to be relinquished. A follow-up of the 1988/89 aeromagnetic survey failed to locate anomalies worthy of further exploration in the area to be relinquished, and the most significant anomalies were found to be caused by Jurassic dolerite dykes near Mt. Dundas.

A C-Horizon soil sampling programme involving the collection of 417 samples was completed on the Mt. Dundas Grid, and all samples were multi-element analysed (AAS, XRF, NAA). A broad, low level Zn, As (W) anomaly was delineated in a fault bound wedge of Dundas Group sediments and altered ultramafics between the Rosebery Fault and a northerly trending structure at Moores Pimple. This anomaly lies in the area to be relinquished. The processed ground magnetic data from the same area was received but no significant anomalies were present.

Toward the end of the field season, the emphasis changed from continued exploration for tin to assessing the potential for base metal mineralisation. This was a consequence of continued depressed tin prices. Ref. Crossing, 1991.

3. *CONSTRUCTION AND REHABILITATION*

Construction on the tenements consisted of the upgrading of a number of existing roads, the establishment of helipads, drillsites and grids. This includes the following specific work undertaken in the area to be relinquished:

1) *Construction of the 18 line km Ring River Grid plus walking tracks, electrode lines and infill lines totalling another 15.6km. All of the work was undertaken by the Purton Bros. contract line cutters operating under environmental guidelines. No rehabilitation was required.*

2) *Construction of 4 helipads on the Ring River Grid to support geophysical programmes and two diamond drillholes (RRD001 & 002). The drillsites involved construction of small log platforms and the blasting of a small (5 x 2m) rock outcrop at one site to make room for a platform. Some debris from a helicopter accident remains at the site and will be removed when a helicopter is available and weather permits. The site is otherwise clean and no further rehabilitation is proposed for any of the helipads.*

3) *Construction of the Mt. Dundas grid involving 21 line kilometres of gridlines and access tracks, also undertaken by the Purton Bros. The grid is still current and only about a third lies on the portion to be relinquished.*

4) *Existing roads in the Dundas area were repaired to provide access to the southern and central portions of the Mt. Dundas Grid. These include the Duck Creek road that goes northeast from Maestries Mill*

and a road going east from the Comet-Maestries mine. Some drainage ditches were constructed on the latter to upgrade it. Both roads remain in occasional use.

4. WORK COMPLETED 1991/92

A stream sediment sampling programme involving the collection of 23 samples from 1st and 2nd order creeks flowing east from Mt. Dundas-Moores Pimple was completed. The survey was designed to test the White Spur Formation east of the Rosebery Fault for anomalous gold, an element not analysed for in previous surveys of the area. Samples were sieved to -200# on location and flocculated to settle in small vials (about 150gm). These plus one standard were sent to Becquerel and analysed by neutron activation (Method 1801) for gold + 26 elements without any sample preparation being required. The full range of elements includes Au, Sb, As, Ba, Br, Ce, Cs, Cr, Co, Eu, Hf, Ir, Fe, La, Lu, Mo, K, Rb, Sm, Sc, Se, Ag, Na, Ta, Th, Sn, W, U, Yt, Zn and Zr.

The method was chosen because it offered the following advantages:

1) No need for Preconcentration by panning, and results are easier to interpret.

2) Samples are easy to transport.

3) No sample prep. is required.

4) Choosing -200# avoids the problems associated with the effects of hydraulic concentration of coarse gold in sediment traps.

Only two samples returned gold values above the 5ppb detection limit, viz:

T35701 7.5 ppb Au
T35704 (13?).5 ppb Au 92-3356 shows 31 ppb.

These results were not significant enough to warrant follow-up work.

A follow-up of the base metal anomaly on the Mt. Dundas Grid at Moores Pimple was completed, and involved supplementary mapping and the collection of 15 rock chip samples which were analysed for Cu, Pb, Zn, Ag and Sn (AAS, XRF). The anomaly covers Dundas Group polymict conglomerates, altered Cambrian ultramafics and rhyolitic volcanics of the White Spur Formation in a fault bound wedge between the Rosebery Fault and a northerly trending structure (Plan 2).

The ultramafics are intensely altered to a cherty silica-fuchsite-limonite rock with up to 10% fresh pyrite. They appear to be associated with a northerly fault and cut Dundas Group sediments discordantly. Only low levels of Zn (up to 119 ppm) and Cu (up to 121 ppm) are associated with them.

Alteration is patchy within the polymict conglomerate and varies in intensity from minor disseminated pyrite to locally intense silicification, carbonation and sericitisation with up to 10% pyrite. Sample T35745 was taken from a small stockwork of ferruginous fractures and strong associated carbonate alteration trending NNW (340 degrees AMG), with visible disseminated sphalerite and galena. The sample analysed 0.20% Pb, 0.26% Zn. This mineralisation is considered to be vein-style, similar in style and orientation to the nearby Moores Pimple mine. In these workings, which were not visited, the mullock reportedly consists of carbonate-fuchsite-silica altered ultramafic, and veining trends N-S paralleling the ultramafic. (Herrmann, 1989 - Appendix).

The rhyolitic volcanic is massive, fine grained and siliceous, and occurs in the immediate hangingwall of the Rosebery Fault which overthrusts it over the conglomerate and ultramafic. The Rosebery Fault is exposed at 4000N/4830E, where it dips 30 degrees toward the east. The topographic effect of the shallow dip and the steep slopes of Moores Pimple produces a lobate outcrop pattern to the volcanics. Sample T35748 taken from the fault was slightly anomalous for lead (370 ppm) and zinc (143

ppm). The volcanics are locally brecciated, with ferruginous fracture stockworks with minor associated sericite and up to 5% disseminated pyrite. Samples were slightly anomalous for Cu (up to 121 ppm), and Zn (up to 153 ppm).

In summary, the hard rock source of base metal anomalism appears to have been identified. At least some of the mineralisation is associated with Devonian base metal veining typical of other veins mined in the North Dundas Mineral Field, and the alteration is grossly related to the intersection of the Rosebery Fault and the northerly trending structure along which the ultramafics are located. It is concluded that weak mineralising fluids probably migrated up the east dipping Rosebery Fault from a gravity defined granitic cupola beneath White Spur (Leaman, 1990 - Appendix), during the Devonian.

The results of the stream sediment and rock chip analyses are included as Appendix 1 and 2 respectively, and sample locations are shown on Plan 26, and results are summarised as figures 13-23.

TABLE 3

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GOLD ASSAY STANDARDS

Current recommended values. 3.MAY.991

ID	MEAN GRADE	PREC. %	ACCEPT. RANGE(95%)		STAT	DATE	LAB	DESCRIPTION
B0	-0.002	100	-0.00	-0.00	280X	1.NOV.87	BEQ**	BURRAGA QTZ SST AND MINOR CHLORITE
B10	0.061	5	0.05	0.06	180X	20.MAR.90		LUCKY DRAW BLENDED WITH BASALT
B11	5.050	4	4.65	5.56	380X	5.JUL.89	BEQ	LUCKY DRAW OXIDIZED
B12	3.280	5	2.95	3.61	280X	20.MAR.90	BEQ	LUCKY DRAW BLENDED WITH BASALT
B12X	0.104	4	0.09	0.11	380X	1.APR.91	BEQ	LUCKY DRAW BASALT BLENDED
B13	0.498	2	0.45	0.56	280X	20.MAR.90		LUCKY DRAW BLENDED WITH BASALT
B20	1.770	2	1.59	1.95	480X	5.JUL.89	BEQ	LUCKY DRAW OXIDIZED
B4	0.260	30	0.18	0.33	1BIN	1.JAN.88	BEQ	BURRAGA HC QTZ CHLORITE
B5	3.500	8	3.15	3.85	1BIN	1.NOV.87	BEQ**	BURRAGA HC QTZ CHLOR
B6	17.000	5	15.30	18.70	2BIN	1.JUN.87	NAA	BURRAGA RAB
B66	6.900	5	6.21	7.59	1BIN	1.JUN.87	NAA	BURRAGA RAB
B8	1.190	3	1.07	1.31	480X	5.JUL.89	BEQ	LUCKY DRAW OXIDIZED
B9	3.140	3	2.83	3.46	380X	5.JUL.89	BEQ	LUCKY DRAW OXIDIZED
BRB1	3.565	30	2.50	4.63	180X	1.MAY.87	BEQ	BARAMBAH OXIDIZED
BRB2	1.100	7	0.99	1.21	1BIN	1.MAY.88	BEQ	BARAMBAH OXIDIZED
BRB3	0.308	8	0.28	0.34	180X	1.MAY.88	BEQ	BARAMBAH OXIDIZED
BRB4	0.143	20	0.11	0.17	1BIN	1.MAY.88	BEQ	BARAMBAH OXIDIZED
BRB5	0.074	17	0.06	0.09	2BIN	1.MAY.88	BEQ	BARAMBAH OXIDIZED
FMC1	0.236	35	0.15	0.32	280X	1.JUN.88	BEQ	FOUR MILE CK. NSW SERI. CARBONATE PYRITE
FMC2	2.911	13	2.53	3.29	180X	1.JUN.88	BEQ	FMC NSW SILTSTONE
FMC3	1.797	15	1.53	2.07	180X	1.JUN.88	BEQ	FMC NSW PYRITIC ACID INTRUSIVE
FMC4	0.370	10	0.33	0.41	180X	1.JUN.88	BEQ	FMC NSW CHERTY SILT
FMC5	0.771	40	0.46	1.08	180X	1.JUN.88	BEQ	FMC NSW CARBON SILTSTONE
FMC6	0.300	30	0.21	0.39	280X	1.JUN.88	BEQ	FMC NSW CHERTY SILTSTONE
FMC7	1.731	45	0.95	2.51	480X	1.JUN.88	BEQ	FMC NSW SULPHIDIC SILTSTONE
GC10	2.780	6	2.50	3.06	1BIN	1.MAR.88	BEQ**	PINE CREEK OXIDIZED
GC12	3.500	15	2.98	4.03	280X	1.AUG.87	BEQ	PINE CREEK OXIDIZED
GC14	1.917	4	1.73	2.11	780X	1.FEB.90	BEQ	PINE CREEK PART OXIDIZED
GC15	3.276	4	2.95	3.60	280X	1.FEB.90	BEQ	PINE CREEK PART OXIDIZED
GC3A	1.268	20	1.01	1.51	280X	1.MAR.88	BEQ**	PINE CREEK OXIDIZED
GC4A	1.329	8	1.20	1.46	280X	1.AUG.87	BEQ	PINE CREEK OXIDIZED
GC5	1.442	10	1.30	1.59	280X	1.MAR.88	BEQ**	PINE CREEK OXIDIZED
GC7	7.400	15	6.29	8.51	280X	18.JUN.87	ANALAB	PINE CREEK OXIDIZED
GC8	0.763	15	0.64	0.87	180X	1.JUN.87	ANALAB	PINE CREEK OXIDIZED
MAG	0.540	15	0.46	0.62	180X	1.MAR.88	BEQ**	MT.MAGNET BIF OXIDIZED
MC1	1.600	10	1.44	1.76	1BIN	1.NOV.87	BEQ**	MT.COOLON OXIDIZED
MC2	1.550	8	1.40	1.71	5BIN	1.MAR.88	BEQ**	MT.COOLON OXIDIZED
MC3	6.130	4	5.52	6.74	1BOX	1.MAR.88	BEQ**	MT.COOLON OXIDIZED
MC6	0.888	5	0.80	0.98	6BOX	1.FEB.90	BEQ	MOUNT COOLON OXIDIZED
MD1	0.387	5	0.36	0.43	280X	1.AUG.87	BEQ	MT.DAVID CLAY OXIDIZED
MD2	0.400	25	0.30	0.50	180X	1.AUG.87	BEQ	MT.DAVID CLAY OXIDIZED
MD3	1.000	15	0.85	1.15	1BIN	1.MAR.88	BEQ**	MT.DAVID CLAY OXIDIZED
MM1	0.566	15	0.47	0.64	180X	1.JUN.87	ANALAB	MT.MORGAN STREAM SED.
MM2	1.320	30	0.92	1.72	3BIN	1.MAR.88	BEQ	MILKY WAY PART OXID
MM3	0.370	15	0.31	0.43	3BIN	1.MAR.88	BEQ	MILKY WAY PART OXID
PHQ	1.510	10	1.36	1.66	2BIN	1.JUN.87	ANALAB	PEAK HILL
PHR	0.668	10	0.60	0.74	3BIN	1.JUN.87	ANALAB	PEAK HILL
PHZ	0.965	17	0.80	1.13	280X	1.JAN.88	BEQ	PEAK HILL OXIDIZED
POX	1.220	15	1.04	1.40	1BOX	1.MAR.88	BEQ**	WAU PNG PARTIALLY OXIDIZED
PRIM	0.990	15	0.84	1.14	2BOX	1.NOV.87	BEQ**	WAU PNG PRIMARY
WAU	0.617	16	0.52	0.72	4BIN	1.JAN.88	BEQ	WAU PNG OXIDIZED

ID	MEAN GRADE	PREC. %	ACCEPT. RANGE(95%)		STAT	DATE	LAB	DESCRIPTION
B1	1.000	20	0.80	1.20	GONE	1.NOV.87	BEQ**	BURRAGA HC QTZ CHLOR
B2	0.020	50	0.01	0.03	GONE	1.JUN.87	ANALAB	BURRAGA RAB
B24	2.900	7	2.61	3.19	GONE	1.JUN.87	NAA	BURRAGA RAB
B26	0.832	4	0.75	0.92	GONE	1.AUG.87	BEQ	BURRAGA RAB
B3	0.050	15	0.04	0.06	GONE	1.NOV.87	BEQ**	BURRAGA HC QTZ CHLOR
B43	1.600	5	1.44	1.76	GONE	1.JUN.87	NAA	BURRAGA RAB
B44	0.590	5	0.53	0.65	GONE	1.JUN.87	NAA	BURRAGA RAB
B66	1.700	5	1.53	1.87	GONE	1.JUN.87	NAA	BURRAGA RAB
B7	3.200	7	2.88	3.52	GONE	1.JUN.87	NAA	BURRAGA RAB
B71	0.130	20	0.10	0.16	GONE	1.JUN.87	ANALAB	BURRAGA RAB
B72	0.640	10	0.58	0.70	GONE	1.JUN.87	NAA	BURRAGA RAB
GC1	1.420	30	0.99	1.85	GONE	1.JUN.87	ANALAB	PINE CREEK OXIDIZED
GC11	0.610	15	0.52	0.70	GONE	1.JUN.87	ANALAB	PINE CREEK OXIDIZED
GC13	3.850	5	3.47	4.24	GONE	1.JAN.88	BEQ	PINE CREEK PART.OXIDIZED
GC2	1.310	20	1.05	1.57	GONE	1.JUN.87	ANALAB	PINE CREEK OXIDIZED
GC3	1.064	20	0.85	1.28	GONE	1.FEB.87	ANALAB	PINE CREEK OXIDIZED
GC4	1.334	10	1.20	1.47	GONE	1.JUN.87	ANALAB	PINE CREEK OXIDIZED
GC6	0.736	10	0.66	0.81	GONE	1.JUN.87	NAA	PINE CREEK
GC9	3.120	8	2.81	3.43	GONE	1.JUN.87	KML	PINE CREEK
MC4	12.800	8	11.52	14.08	GONE	1.JAN.88	BEQ	MT.COOLON OXIDIZED
MC5	2.417	3	2.18	2.66	GONE	1.JUN.88	BEQ	MT. COOLON PARTIALLY OXIDIZED?
MM4	2.250	20	1.80	2.70	GONE	1.MAR.88	BEQ	MILKY WAY PART OXID

LAB. refers to laboratory from which grade is determined

MEAN GRADE is mean of 10 * 30gm. neutron activation analyses in a single contiguous batch at respective LAB.

PRECISION is (200 * std.dev.) / mean

ACCEPT RANGE is calculated from mean +- 2 std.dev. from test lab OR mean +/- 10% , whichever is greatest.

STAT GONE standard no longer available
STAT 1BIN approx. 100 standards.
STAT 1BOX approx. 1000 standards.

CURRENT COST $2.00 / EACH

LAB marked BEQ** have estimates which are suspected of being 15% too low. The precision estimates of the standards are reasonably good Consequently these standards are available for use as repeatability

5. CONCLUSIONS

Based on all the work completed to date on the area to be relinquished, the following conclusions can be made:

1) *Exploration along the Rosebery Fault for "Henty Style" gold mineralisation has been unsuccessful.*

2) *The use of electrical geophysical methods has been unsuccessful because of the common occurrence in Dundas Group sediments of carbonaceous pelites which become graphitic when sheared, thus producing spurious anomalies.*

3) *The base metal anomalism at Moores Pimple is probably Devonian in origin, and has potential only for small tonneage Pb-Zn vein type deposits typical of the North Dundas Field, which are not considered to be economically viable in the foreseeable future.*

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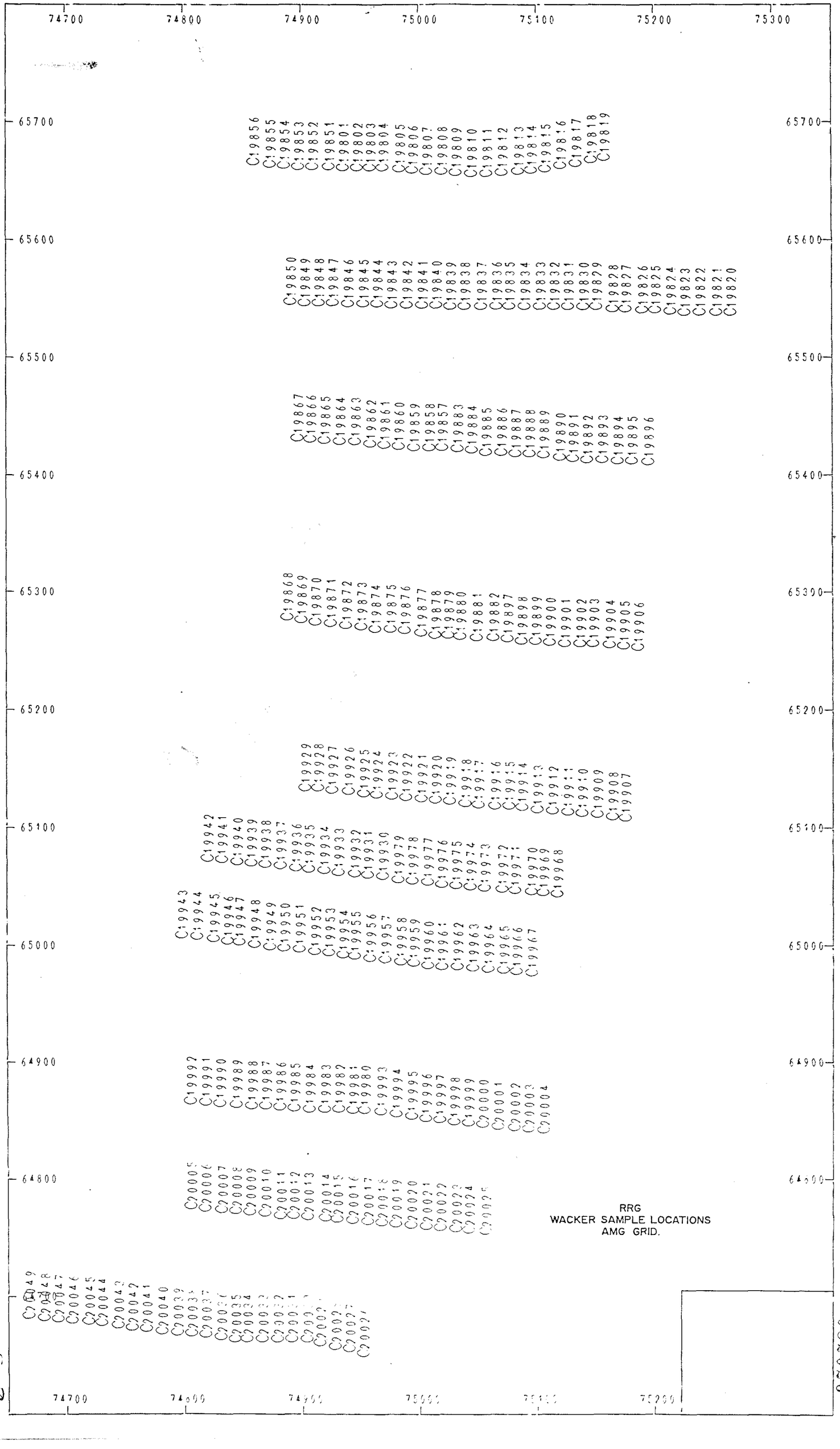
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RRG
WACKER SAMPLE LOCATIONS
AMG GRID.

082026

74700 74800 74900 75000 75100 75200 75300

65700 65600 65500 65400 65300 65200 65100 65000 64900 64800 64700

RRG
WACKER ASSAY RESULTS
Au
MAX. SYMBOL SIZE = 0.05ppm

KEY :

082027

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65700 65600 65500 65400 65300 65200 65100 65000 64900 64600 64700

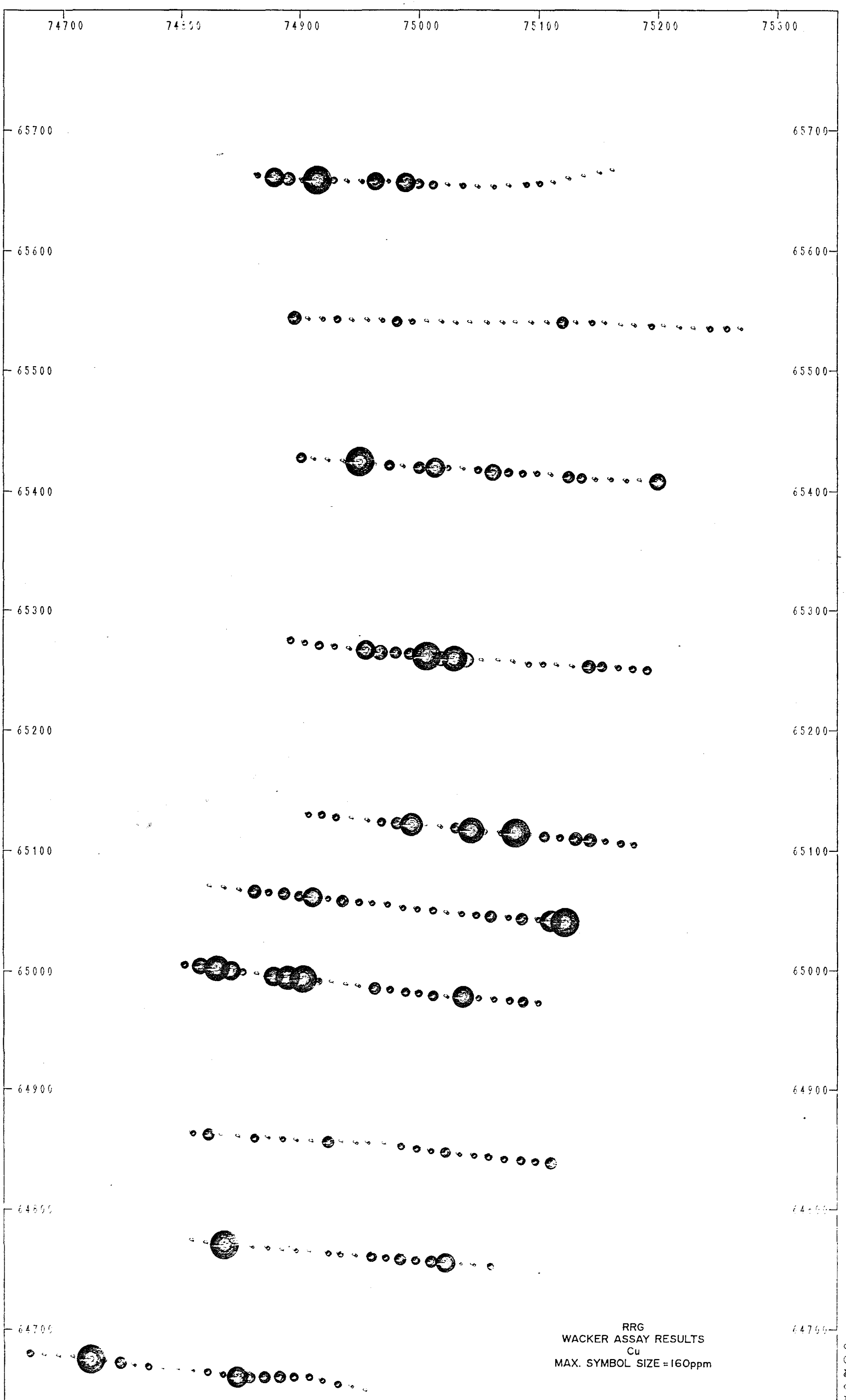
RRG
WACKER ASSAY RESULTS
Ag
MAX. SYMBOL SIZE = 5ppm

KEY:

0820828

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65700 65600 65500 65400 65300 65200 65100 65000 64900 64800 64700



RRG
WACKER ASSAY RESULTS
Cu
MAX. SYMBOL SIZE = 160ppm

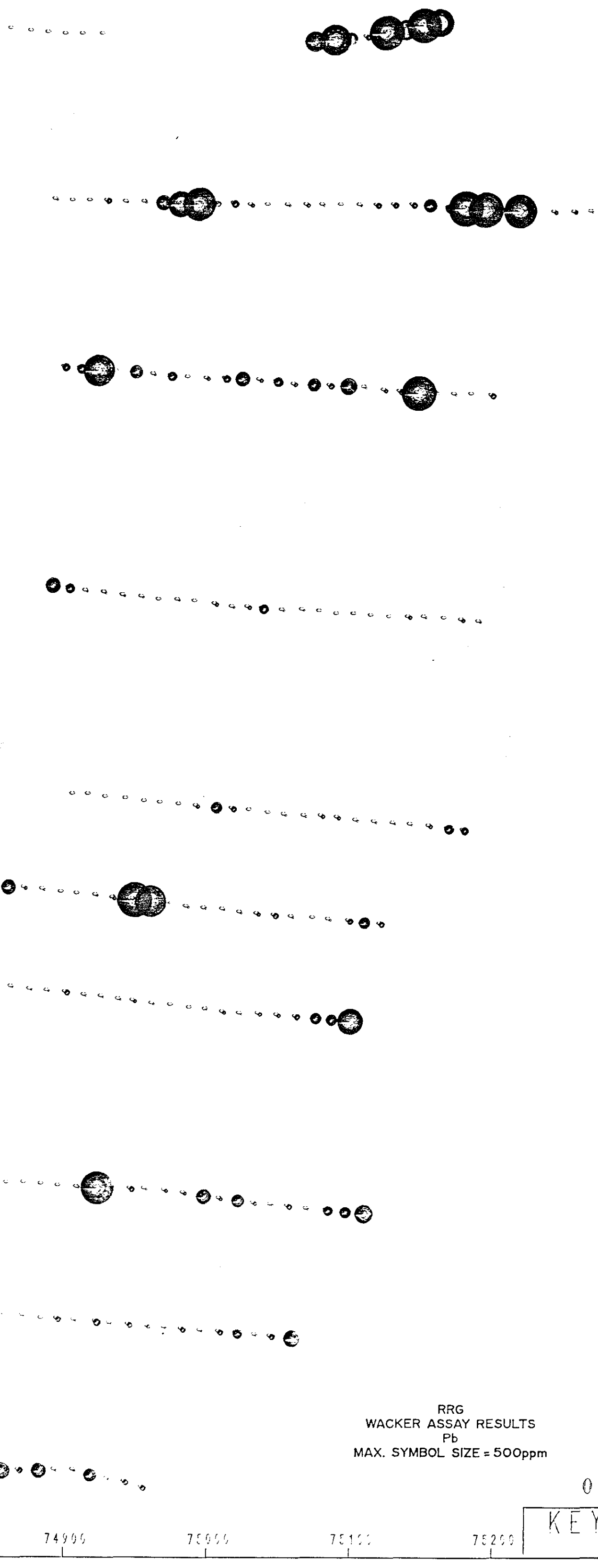
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0820029

Fig 9

74700 74800 74900 75000 75100 75200 75300

65700 65600 65500 65400 65300 65200 65100 65000 64900 64800 64700



RRG
WACKER ASSAY RESULTS
Pb
MAX. SYMBOL SIZE = 500ppm

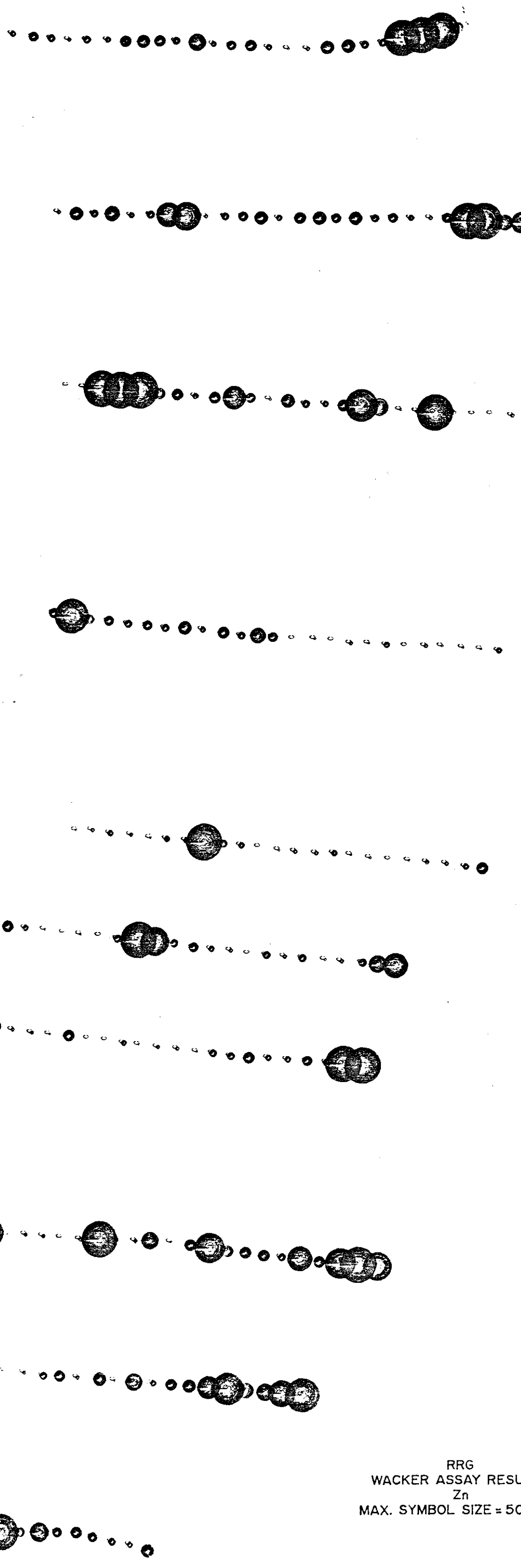
082030

KEY:

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74700 74800 74900 75000 75100 75200 75300

65700 65600 65500 65400 65300 65200 65100 65000 64900 64800 64700



RRG
WACKER ASSAY RESULTS
Zn
MAX. SYMBOL SIZE = 500ppm

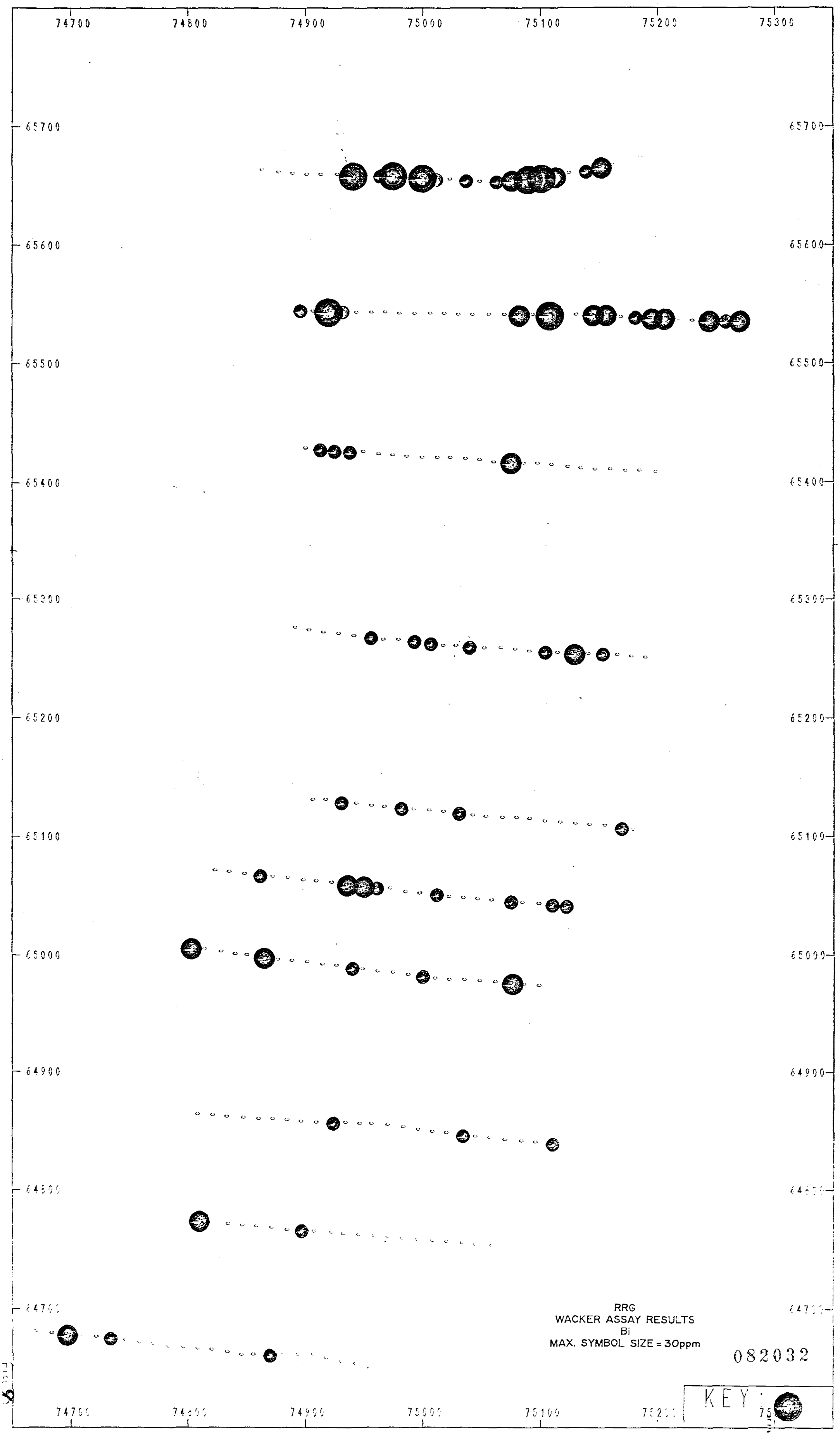
082031

KEY:

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74700 74800 74900 75000 75100 75200 75300

65700 65600 65500 65400 65300 65200 65100 65000 64900 64800 64700



RRG
WACKER ASSAY RESULTS
Bi
MAX. SYMBOL SIZE = 30ppm

082032

KEY:

74700 74800 74900 75000 75100 75200 75300

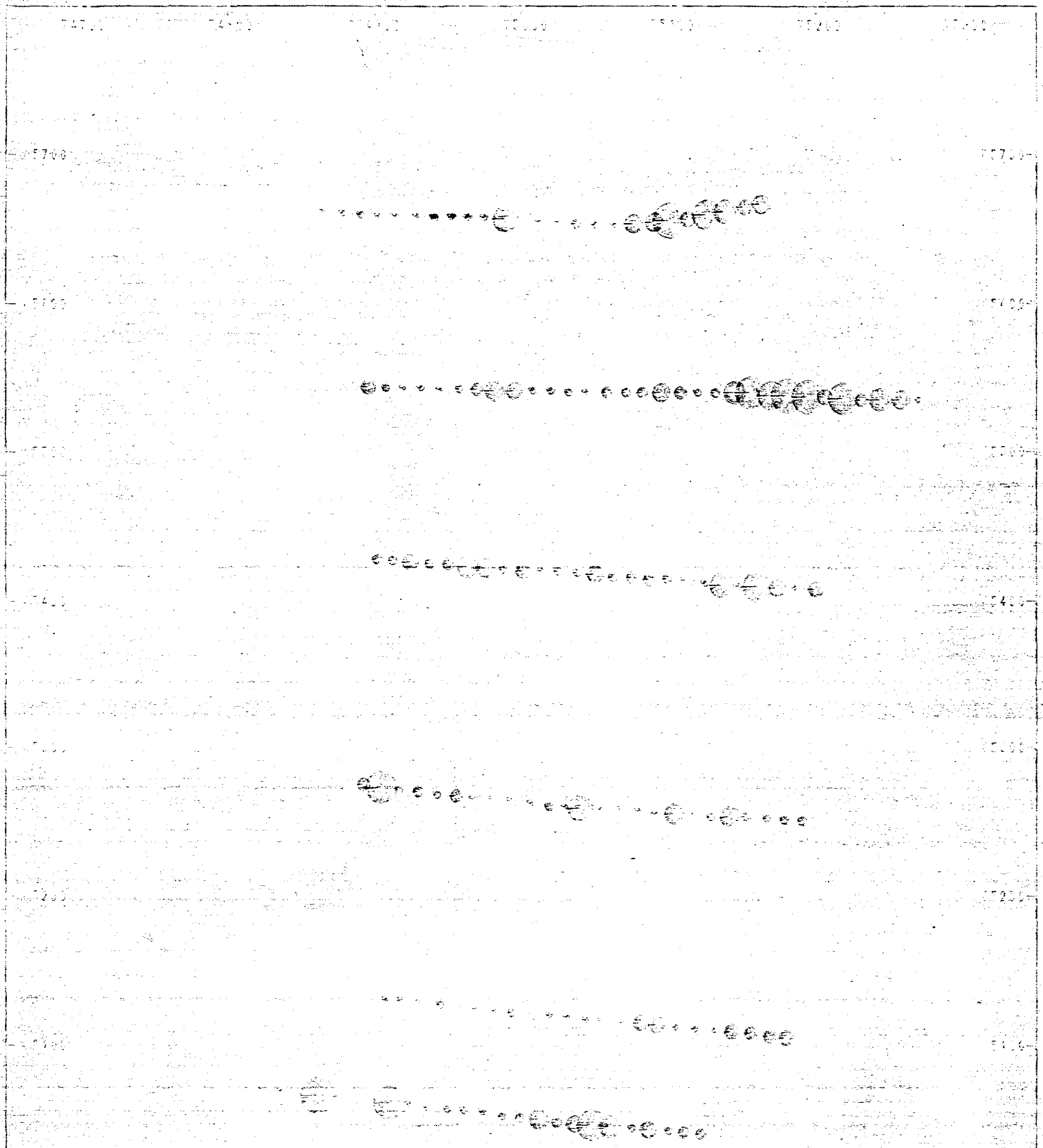
74700 74800 74900 75000 75100 75200 75300

65700 65600 65500 65400 65300 65200 65100 65000 64900 64800 64700

RRG
WACKER ASSAY RESULTS
As
MAX. SYMBOL SIZE = 180ppm

082033

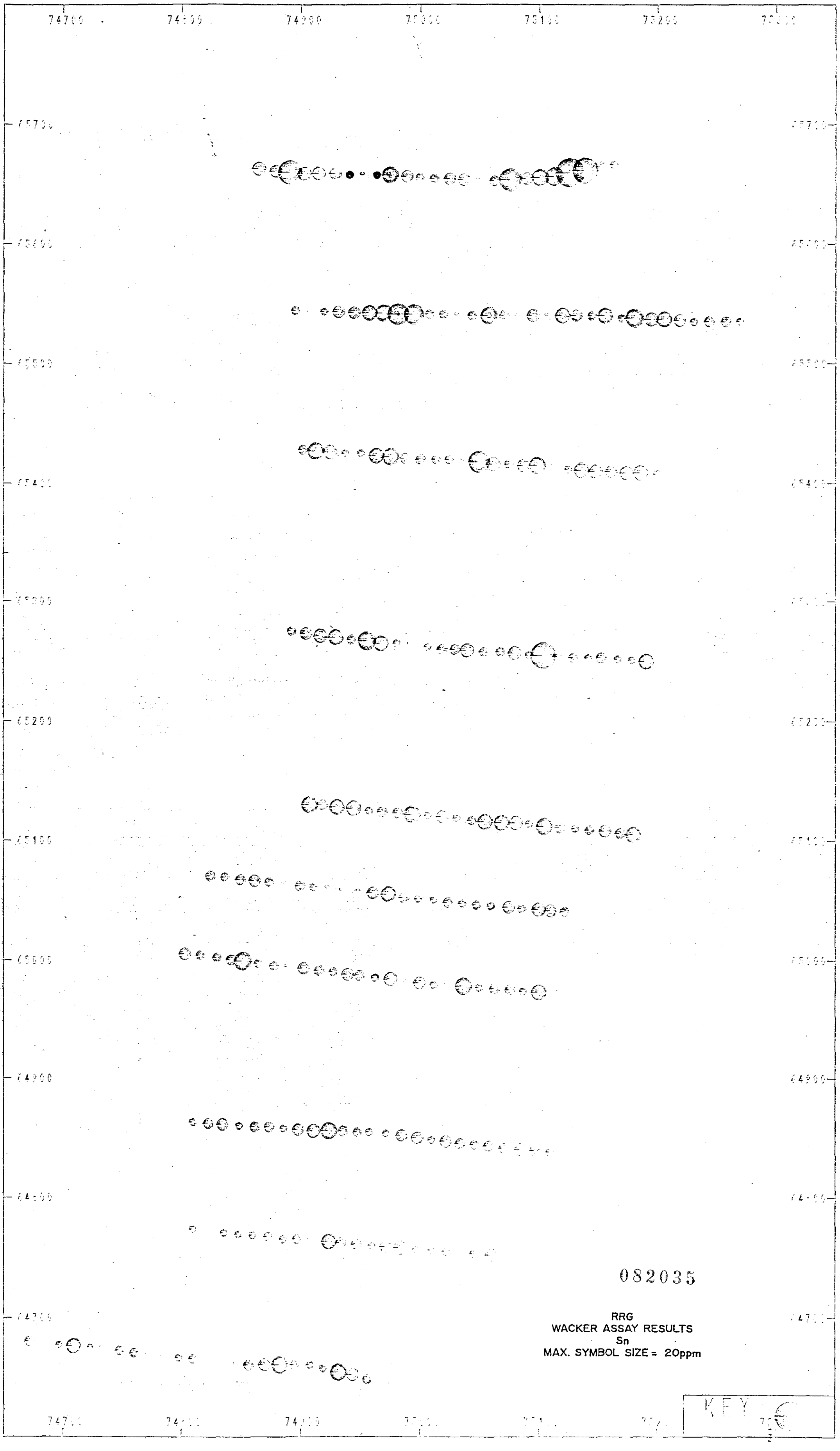
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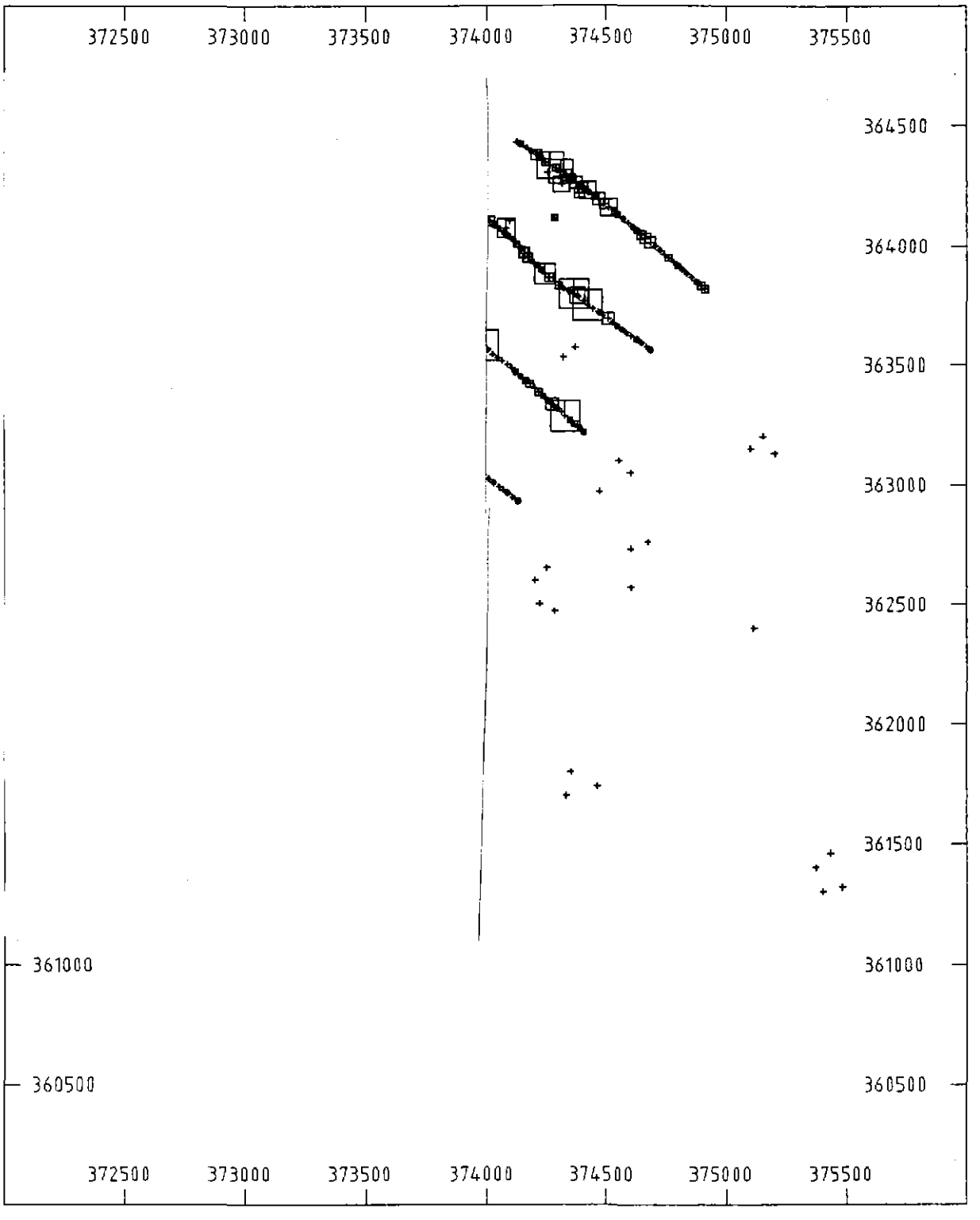
RRG
WACKER ASSAY RESULTS
Sb
MAX. SYMBOL SIZE = 50ppm

082034

Fig. 14


74700
74800
74900
75000
75100
75200
75300
65700
65600
65500
65400
65300
65200
65100
65000
64900
64800
64700
082035
RRG
WACKER ASSAY RESULTS
Sn
MAX. SYMBOL SIZE = 20ppm
KEY

082036



5 cm

UPPER LIMIT 200ppm

RGC EXPLORATION PTY. LTD.

COMPILED	J.C.
DRAWN	M.O.W.
DATE	4/92
CHECKED	
SCALE	1:25000

MT. DUNDAS GRID E.L.101/87 & 13/88

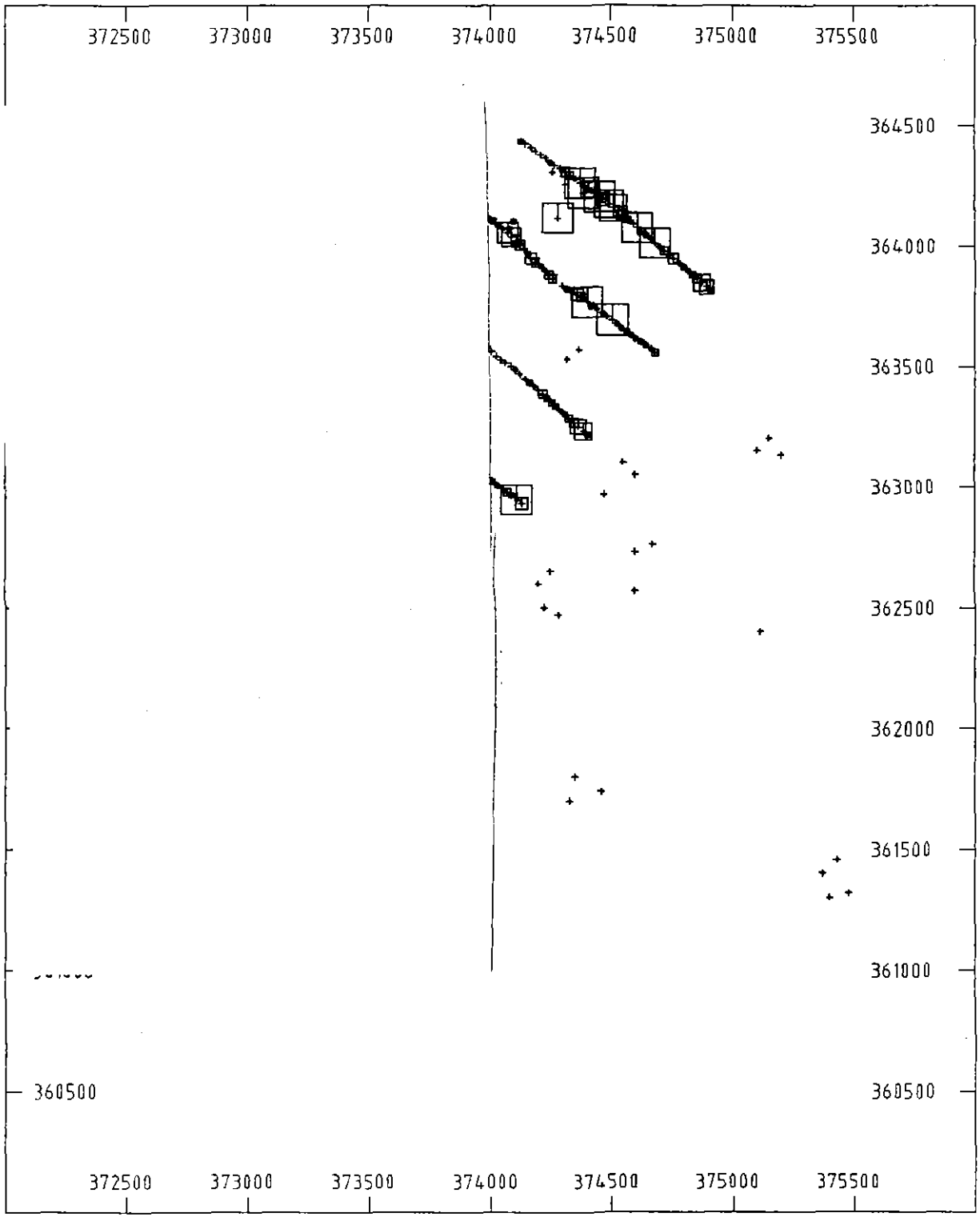
SOIL & ROCK GEOCHEMISTRY

Cu

DRAWING ID. 5522/059

FIG. 13

082037



UPPER LIMIT 200ppm

RGC EXPLORATION PTY. LTD.

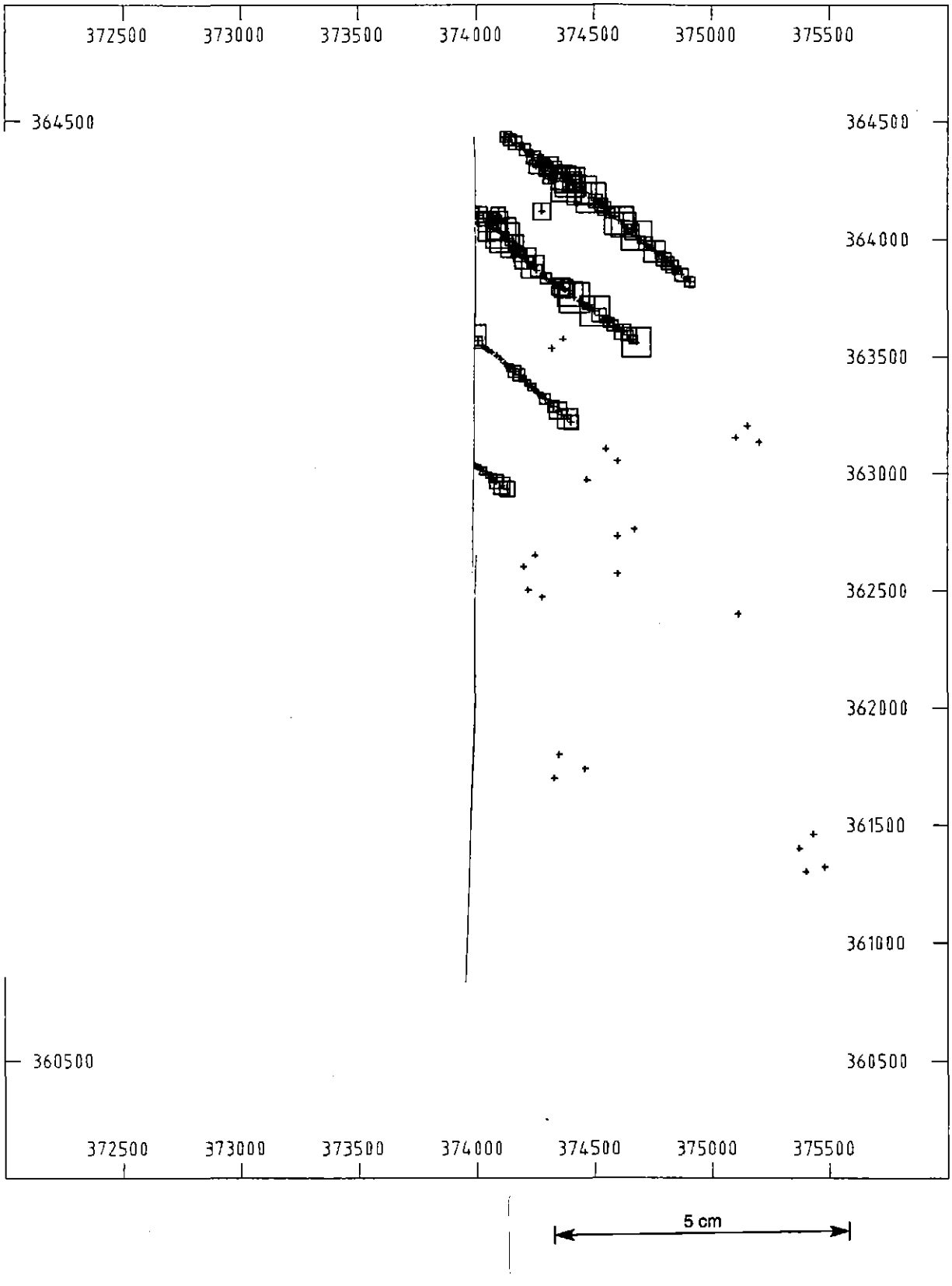
COMPILED	J.C.
DRAWN	M.O.W.
DATE	4/92
CHECKED	
SCALE	1:25000

MT. DUNDAS GRID E.L.101/87 & 13/88

SOIL & ROCK GEOCHEMISTRY

Pb

082038



UPPER LIMIT 250ppm

RGC EXPLORATION PTY. LTD.

COMPILED	J.C.
DRAWN	M.O.W.
DATE	4/92
CHECKED	
SCALE	1:25000

MT. DUNDAS GRID E.L.101/87 & 13/88

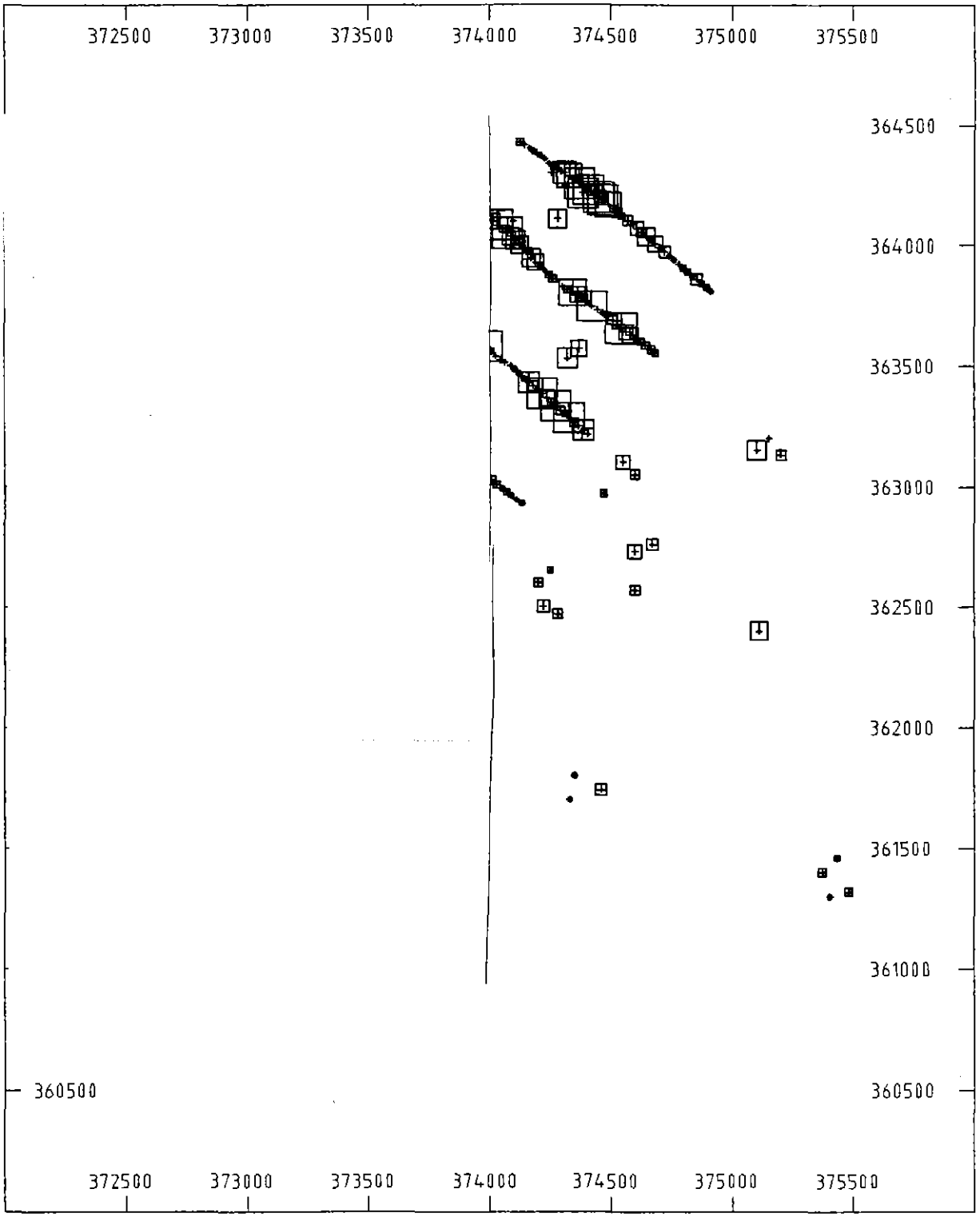
SOIL & ROCK GEOCHEMISTRY

Zn

DRAWING ID. 3522/061

FIG. 15

082039



5 cm

UPPER LIMIT 50ppm

RGC EXPLORATION PTY. LTD.

COMPILED	J.C.
DRAWN	M.O.W.
DATE	4/92
CHECKED	
SCALE	1:25000

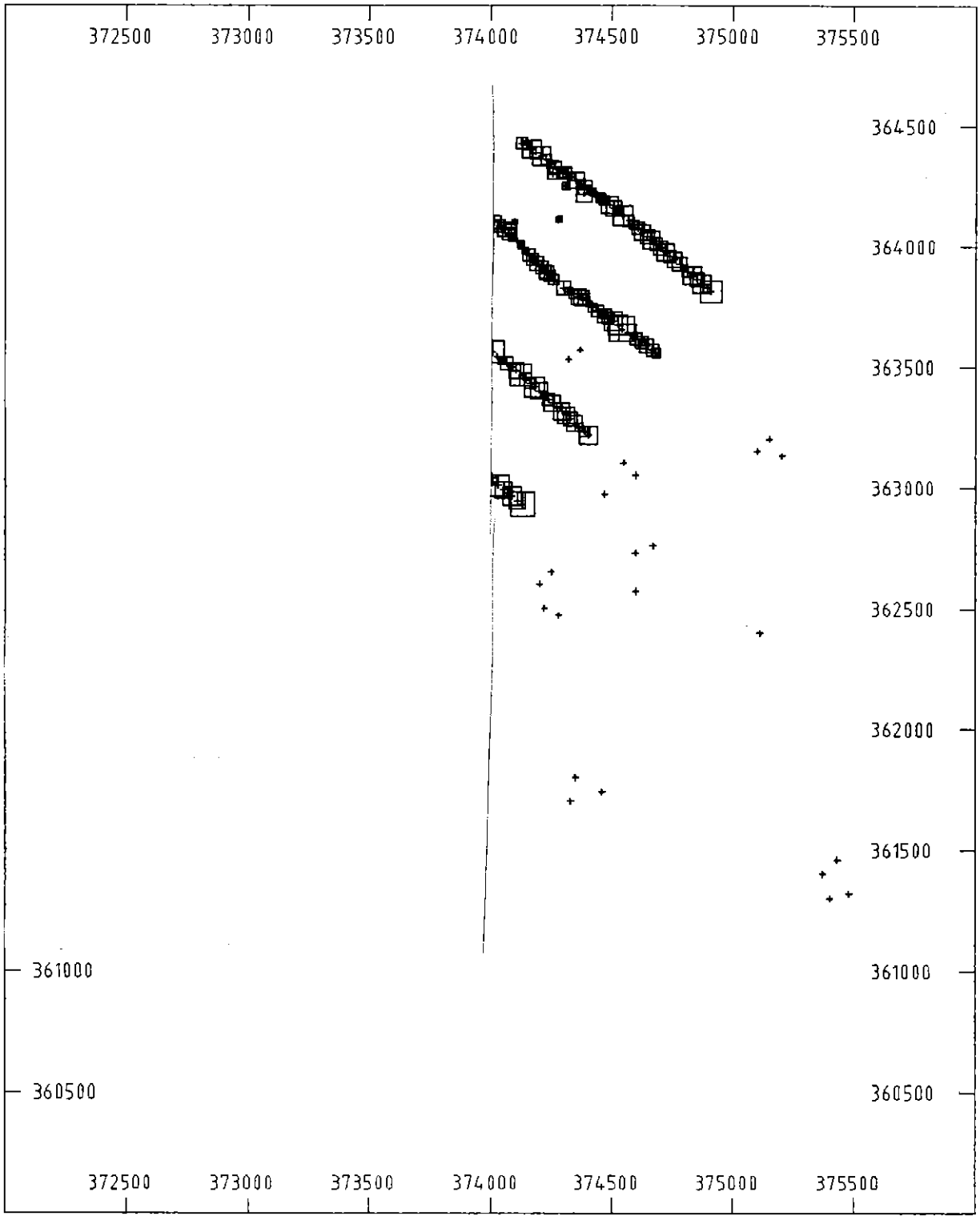
MT. DUNDAS GRID E.L.101/87 & 13/88

SOIL & ROCK GEOCHEMISTRY

As

DRAWING ID 5522/062

FIG 16



5 cm

[1] UPPER LIMIT 20ppm

RGC EXPLORATION PTY. LTD.

COMPILED	J.C.
DRAWN	M.O.W.
DATE	4/92
CHECKED	
SCALE	1:25000

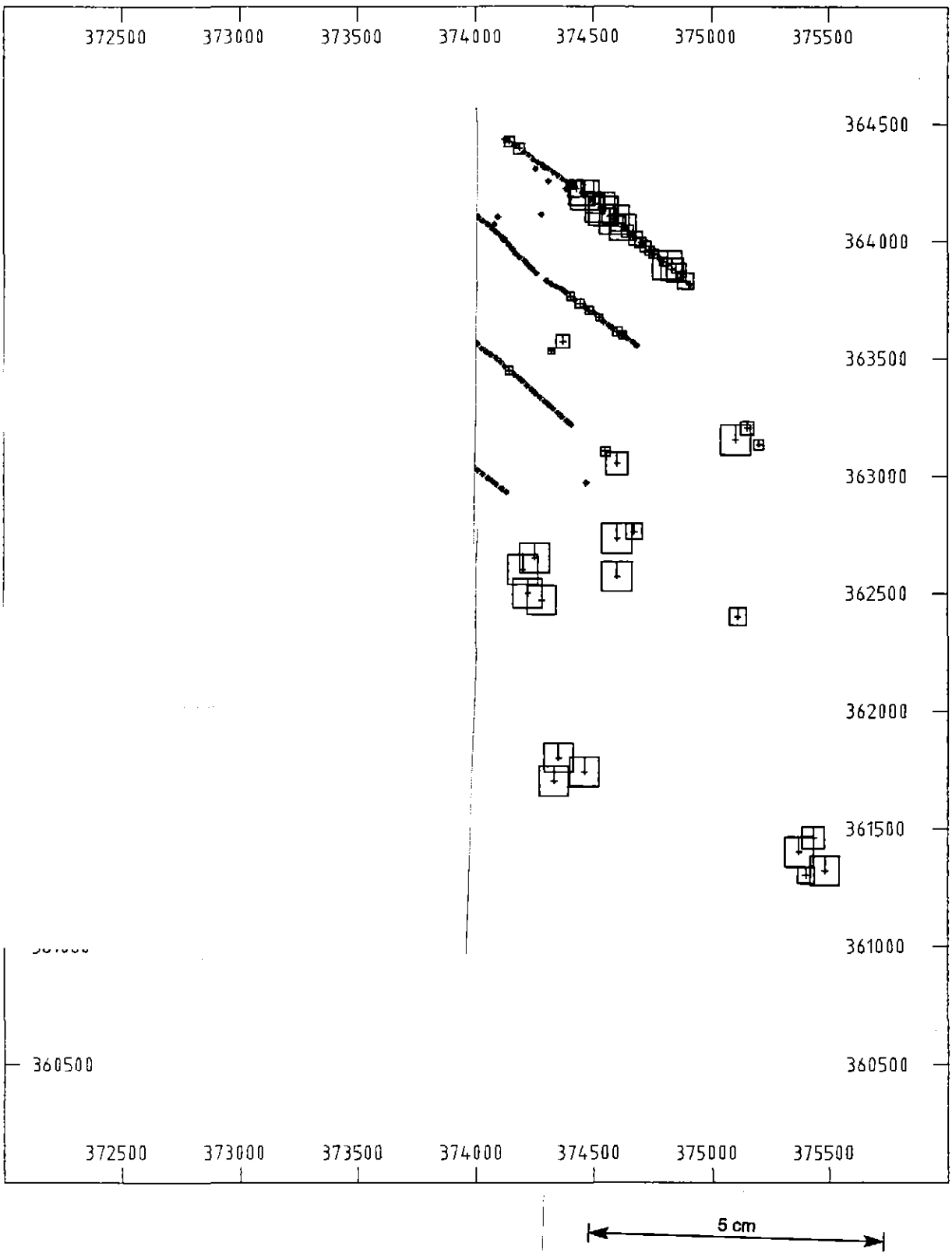
MT. DUNDAS GRID E.L.101/87 & 13/88

SOIL & ROCK GEOCHEMISTRY

Sn

DRAWING ID. 5522/063

FIG. 17



UPPER LIMIT 10ppm

RGC EXPLORATION PTY. LTD.

COMPILED	J.C.
DRAWN	M.O.W.
DATE	4/92
CHECKED	
SCALE	1:25000

MT. DUNDAS GRID E.L.101/87 & 13/88

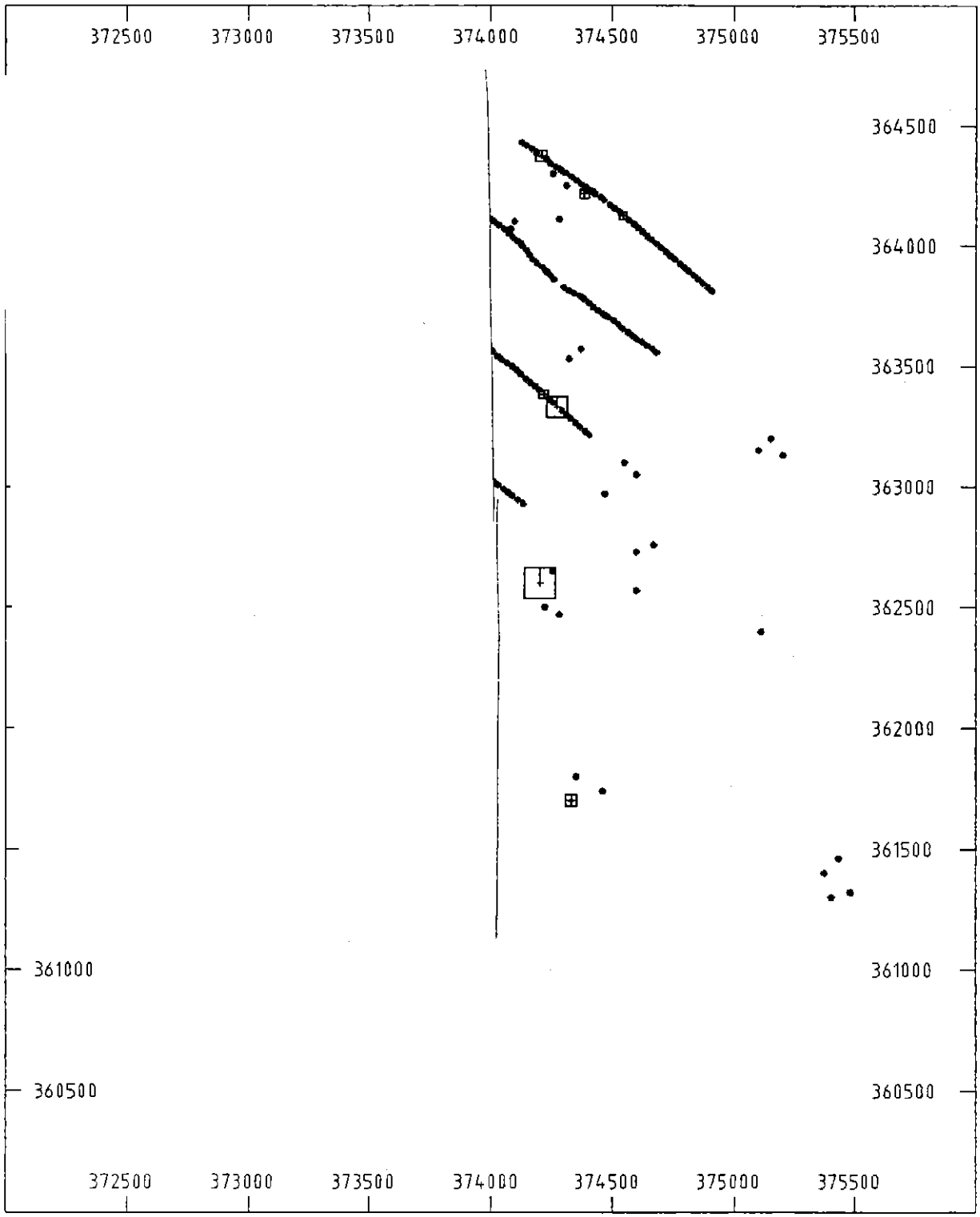
SOIL & ROCK GEOCHEMISTRY

W

DRAWING ID 5522/064

FIG. 18

082042



[1] UPPER LIMIT 20ppb

RGC EXPLORATION PTY. LTD.

COMPILED	J.C.
DRAWN	M.O.W.
DATE	4/92
CHECKED	
SCALE	1:25000

MT. DUNDAS GRID E.L.101/87 & 13/88

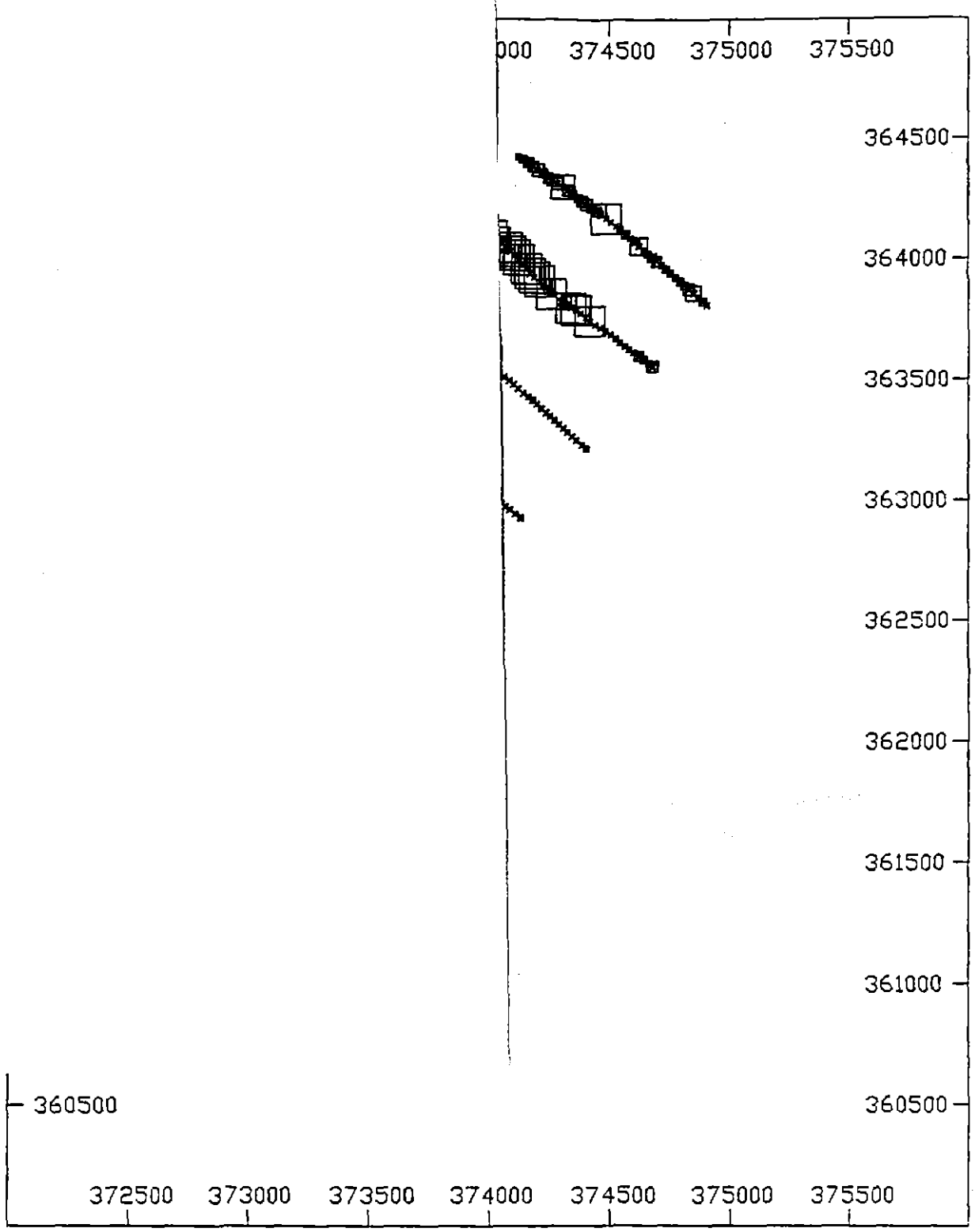
SOIL & ROCK GEOCHEMISTRY

Au

DRAWING ID. 5522/065

FIG. 10

082043



5 cm

UPPER LIMIT 1000ppm

RGC EXPLORATION PTY. LTD.

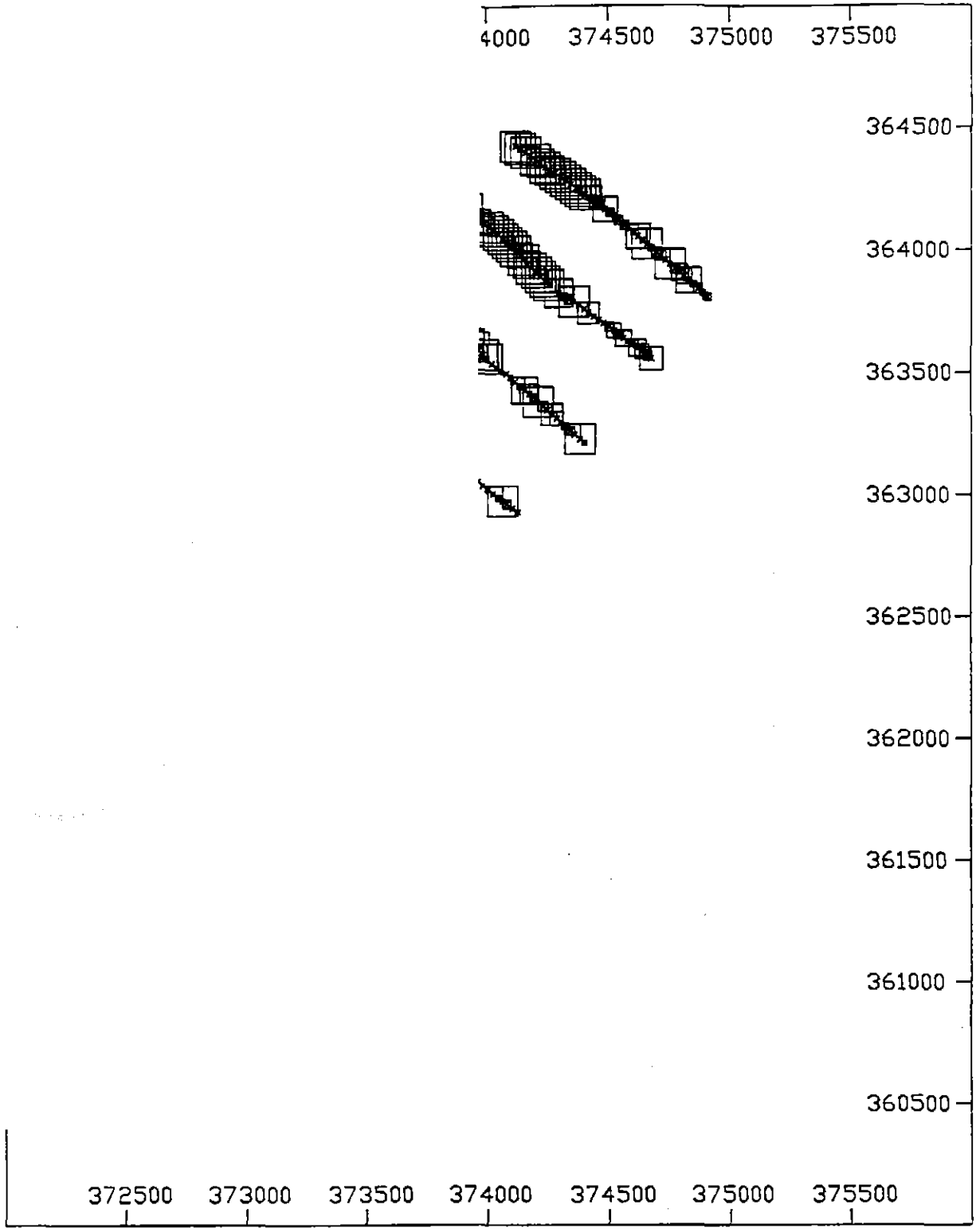
COMPILED	J.C.
DRAWN	M.W.
DATE	6/91
CHECKED	
1:25000 REF.	

MT. DUNDAS GRID
SOIL & ROCK GEOCHEMISTRY

Cr

SCALE 1:25000

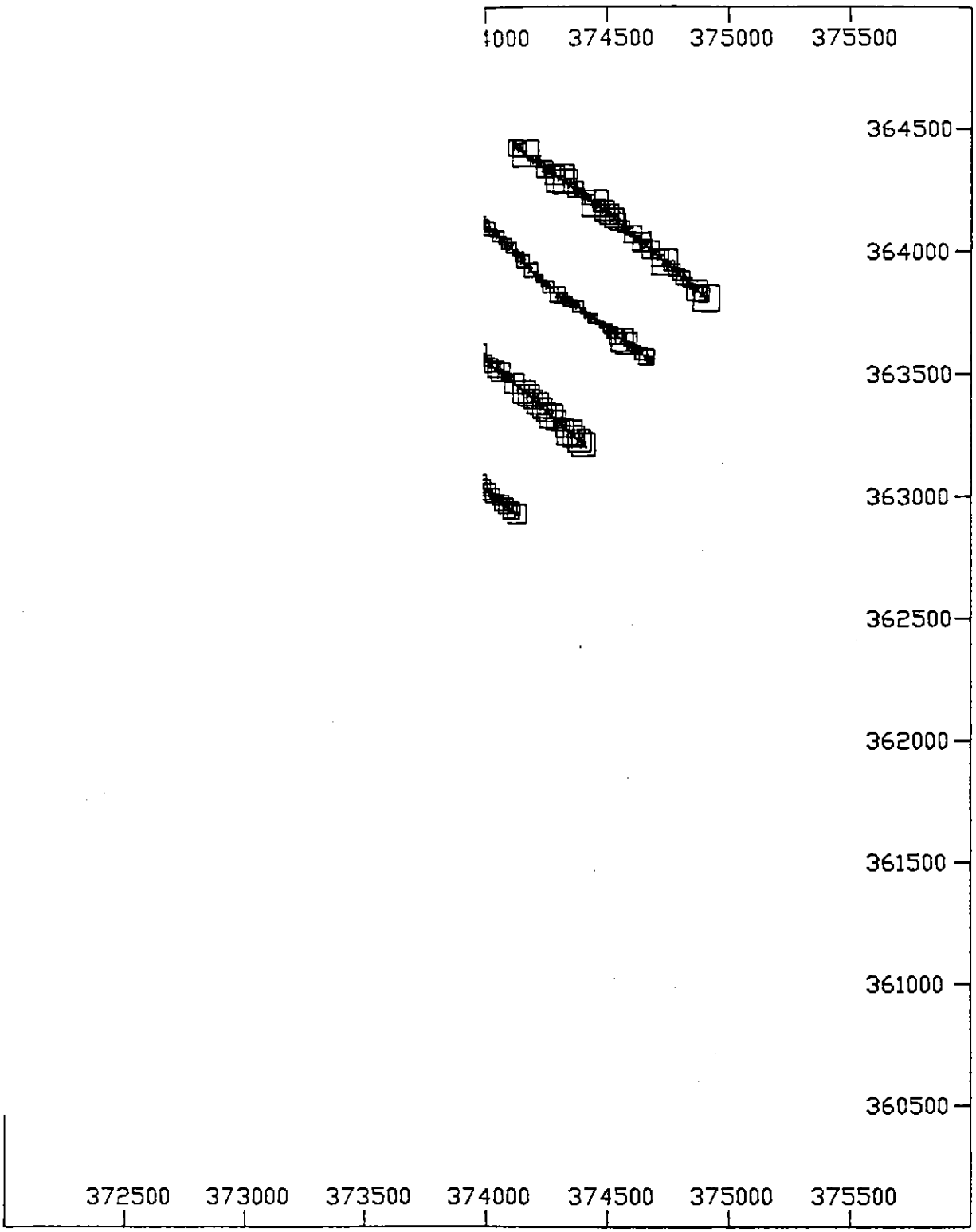
FIG. 20



5 cm

UPPER LIMIT 25ppm

RGC EXPLORATION PTY. LTD.		
COMPILED	J.C.	MT. DUNDAS GRID SOIL & ROCK GEOCHEMISTRY Co
DRAWN	M.W.	
DATE	6/91	
CHECKED		
1:25000 REF.		
SCALE 1:25000		FIG. 21



5 cm

UPPER LIMIT 1000ppm

RGC EXPLORATION PTY. LTD.

COMPILED	J.C.
DRAWN	M.W.
DATE	6/91
CHECKED	
1:25000 REF.	

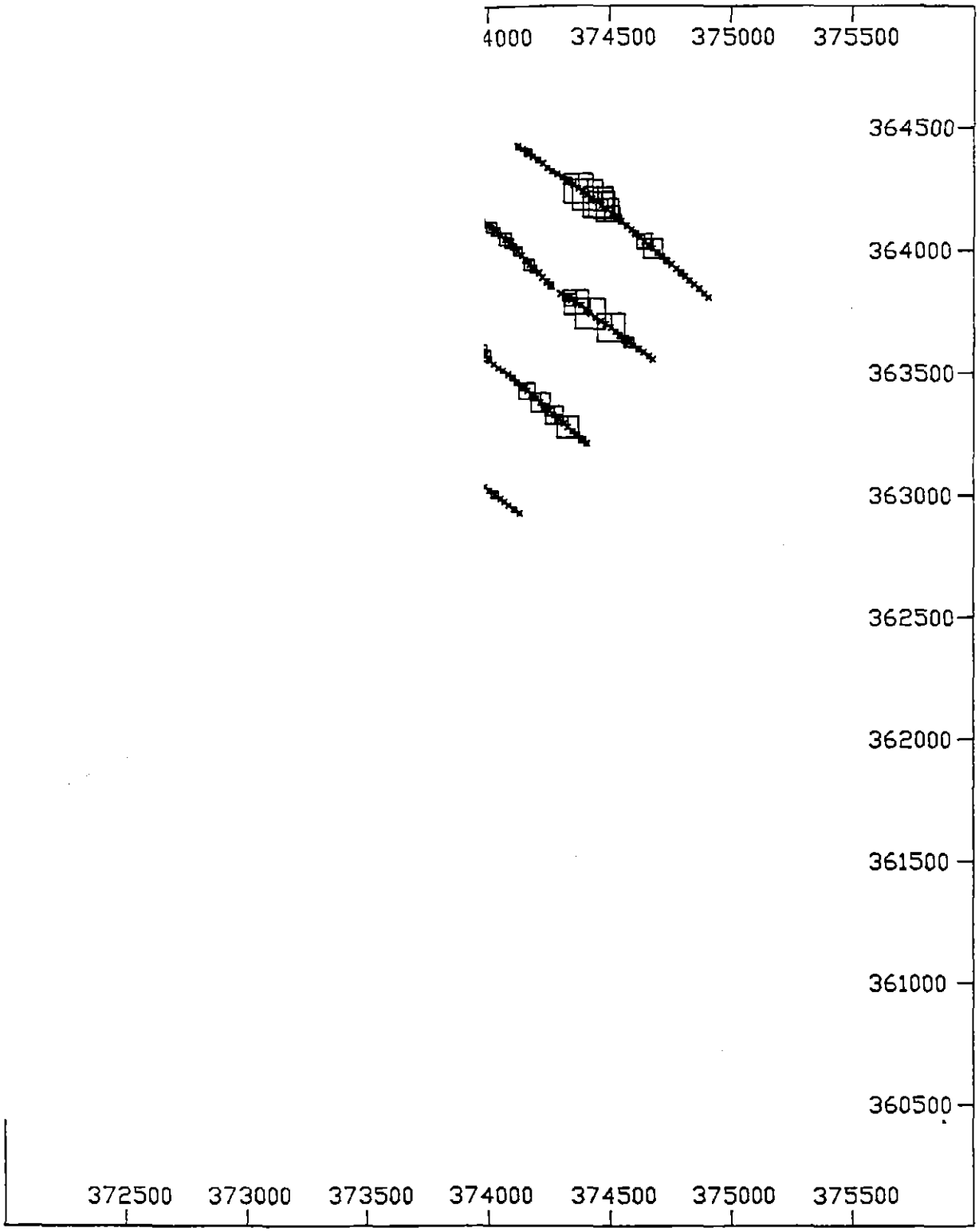
MT. DUNDAS GRID
SOIL & ROCK GEOCHEMISTRY

Ba

SCALE 1:25000

FIG. 23

082046



5 cm

UPPER LIMIT 20ppm

RGC EXPLORATION PTY. LTD.		
COMPILED	J.C.	MT. DUNDAS GRID SOIL & ROCK GEOCHEMISTRY **Sb**
DRAWN	M.W.	
DATE	6/91	
CHECKED		
1:25000 REF.		
SCALE 1:25000		FIG. 23

082047

365 000mE

370 000mE

375 000mE

5 370 000mN

5 365 000mN

ROSEBERY

RENISON BELL

MURCHISON HIGHWAY

EAST RENISON (COMSTAFF)

COLEBROOK HILL

WILLIAMSFORD

GODKIN

MINOPS/ COMSTAFF)

RENISON M.L.

N.E. DUNDAS TRAMWAY

HERCULES

CARBINE (RGC)

RING RIVER (EZ/GETTY)

N. DUNDAS (NCGF)

MONTEZUMA (EZ/CSR)

N.E. DUNDAS TRAMWAY

GRAND (BMR)

PRIZE

BLACK HILL (RGC)

HIGHWAY

SOUTH NEVADA (CSR)

MURCHISON

RAZORBACK (CSR)

RAZORBACK (BMR)

CARBINE (CSR)

MOORES PIMPLE

E.L. 13/88

MONTEZUMA (GEOPHOTO)

DUNDAS GRIDS (GEOPHOTO)

BLACKJACK (AMOCO)

MISERY HILL (CSR)

BLACKJACK (TENNECO)

MT. DUNDAS

5 cm

0 1 2km

LEGEND

BLACKJACK (AMOCO) PREVIOUS GRIDS

PREVIOUS DRILLHOLES

ROAD

TRAMWAY

MAJOR MINE

SMALL MINE

RGC EXPLORATION PTY. LIMITED

INCORPORATED IN NEW SOUTH WALES

COMPILED	
DRAWN	S.N.L
DATE	MAY 1990
CHECKED	
1:250,000 Reference	

E.L. 101/87 & 13/88

PREVIOUS WORK

APPENDIX 1

Stream sediment Sampling Results, 1991/92

RGC EXPLORATION PTY.LTD. DATA SHEET

PROJECT: DUNDAS INC. MONTEZUMA

SAMPLE NUMBER	TNORTH metres	TEAST metres	DEPTHF metres	DEPTHT metres	CODE	SAMPLR	DATE	QCONT	GRID	KIND	VEGCON	SOIL	UNIT	COLOUR	COMPOS	SLOPE	
[redacted]	366755	375415			5524	BS/SH	APR.91		RR	SAC		R	C	UO	CY	3	200
	366755	375405			5524	BS/SH	APR.91		RR	SAC		R	C	AU	CY	2	190
	366705	375475			5524	BS/SH	APR.91		RR	SAC		R	C	OA	CY	5	90
	366705	375465			5524	BS/SH	APR.91		RR	SAC		R	C	3U	CY	4	155
	366705	375455			5524	BS/SH	APR.91		RR	SAC		R	C	2U	CY SN	4	176
	366705	375445			5524	BS/SH	APR.91		RR	SAC		R	C	3A	CY SN	4	170
	366705	375435			5524	BS/SH	APR.91		RR	SAC		R	C	3A	CY SN	4	115
	366705	375425			5524	BS/SH	APR.91		RR	SAC		R	C	OU	CY	4	120
	366705	375415			5524	BS/SH	APR.91		RR	SAC		R	C	OU	CY	3	108
	366705	375405			5524	BS/SH	APR.91		RR	SAC		R	C	OU	CY	3	93
	366705	375395			5524	BS/SH	APR.91		RR	SAC		R	C	OA	CY SN	2	80
	366705	375385			5524	BS/SH	APR.91		RR	SAC		R	C	OA	CY SN	2	120
	366815	375900			5524	BS/SH	APR.91		RR	SAC		R	C	3O	CY	4	269
	366815	375890			5524	BS/SH	APR.91		RR	SAC		R	C	3A	SN SIL	4	240
	366815	375880			5524	BS/SH	APR.91		RR	SAC		R	C	3A	SN SIL	3	200
	366815	375870			5524	BS/SH	APR.91		RR	SAC		R	C	AU	CY SN	4	144
	366815	375860			5524	BS/SH	APR.91		RR	SAC		R	C	3A	CY	3	185
	366815	375850			5524	BS/SH	APR.91		RR	SAC		R	C	OA	CY SN	4	168
	366815	375840			5524	BS/SH	APR.91		RR	SAC		R	C	3A	CY SN	5	100
	366815	375830			5524	BS/SH	APR.91		RR	SAC		R	C	AU	CY	4	136
	366815	375820				BS/SH	APR.91		RR	SAC		R	C	AU	CY SN	3	186
	366815	375810			5524	BS/SH	APR.91		RR	SAC		R	C	YU	CY PEB	2	110
	366815	375800			5524	SH/BS	APR.91		RR	SAC		R	C	YU	CY	3	150
	366815	375790			5524	SH/BS	APR.91		RR	SAC		R	C	OU	CY	5	195
	366815	375780			5524	SH/BS	APR.91		RR	SAC		R	C	3A	CY	4	131
	366815	375770				SH/BS	APR.91		RR	SAC		R	C	AO	CY	4	127
	366815	375760			5524	SH/BS	APR.91		RR	SAC		R	C	3O	CY SN	5	155
	366815	375750			5524	SH/BS	APR.91		RR	SAC		R	C	AO	CY SN	3	78
	366815	375740			5524	SH/BS	APR.91		RR	SAC		R	C	O	CY	5	290
	366815	375730			5524	SH/BS	APR.91		RR	SAC		R	C	U	CY	4	105
	366815	375720			5524	SH/BS	APR.91		RR	SAC		R	C	OU	CY	5	296
T 35701	361700	374330			5524	IRBS	.		AMG	SS				1.5 2			
T 35702	361800	374350			5524	IRBS	.		AMG	SS				0.5 1			
T 35703	361740	374460			5524	IRBS	.		AMG	SS				2.0 3			

Laboratory:
Method :
Det. Limit:

082049

PROJECT: DUNDAS INC. MONTEZUMA

SAMPLE NUMBER	TNORTH metres	TEAST metres	DEPTHF metres	DEPTHT metres	CODE	SAMPLR	DATE	QCONT	GRID	KIND	VEGCON	SOIL	UNIT	COLOUR	COMPOS	SLOPE
T 35704	362600	374200			5526	JCBS	MAY.91		AMG	SS			M	2	2	025300
	Remark:1st order creek,permanent,steep (dominantly coarse fraction).															
T 35705	362550	374250			5526	JCBS	MAY.91		AMG	SS			M	2.0	1	014500
	Remark:1st ORDER CREEK,STEEP,MODERATE AND COARSE SEDIMENTS.															
T 35706	362500	374220			5526	JCBS	MAY.91		AMG	SS				0.8	2	014500
	Remark:1st ORDER CREEK.															
T 35707	362470	374280			5526	JCBS	MAY.91		AMG	SS				0.8	2	014500
	Remark:1st ORDER CREEK, ROCKY OUTCROP IN BED.															
T 35708	362570	374600			5526	JCBS	MAY.91		AMG	SS				1.5	10	330200
	Remark:2nd ORDER CREEK.															
T 35709	362760	374670			5526	JCBS	MAY.91		AMG	SS				0.8	1	014500
	Remark:1st ORDER CREEK.															
T 35710	362730	374600			5526	JCBS	MAY.91		AMG	SS				1	5	225000
	Remark:2nd ORDER CREEK.															
T 35712	361300	375400			5526	BSNP	MAY.91		AMG	SS				0.3	.5	
	Remark:COARSE SAND.															
T 35713	361320	375480			5526	BSNP	MAY.91		AMG	SS				0.3	2	
	Remark:COARSE SAND.															
T 35714	361400	375370			5526	BSNP	MAY.91		AMG	SS				0.5	1	
	Remark:COARSE SAND.															
T 35715	361460	375430			5526	BSNP	MAY.91		AMG	SS				0.2	2	
	Remark:COARSE SAND															
T 35716	363150	375100			5526	BSNP	MAY.91		AMG	SS				0.5	.7	
	Remark:GRAVEL.															
T 35717	363200	375150			5526	BSNP	MAY.91		AMG	SS				0.2	.4	
	Remark:COARSE SAND/GREYISH WHITE.															
T 35718	363130	375200			5526	BSNP	MAY.91		AMG	SS				0.4	2	
	Remark:GRAVEL.															
T 35719	362400	375110			5526	BSNP	MAY.91		AMG	SS				.5	1	
	Remark:SILTY.															
T 35721	363100	374550			5526	BSNP	AUG.91		AMG	SS				1	2	
	Remark:PEBBLY.															
T 35722	363050	374600			5526	BSNP	AUG.91		AMG	SS				0.3	.3	
	Remark:SANDY.															

Laboratory:
Method :
Det. Limit:

080050

PROJECT: DUNDAS INC. MONTEZUMA

SAMPLE NUMBER	TNORTH metres	TEAST metres	DEPTHF metres	DEPTHT metres	CODE	SAMPLR	DATE	UCONT	GRID	KIND	VEGCON	SOIL	UNIT	COLOUR	COMPOS	SLOPE
T 35723	362970	374470			5526	BSNP	AUG.91		AMG	SS				.2	.5	
	Remark:SAND/SILT.															
T 35724	363570	374370			5526	BSNP	AUG.91		AMG	SS				.2	1	
	Remark:SANDY.															
T 35725	363530	374320			5526	BSNP	AUG.91		AMG	SS				1	2	
	Remark:GRAVELY.															
[redacted]	364200	374455			5522	JC	JAN.92		AMG	RC		CONG	Cd	FUFE		
	Remark:Limonitic.															
	364225	374420			5522	JC	JAN.92		AMG	RC		CONG	Cd	MSPYFU		
	Remark:Limonitic with disseminated pyrite.															
	364235	374400			5522	JC	JAN.92		AMG	RC		CONG	Cd	FE		
[redacted]	364305	374295			5522	JC	JAN.92		AMG	RC		CONG	Cd	FE		
[redacted]	364215	374385			5522	JC	JAN.92		AMG	RC		CONG	Cd	CBPY	GLJA	
	Remark:GL-JA-carbonate rich bands(veins?) in CONG.															
	364250	374310			5522	JC	JAN.92		AMG	RC		CONG		PYCB		
	Remark:101m from start of Moores Pimple walking track (N.end).															
	364300	374255			5522	JC	JAN.92		AMG	RC		CONG		PY		
	Remark:180m from start of Moores Pimple walking track.															
	364110	374280			5522	JC	JAN.92		AMG	RC		FALT				
	Remark:Rosebery thrust fault, forming contact between Cong and felsic volc's.															
	363785	374375			5522	JC	JAN.92		AMG	RC		FELS	Cd	PY		
	Remark:Felsic volcanic with disseminated pyrite.															
	363710	374470			5522	JC	JAN.92		AMG	RC		FELS	Cd	PY		
	363890	374230			5522	JC	JAN.92		AMG	RC		FELS		PY		
	363965	374155			5522	JC	JAN.92		AMG	RC		ROCK		SIFUPY		
	364010	374120			5522	JC	JAN.92		AMG	RC		CHER		PYFE		
	Remark:Cherty with 10% Pyrite and pyrite boxworks ? altered ultramafic.															
	364070	374080			5522	JC	JAN.92		AMG	RC		ROCK	Cd	PY		
	Remark:Altered ? felsic rock.															
	364100	374095			5522	JC	JAN.92		AMG	RC		ROCK		FUPY		
	Remark:V.silicified, fuchsitic, pyritic altered rock(alt U.matic?) goss patch															

Laboratory:
Method :
Det. limit:

082051

RGC EXPLORATION PTY.LTD. DATA SHEET

PROJECT: DUNDAS INC. MONTEZUMA

SAMPLE NUMBER	NORTH metres	EAST metres	CU PPM	PB PPM	ZN PPM	SN PPM	AU PPB	AG PPM	TA PPM	TH PPM	W PPM	U PPM	YB PPM	RB PPM	SB PPM	AS PPM
[redacted]			-5	260	10	4	-5	1	1	8.4	-2	-2	2.0	87	4.8	-2
			5	65	45	3	-5	0	1	9.1	-2	2	2.3	36	15.5	11
			5	40	10	-3	-5	0	1	9.4	-2	2	2.4	47	7.9	2
			5	35	5	4	-5	1	1	12.1	3	-2	2.3	93	13.0	-2
			5	60	15	3	-5	1	1	15.4	-2	2	3.1	117	5.2	-2
			15	85	40	-3	-5	1	1	11.8	2	-2	2.3	127	34.0	12
			5	35	10	-3	-5	0	1	16.3	-2	2	3.2	37	5.5	-2
			20	135	80	-3	-5	2	1	12.0	-2	-2	2.5	162	66.0	35
			10	45	30	3	-5	2	1	10.8	2	-2	2.2	150	106.0	25
			5	25	20	3	-5	3	1	11.9	-2	2	2.3	195	20.4	4
			5	40	20	5	-5	1	1	13.6	2	2	2.7	113	18.3	7
			5	25	10	-3	-5	1	1	14.0	3	2	2.5	93	6.1	2
			5	50	15	5	-5	1	1	13.9	3	3	2.4	96	34.9	7
			5	15	10	8	-5	1	1	13.2	4	-2	2.4	76	92.1	23
			10	85	25	4	-5	2	-1	10.2	-2	3	2.1	117	89.5	35
			30	255	290	-3	-10	2	-1	11.0	-2	-2	1.2	120	915.0	150
			20	130	75	4	-5	2	1	12.6	2	-2	2.0	113	119.0	54
T 35701							7	-5	1	13.2	339	2	2.6	60	0.9	6
T 35702							-5	-5	1	11.3	539	-2	2.9	86	1.0	7
T 35703							-5	-5	-1	7.3	47	-2	1.9	71	1.3	17
T 35704							31	-5	1	13.3	462	2	2.5	93	1.8	14
T 35705							-5	-5	1	15.0	21	2	3.0	112	1.5	9
T 35706							-5	-5	-1	13.0	22	2	2.2	118	1.9	19
T 35707							-5	-5	1	14.5	10	2	3.1	111	1.7	15
T 35708							-5	-5	-1	12.8	26	2	2.4	100	1.8	14
T 35709							-5	-5	1	12.9	5	2	2.6	108	1.9	18
T 35710							-5	-5	1	12.3	25	2	2.4	91	3.2	22
T 35712							-5	-5	1	13.6	5	2	2.7	107	0.9	6
T 35713							-5	-5	1	14.3	14	3	2.9	99	1.1	12
T 35714							-5	-5	1	13.3	13	2	3.2	106	1.0	13
T 35715							-5	-5	1	13.0	7	2	3.5	85	1.0	8
T 35716							-5	-5	-1	13.5	19	2	2.7	91	2.1	31
T 35717							-5	-5	1	12.7	4	2	2.7	61	0.8	2
T 35718							-5	-5	1	13.9	3	2	2.9	85	1.6	16
T 35719							-5	-5	-1	12.3	5	2	2.6	101	2.0	28
Laboratory:			ANALAB	ANALAB	ANALAB	ANALAB	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ
Method :			101	101	101	401	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30
Det. Limit:			5.000	5.000	5.000	3.000	5.000	5.000	1.000	0.500	2.000	2.000	0.500	1.000	0.200	2.000

080259

PROJECT: DUNDAS INC. MONTEZUMA

SAMPLE NUMBER	NORTH metres	EAST metres	CU PPM	PB PPM	ZN PPM	SN PPM	AU PPB	AG PPM	TA PPM	TH PPM	W PPM	U PPM	Y8 PPM	RB PPM	SB PPM	AS PPM
T 35721							-5	-5	1	11.7	3	-2	2.6	95	3.2	22
T 35722							-5	-5	1	14.6	7	2	3.2	98	2.1	14
T 35723							-5	-5	1	14.4	-2	2	2.6	113	1.7	11
T 35724							-5	-5	1	12.9	4	2	2.5	88	3.9	25
T 35725							-5	-5	1	12.7	2	2	3.0	93	5.4	32
[redacted]			32	77	33	6	-5	-5	1	6.0	-2	6	4.2	92	18.2	18
			114	11	93	5	-5	-5	-1	-0.5	-2	-2	1.6	42	2.5	16
			68	20	273	5	-5	-5	2	6.6	-2	-2	3.7	66	1.5	5
			17	-5	86	7	-5	-5	1	5.3	-2	-2	2.8	61	0.8	-1
			65	1980	2580	10	6	-5	-1	3.8	-2	-2	2.1	68	47.2	161
			106	-5	90	5	-5	-5	1	4.9	-2	-2	3.0	45	1.6	4
			8	-5	114	7	-5	-5	-1	5.1	-2	-2	2.9	56	0.4	1
			40	370	143	4	-5	-5	1	17.9	-2	4	2.8	96	8.3	30
			105	57	153	10	-5	-5	-1	19.8	-2	2	2.5	100	3.9	17
			-5	20	58	9	-5	-5	2	20.2	-2	5	2.5	51	1.2	3
			27	6	51	9	-5	-5	-1	-0.5	-2	-2	1.0	97	0.2	1
			73	-5	66	8	-5	-5	-1	-0.5	-2	-2	-0.5	44	0.8	3
			8	12	69	5	-5	-5	-1	-0.5	-2	-2	-0.5	-20	1.0	16
			121	-5	106	7	-5	-5	2	4.7	-2	-2	3.5	81	0.7	7
			-5	28	119	3	-5	-5	-1	-0.5	-2	-2	-0.5	-20	1.6	3

Laboratory:	ANALAB	ANALAB	ANALAB	ANALAB	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ		
Method :	101	101	101	401	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30		
Det. Limit:	5.000	5.000	5.000	3.000	5.000	5.000	1.000	0.500	2.000	2.000	0.500	1.000	0.200	2.000		

0820053

PROJECT: DUNDAS INC. MONTEZUMA

SAMPLE NUMBER	NORTH metres	EAST metres	BA PPM	MO PPM	LU PPM	BR PPM	CE PPM	CS PPM	CR PPM	CO PPM	EU PPM	HF PPM	FE %	LA PPM	IR PPB	SM PPM	SC PPM
[redacted]			653	-5	0.4	2	71	4	11	-1	1	4	0.52	36.2	-20	6.2	6.6
			375	-5	0.5	14	30	1	10	1	-0	8	0.89	16.5	-20	2.4	9.1
			349	-5	0.5	9	60	2	19	-1	1	8	0.48	30.9	-20	4.8	7.5
			673	-5	0.5	6	98	3	37	-1	1	5	0.89	49.1	-20	7.3	6.6
			1250	-5	0.7	8	110	4	30	-1	1	6	0.86	54.6	-20	8.3	7.0
			615	-5	0.5	41	88	7	102	5	1	4	2.13	42.9	-20	7.1	12.6
			456	-5	0.7	6	89	2	20	-1	0	4	0.53	44.6	-20	5.9	3.8
			523	-5	0.5	23	82	10	161	13	1	4	3.57	39.3	-20	7.3	17.6
			492	-5	0.5	22	85	9	151	1	1	4	2.77	41.7	-20	7.2	15.5
			631	-5	0.5	12	86	10	181	-1	1	5	1.84	42.3	-20	7.2	19.0
			379	-5	0.6	24	117	7	79	-1	1	5	1.60	57.4	-20	8.9	11.5
			330	-5	0.5	12	119	5	56	-1	1	5	0.67	59.9	-20	8.4	8.5
			370	-5	0.5	16	112	5	45	-1	1	4	1.84	55.2	-20	7.8	8.8
			339	-5	0.6	9	121	6	55	-1	1	5	2.03	60.0	-20	8.3	7.6
			535	-5	0.4	12	85	4	37	-1	1	4	3.21	43.8	-20	6.3	15.2
			626	-5	0.5	58	67	9	71	83	0	3	10.50	29.6	-20	5.1	17.2
			565	-5	0.4	33	84	5	78	13	1	4	4.78	40.8	-20	6.2	13.1
35701			261	11	0.5	37	100	4	126	18	1	15	2.22	44.2	-20	9.2	8.2
35702			388	18	0.8	46	88	4	183	2	0	16	2.06	45.0	-20	8.1	10.9
35703			352	-5	0.3	24	48	4	144	41	0	4	4.31	24.3	-20	4.5	10.5
35704			453	16	0.5	55	89	4	218	22	-1	10	4.27	48.3	-20	8.3	11.5
35705			536	-5	0.7	58	119	5	104	2	1	7	2.23	53.9	-20	9.4	15.5
35706			504	-5	0.4	71	87	5	83	15	1	5	4.96	39.9	-20	7.1	15.4
35707			522	-5	0.6	45	120	6	114	5	0	6	3.78	52.9	-20	9.4	16.4
35708			480	-5	0.5	67	98	5	102	20	0	5	4.34	44.6	-20	7.7	14.8
35709			527	-5	0.5	83	95	6	190	37	0	5	5.22	43.7	-20	7.7	15.9
35710			420	-5	0.6	59	92	6	286	32	-0	7	4.90	44.4	-20	7.4	13.5
35712			696	-5	0.6	44	80	6	68	2	0	10	1.14	38.9	-20	7.2	11.2
35713			776	-5	0.5	38	69	5	97	2	0	11	1.57	31.9	-20	6.4	8.4
35714			701	-5	0.6	65	85	6	91	2	0	8	2.78	38.9	-20	6.8	12.3
35715			642	-5	0.7	21	77	5	91	-1	-0	10	1.50	37.1	-20	6.5	10.3
35716			556	-5	0.6	48	107	5	176	30	0	7	5.15	48.6	-20	8.1	13.6
35717			672	-5	0.5	30	96	3	31	-1	0	8	0.44	47.3	-20	6.7	6.9
35718			549	-5	0.6	31	115	5	144	7	1	9	3.00	54.4	-20	8.8	12.1
35719			588	-5	0.6	45	87	6	104	14	-0	7	5.70	43.5	-20	6.8	14.7
Laboratory:			BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ
Method :			INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30
Det. Limit:			1.000	5.000	0.100	2.000	5.000	1.000	5.000	1.000	1.000	1.000	0.050	0.500	1.000	0.100	0.100

080254

RGC EXPLORATION PTY.LTD. DATA SHEET

PROJECT: DUNDAS INC. MONTEZUMA

SAMPLE NUMBER	NORTH metres	EAST metres	BA PPM	MO PPM	LU PPM	BR PPM	CE PPM	CS PPM	CR PPM	CO PPM	EU PPM	HF PPM	FE %	LA PPM	IR PPB	SM PPM	SC PPM
35721			399	-5	0.6	80	92	6	399	25	0	6	4.87	42.9	-20	6.9	14.9
35722			475	-5	0.7	68	117	6	254	3	1	9	3.39	57.5	-20	9.8	15.5
35723			428	-5	0.5	43	95	5	95	2	0	7	2.38	48.1	-20	8.9	12.3
35724			345	-5	0.5	77	89	7	349	14	1	5	4.89	39.9	-20	7.8	12.1
35725			402	-5	0.5	46	95	6	405	28	1	6	5.68	45.2	-20	7.6	13.7
[redacted]			251	-11	0.6	-2	61	6	220	4	2	3	2.72	30.1	-20	9.8	28.9
			255	-5	0.2	-2	-2	3	719	51	-0	0	6.98	0.8	-20	0.7	37.4
			1100	-5	0.5	3	79	4	227	59	2	6	8.50	37.8	-20	8.6	29.9
			449	-5	0.4	-2	53	3	271	26	1	4	5.89	26.3	-20	5.4	28.6
			154	-5	0.3	-2	31	7	213	21	1	2	13.00	14.5	-20	4.1	21.0
			285	-5	0.4	-2	43	4	300	31	1	3	5.68	19.8	-20	5.2	29.7
			453	-5	0.4	-2	39	4	275	35	1	4	6.60	18.3	-20	4.6	32.8
			263	-5	0.4	2	120	3	72	2	1	4	2.74	71.2	-20	5.3	8.9
			216	-5	0.4	-2	91	3	-5	-1	0	4	1.22	52.2	-20	4.5	1.9
			196	-10	0.4	-2	103	2	11	7	0	4	0.77	54.8	-20	5.6	2.2
			340	-5	-0.2	-2	-2	7	300	23	-0	0	3.29	0.6	-20	0.5	36.1
			246	-5	-0.2	-2	-2	5	2300	69	-0	-0	3.89	-0.5	-20	0.3	22.8
			-100	-5	-0.2	-2	-2	-1	2280	86	-0	-0	3.15	-0.5	-20	-0.2	1.8
			304	-5	0.5	-2	62	4	138	82	2	5	6.75	29.1	-20	7.9	31.3
			-100	-5	-0.2	-2	-2	-1	2670	39	-0	-0	3.38	-0.5	-20	0.3	2.2
Laboratory:			BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ
Method :			INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30
Det. Limit:			1.000	5.000	0.100	2.000	5.000	1.000	5.000	1.000	1.000	1.000	0.050	0.500	1.000	0.100	0.100

080263

[redacted]ON ACTIVATION ANALYSIS

082056

ACTIVATION ANALYSIS REPORT

MP S/Sev.

Date: 31-07-91

EXPLORATION PTY. LTD., TASMANIA

BECQUEREL JOB # 420

NOTE: - A NEGATIVE SIGN INDICATES "LESS THAN".
- RESULTS ARE IN PARTS PER MILLION (ppm) UNLESS OTHERWISE INDICATED.
- ALL SAMPLE NUMBERS PREFIXED "T".

ELEMENT	DL	# 35701	# 35702	# 35703	# 35704	# 35705	# 35706	# 35707	# 35708	# 35709	# 35710
ANTIMONY	.2	.93	1.02	1.32	1.84	1.48	1.93	1.65	1.78	1.89	3.24
ARSENIC	2.0	6.06	7.12	17.70	14.50	9.55	19.50	15.80	14.90	18.50	22.80
BARIUM	100.0	261.0	388.0	352.0	453.0	536.0	504.0	622.0	480.0	527.0	420.0
BROMINE	2.0	37.10	46.50	24.50	55.50	58.50	71.40	45.10	67.20	83.40	59.10
CERIUM	2.0	100.00	88.60	48.60	89.60	119.00	87.50	120.00	98.00	95.30	92.90
CAESIUM	1.0	4.03	4.44	4.47	4.68	5.99	5.73	6.17	5.71	6.98	6.06
CHROMIUM	5.0	126.0	183.0	144.0	218.0	104.0	83.2	114.0	102.0	190.0	286.0
COBALT	1.0	18.30	2.70	41.90	22.60	2.60	15.60	5.31	20.30	37.00	32.10
EUROPIUM	.5	1.30	.67	.80	-1.10	1.30	1.10	.75	.65	.99	-.50
GOLD, ppb	5.0	7.5	-5.0	-5.0	31.5	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
HAFNIUM	1.0	15.50	16.80	4.25	10.00	7.96	5.20	6.62	5.79	5.95	7.83
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	2.220	2.060	4.310	4.270	2.230	4.960	3.780	4.340	5.220	4.900
LANTHANUM	.5	44.20	45.00	24.30	48.30	53.90	39.90	52.90	44.60	43.70	44.40
LUTETIUM	.2	.46	.80	.28	.46	.65	.39	.63	.52	.54	.55
MOLYBDENUM	5.0	11.1	18.8	-5.0	16.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
POTASSIUM, % K	.2	1.100	1.300	1.160	1.370	1.770	1.890	1.750	1.900	2.050	1.310
[redacted]BIDIUM	20.0	60.3	86.5	71.6	93.4	112.0	118.0	111.0	100.0	108.0	91.4
SAMARIUM	.20	9.21	8.12	4.50	8.31	9.36	7.11	9.40	7.71	7.70	7.43
SCANDIUM	.10	8.23	10.90	10.50	11.50	15.50	15.40	16.40	14.80	15.90	13.50
SELENIUM Se	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
SILVER	5.0	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00
SODIUM, % Na	.01	.380	.252	.350	.359	.391	.391	.379	.354	.374	.345
TANTALUM	1.0	1.43	1.05	-1.00	1.01	1.42	-1.00	1.31	-1.00	1.23	1.52
THORIUM	.5	13.20	11.30	7.34	13.30	15.00	13.00	14.50	12.80	12.90	12.30
TIN Sn	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	339.00	539.00	47.60	462.00	21.40	22.80	10.70	26.60	5.29	25.50
URANIUM	2.0	2.23	-2.00	-2.00	2.23	2.43	2.23	2.41	2.22	2.15	2.09
YTTERBIUM	.5	2.57	2.94	1.87	2.50	3.03	2.23	3.11	2.39	2.56	2.36
ZINC Zn	100.0	-100.0	-100.0	-100.0	222.0	-100.0	-100.0	105.0	-100.0	-100.0	-100.0
ZIRCONIUM Zr	500.0	-500.0	-500.0	-500.0	518.0	-500.0	-500.0	-500.0	506.0	-500.0	-500.0

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082057

	DL	# 35712	# 35713	# 35714	# 35715	# 35716	# 35717	# 35718	# 35719	# 35720	# 35721
TIMONY	.2	.94	1.11	1.01	1.02	2.11	.76	1.63	1.99	.26	3.24
ARSENIC	2.0	6.17	12.40	13.60	8.93	31.40	2.80	16.50	28.90	12.10	22.40
BARIUM	100.0	696.0	776.0	701.0	642.0	556.0	672.0	549.0	588.0	305.0	399.0
BROMINE	2.0	44.10	38.50	65.50	21.80	48.10	30.00	31.70	45.50	2.42	80.70
CERIUM	2.0	80.00	69.80	85.50	77.20	107.00	96.80	115.00	87.10	120.00	92.80
CAESIUM	1.0	6.39	5.46	6.97	5.02	5.26	3.42	5.46	6.35	3.61	6.16
CHROMIUM	5.0	68.5	97.9	91.4	91.7	176.0	31.0	144.0	104.0	175.0	399.0
COBALT	1.0	2.40	2.20	2.90	-1.00	30.30	-1.00	7.62	14.90	154.00	25.30
EUROPIUM	.5	.64	.80	.98	-.50	.52	.91	1.09	-.50	1.34	.80
GOLD, ppb	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	5070.0	-5.0
HAFNIUM	1.0	10.40	11.60	8.98	10.10	7.29	8.36	9.22	7.86	5.56	6.31
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	1.140	1.570	2.780	1.500	5.150	.440	3.000	5.700	16.700	4.870
LANTHANUM	.5	38.90	31.90	38.90	37.10	48.60	47.30	54.40	43.50	61.90	42.90
LUTETIUM	.2	.59	.54	.61	.66	.55	.51	.57	.63	.91	.59
MOLYBDENUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
POTASSIUM, %	.2	1.650	1.710	1.770	1.560	1.660	1.300	1.480	1.730	.354	1.970
RUBIDIUM	20.0	107.0	99.0	106.0	85.5	91.1	61.0	85.5	101.0	24.3	95.7
SAMARIUM	.20	7.15	6.40	6.81	6.45	8.14	6.72	8.75	6.79	12.10	6.92
SCANDIUM	.10	11.20	8.37	12.30	10.30	13.60	6.86	12.10	14.70	18.30	14.90
SELENIUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
SILVER	5.0	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00
SODIUM, %	.01	.513	.519	.643	.552	.537	.600	.568	.378	.086	.337
TANTALUM	1.0	1.14	1.31	1.18	1.25	-1.00	1.25	1.34	-1.00	-1.00	1.11
THORIUM	.5	13.60	14.30	13.30	13.00	13.50	12.70	13.90	12.30	18.20	11.70
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	5.59	14.70	13.60	7.45	19.10	4.43	3.23	5.73	-2.00	3.04
URANIUM	2.0	2.83	3.18	2.58	2.61	2.38	2.58	2.47	2.46	2.76	-2.00
YTTERBIUM	.5	2.70	2.86	3.21	3.50	2.70	2.74	2.89	2.61	3.65	2.63
ZINC	100.0	-100.0	-100.0	-100.0	100.0	-100.0	-100.0	-100.0	105.0	-100.0	-100.0
ZIRCONIUM	500.0	617.0	658.0	-500.0	-500.0	-500.0	518.0	-500.0	-500.0	-500.0	-500.0

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082058

JOB # 420

EMENT	DL	# 35722	# 35723	# 35724	# 35725	# 35708R	# 35724R
ANTIMONY	.2	2.11	1.73	3.88	5.43	1.77	3.81
ARSENIC	2.0	14.60	11.00	25.70	32.60	15.40	25.00
BARIUM	100.0	475.0	428.0	345.0	402.0	497.0	324.0
BROMINE	2.0	68.80	43.90	77.20	46.20	68.80	77.10
CERIUM	2.0	117.00	95.60	89.20	95.30	98.80	90.50
CAESIUM	1.0	6.22	5.48	7.23	6.84	6.43	7.13
CHROMIUM	5.0	254.0	95.4	349.0	405.0	102.0	420.0
COBALT	1.0	3.20	2.50	14.70	28.80	20.90	18.60
EUROPIUM	.5	1.17	.75	1.09	1.03	-.50	1.02
GOLD, ppb	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
HAFNIUM	1.0	9.92	7.32	5.54	6.01	5.95	6.01
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	3.390	2.380	4.890	5.680	4.460	5.480
LANTHANUM	.5	57.50	48.10	39.90	45.20	45.70	43.90
LUTETIUM	.2	.74	.52	.54	.52	.54	.59
MOLYBDENUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
POTASSIUM, %	.2	1.780	1.790	1.180	1.740	1.660	2.090
RUBIDIUM	20.0	98.0	113.0	88.8	93.3	107.0	97.0
SAMARIUM	.20	9.75	8.93	7.84	7.58	7.91	7.62
SCANDIUM	.10	15.50	12.30	12.10	13.70	15.00	13.70
SELENIUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
SILVER	5.0	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00
SODIUM, %	.01	.564	.376	.275	.311	.361	.312
TANTALUM	1.0	1.48	1.11	1.26	1.32	1.07	1.21
THORIUM	.5	14.60	14.40	12.90	12.70	13.00	12.40
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	7.53	-2.00	4.31	2.16	26.30	4.50
URANIUM	2.0	2.45	2.48	2.37	2.37	2.25	2.35
YTTERBIUM	.5	3.16	2.64	2.48	3.03	2.46	2.62
ZINC	100.0	110.0	-100.0	112.0	-100.0	-100.0	117.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0

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APPENDIX 2

Rock Chip Sampling Results, 1991/92

082060

PROJECT: DUNDAS INC. MONTEZUMA

SAMPLE NUMBER	NORTH metres	EAST metres	DEPTHF metres	DEPTHT metres	CODE	SAMPLR	DATE	OCONT	GRID	KIND	VEGCON	SOIL	UNIT	COLOUR	COMPOS	SLOPE
[redacted]	362970	374470			5526	BSNP	AUG.91		AMG	SS				.2	.5	
	Remark:SAND/SILT.															
[redacted]	363570	374370			5526	BSNP	AUG.91		AMG	SS				.2	1	
	Remark:SANDY.															
[redacted]	363530	374320			5526	BSNP	AUG.91		AMG	SS				1	2	
	Remark:GRAVELY.															
T 35741	364200	374455			5522	JC	JAN.92		AMG	RC		CONG	Cd	FUFE		
	Remark:Limonitic.															
T 35742	364225	374420			5522	JC	JAN.92		AMG	RC		CONG	Cd	MSPYFU		
	Remark:Limonitic with disseminated pyrite.															
T 35743	364235	374400			5522	JC	JAN.92		AMG	RC		CONG	Cd	FE		
T 35744	364305	374295			5522	JC	JAN.92		AMG	RC		CONG	Cd	FE		
T 35745	364215	374385			5522	JC	JAN.92		AMG	RC		CONG	Cd	CBPY	GLJA	
	Remark:GL-JA-carbonate rich bands(veins?) in CONG.															
T 35746	364250	374310			5522	JC	JAN.92		AMG	RC		CONG		PYCB		
	Remark:101m from start of Moores Pimple walking track (N.end).															
T 35747	364300	374255			5522	JC	JAN.92		AMG	RC		CONG		PY		
	Remark:180m from start of Moores Pimple walking track.															
T 35748	364110	374280			5522	JC	JAN.92		AMG	RC		FALT				
	Remark:Rosebery thrust fault, forming contact between Cong and felsic volc's.															
T 35749	363785	374375			5522	JC	JAN.92		AMG	RC		FELS	Cd	PY		
	Remark:Felsic volcanic with disseminated pyrite.															
T 35750	363710	374470			5522	JC	JAN.92		AMG	RC		FELS	Cd	PY		
T 35751	363890	374230			5522	JC	JAN.92		AMG	RC		FELS		PY		
T 35752	363965	374155			5522	JC	JAN.92		AMG	RC		ROCK		SIFUPY		
T 35753	364010	374120			5522	JC	JAN.92		AMG	RC		CHER		PYFE		
	Remark:Cherty with 10% Pyrite and pyrite boxworks ? altered ultramafic.															
T 35754	364070	374080			5522	JC	JAN.92		AMG	RC		ROCK	Cd	PY		
	Remark:Altered ? felsic rock.															
T 35755	364100	374095			5522	JC	JAN.92		AMG	RC		ROCK		FUPY		
	Remark:V.silicified, fuchsitic, pyritic altered rock(alt U.matic?) goss patch															

Laboratory:
Method :
Det. Limit:

RGC EXPLORATION PTY.LTD. DATA SHEET

PROJECT: DUNDAS INC. MONTEZUMA

SAMPLE NUMBER	NORTH metres	EAST metres	CU PPM	PB PPM	ZN PPM	SN PPM	AU PPB	AG PPM	TA PPM	TH PPM	W PPM	U PPM	YB PPM	RB PPM	SB PPM	AS PPM
[redacted]							-5	-5	1	11.7	3	-2	2.6	95	3.2	22
							-5	-5	1	14.6	7	2	3.2	98	2.1	14
							-5	-5	1	14.4	-2	2	2.6	113	1.7	11
							-5	-5	1	12.9	4	2	2.5	88	3.9	25
							-5	-5	1	12.7	2	2	3.0	93	5.4	32
T 35741			32	77	33	6	-5	-5	1	6.0	-2	6	4.2	92	18.2	18
T 35742			114	11	93	5	-5	-5	-1	-0.5	-2	-2	1.6	42	2.5	16
T 35743			68	20	273	5	-5	-5	2	6.6	-2	-2	3.7	66	1.5	5
T 35744			17	-5	86	7	-5	-5	1	5.3	-2	-2	2.8	61	0.8	-1
T 35745			65	1980	2580	10	6	-5	-1	3.8	-2	-2	2.1	68	47.2	161
T 35746			106	-5	90	5	-5	-5	1	4.9	-2	-2	3.0	45	1.6	4
T 35747			8	-5	114	7	-5	-5	-1	5.1	-2	-2	2.9	56	0.4	1
T 35748			40	370	143	4	-5	-5	1	17.9	-2	4	2.8	96	8.3	30
T 35749			105	57	153	10	-5	-5	-1	19.8	-2	2	2.5	100	3.9	17
T 35750			-5	20	58	9	-5	-5	2	20.2	-2	5	2.5	51	1.2	3
T 35751			27	6	51	9	-5	-5	-1	-0.5	-2	-2	1.0	97	0.2	1
T 35752			73	-5	66	8	-5	-5	-1	-0.5	-2	-2	-0.5	44	0.8	3
T 35753			8	12	69	5	-5	-5	-1	-0.5	-2	-2	-0.5	-20	1.0	16
T 35754			121	-5	106	7	-5	-5	2	4.7	-2	-2	3.5	81	0.7	7
T 35755			-5	28	119	3	-5	-5	-1	-0.5	-2	-2	-0.5	-20	1.6	3

Laboratory:	ANALAB	ANALAB	ANALAB	ANALAB	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ		
Method :	101	101	101	401	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30		
Det. Limit:	5.000	5.000	5.000	3.000	5.000	5.000	1.000	0.500	2.000	2.000	0.500	1.000	0.200	2.000		

PROJECT: DUNDAS INC. MONTEZUMA

SAMPLE NUMBER	NORTH metres	EAST metres	BA PPM	MO PPM	LU PPM	BR PPM	CE PPM	CS PPM	CR PPM	CO PPM	EU PPM	HF PPM	FE %	LA PPM	IR PPB	SM PPM	SC PPM
[redacted]			399	-5	0.6	80	92	6	399	25	0	6	4.87	42.9	-20	6.9	14.9
			475	-5	0.7	68	117	6	254	3	1	9	3.39	57.5	-20	9.8	15.6
			428	-5	0.5	43	95	5	95	2	0	7	2.38	46.1	-20	8.9	12.3
			345	-5	0.5	77	89	7	349	14	1	5	4.89	39.9	-20	7.8	12.1
			402	-5	0.5	46	95	6	405	28	1	6	5.68	45.2	-20	7.6	13.7
35741			251	-11	0.6	-2	61	6	220	4	2	3	2.72	30.1	-20	9.8	28.9
35742			255	-5	0.2	-2	-2	3	719	51	-0	0	6.98	0.8	-20	0.7	37.4
35743			1100	-5	0.5	3	79	4	227	59	2	6	8.50	37.8	-20	8.6	29.9
35744			449	-5	0.4	-2	53	3	271	26	1	4	5.89	26.3	-20	5.4	28.6
35745			154	-5	0.3	-2	31	7	213	21	1	2	13.00	14.5	-20	4.1	21.0
35746			285	-5	0.4	-2	43	4	300	31	1	3	5.68	19.8	-20	5.2	29.7
35747			453	-5	0.4	-2	39	4	275	35	1	4	6.60	18.3	-20	4.6	32.8
35748			263	-5	0.4	2	120	3	72	2	1	4	2.74	71.2	-20	5.3	8.9
35749			216	-5	0.4	-2	91	3	-5	-1	0	4	1.22	52.2	-20	4.5	1.9
35750			196	-10	0.4	-2	103	2	11	7	0	4	0.77	64.8	-20	5.6	2.2
35751			340	-5	-0.2	-2	-2	7	300	23	-0	0	3.29	0.6	-20	0.5	36.1
35752			246	-5	-0.2	-2	-2	5	2300	69	-0	-0	3.89	-0.5	-20	0.3	22.8
35753			-100	-5	-0.2	-2	-2	-1	2280	86	-0	-0	3.15	-0.5	-20	-0.2	1.8
35754			304	-5	0.5	-2	62	4	138	82	2	5	6.75	29.1	-20	7.9	31.3
35755			-100	-5	-0.2	-2	-2	-1	2670	39	-0	-0	3.38	-0.5	-20	0.3	2.2
Laboratory:			BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ
Method :			INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30
Det. Limit:			1.000	5.000	0.100	2.000	5.000	1.000	5.000	1.000	1.000	1.000	0.050	0.500	1.000	0.100	0.100

082063

APPENDIX 3

Notes on the Geology of the Ring River Grid,
by W. Herrmann.

RGC EXPLORATION PTY. LIMITED

082064

NOTES ON THE GEOLOGY OF THE RING RIVER GRID

For: RGC Exploration Pty. Ltd., Burnie, Tasmania.

By: W. Herrmann, RSD 1066, Devonport. 7310

Date: March, 1989.

CONTENTS

1. INTRODUCTION

2. DESCRIPTION OF LITHOTYPES

3. GENERAL DISCUSSION OF STRUCTURE AND STRATIGRAPHY

4. REFERENCES

5. APPENDIX 1
Sample Record and Analytical Data Sheet
(T 07956 - 07962)

082066

1. INTRODUCTION

These notes are intended as explanatory notes to accompany the 1:5,000 Geological Interpretation Plan of the Ring River Grid.

The Ring River Grid of about 2.5 sq. km. extent essentially covers the valley of Bather Creek between Moore's Pimple and the Ring River.

The grid is not strictly orthographic. The east-west cross lines at nominal 200m. spacings represent a recut of an earlier (ca. 1980) E.Z. Co. grid; They are pegged at 25mslope corrected intervals; the eastings are relative only to individual lines. The NNE trending access line is also pegged at 25m. slope corrected intervals with "Northeastings" based on an arbitrary 4000NE at the Ring River end. Track cutting and pegging was carried out by Rod Purton and associates during December 1988 - January 1989.

The mapping of geological exposures along the cut lines was carried out under contract agreement by W. Herrmann over eight field days during late January 1989. Access was by helicopter from Zeehan to various landing pads near the western margin of the grid and near Williamsford.

All of the cross lines and most of the NNE access track were approximately "surveyed" by compass and clinometer with azimuths recorded in degrees AMG. These were used to plot the position of the grid lines as shown on the plan but it should be noted that the survey was very approximate and in most cases direct sightings from peg to peg were not possible and some guesswork was required.

2. DESCRIPTION OF LITHOTYPES

(Numbers prefixed "R" refer to rock land specimens, now lodged in RGC's collection.)

Eug: Gabbro

A hyalocrystalline rock consisting essentially of plagioclase and ferromagnesian (probably originally pyroxene) in proportion about 2:1 in a medium grained (1-3mm) hypidiomorphic tabular fabric, usually quite massive in outcrop. Specimen R14 represents an unusually fresh example. It is not magnetic. Most exposures are moderately to intensely altered and although relict fabric may be well preserved R1, 16, 27). The primary minerals appear to be largely replaced by an assembage of carbonate + silica + chlorite sometimes with patchy weak fuchsite staining. The more strongly altered types appear to be rather brecciated and are often associated with irregular quartz and carbonate veining occasionally carrying rare traces of pyrite or chalcopyrite. T07456 of this type does not contain significant levels of base metals silver or gold.

Eub: Altered Basalt

This lithotype typically consists of a pale greenish grey fine grained grannular matrix of quartz with (probably) carbonate and minor chlorite (?) sometimes containing small (1-5mm) dark greenish grey chloritic? ellipsoidal structures resembling amygdales. (Specimens: R13). Outcrops are generally massive or strongly fractured/cleaved but occasionally display rounded pillow like structures of 15-30cm diameter. These rocks appear to be strongly silica + carbonate ± minor fuchiste altered mafic extrusives (R24A). The fine matrix sometimes shows a faint relict "trachytic" fabric resembling primary fine plagiochase laths. They are commonly associated with extensive irregular white carbonate ± quartz veining and sometimes with traces of pyrite and chalcopyrite.

Eus: Mafic Volcaniclastic Siltstone

A pale-medium grey or brownish grey thinly bedded siltstone consisting of pale fuzzy cloudy specks or grains in a dominant fine-flinty siliceous matrix. (Specimen R26). Of apparently restricted occurrence, observed only at one locality in association with altered basalt on the Bonnie Point - Moores Pimple track near line 4800N, this appears to represent a silicified or perhaps originally cherty volcaniclastic sediment. The pinkish grey selvedges of the pillow like structures in the altered basalt have generally similar cherty constitution.

Ewf: Medium to Coarse grained Felsic volcanic lithicwacke and Breccia.

These typically consist of medium sized (1-5mm) crystals and fragments of pale creamy-grey plagioclase and minor quartz, common small olive greenish wispy fragments of pumice and occasional fragments of quartzphyric rhyolite in a pale grey murky siliceous matrix. They are generally poorly sorted, non stratified and massive in outcrop although in places are intensely cleaved with associated strong sericitization of feldspars and glass. I interpret these rocks to represent felsic pyro-epiclastic mass flow deposits. (Typical specimens: R6, 8, 10, 19, 54, 57, 73.)

Ewt: Turbiditic/Interbedded Fine grained felsic-lithicwacke and micaceous siltstone.

Rocks in this category occur as thinly interbedded turbiditic sediments ranging from medium to fine sandy to fine silty (Cwts) grain size. The sandy members (Ewts) are essentially finer grained equivalents of Ewf; fine to medium grained wackes of dominantly felsic volcanic provenance (feldspar, quartz, altered vitric ash etc.) but sometimes with minor detrital mica (eg: R21A) suggesting some metasedimentary input. They are of variable dark grey to pale buff known colour, most commonly the latter.

The fine-grained members (Cwts) are fine grained dark grey slaty siltstones often with a phyllitic sheen or small flakes of detrital mica on the plane of bedding.

These are most commonly thinly interbedded on a millimetric to decimetric scale and are interpreted to represent a sub aqueous depositional environment with steady influx of fine clastic sediment of metasedimentary provenance repeatedly punctuated by turbiditic surges of sandy sediment derived from a felsic volcanic terrain.

Specimens: R20, 21A, 21B, 55, 56, 58, 75

Edc Polymictic Conglomerate

A distinctive rock type consisting of well rounded small pebbly clasts generally in the range (5-40mm) dominantly of chert, jasper, siltstone, fine grained wackies, occasional felsic volcanics and rare altered mafic rocks matrix supported in a fine to medium grained sandy quartz rich partly calcareous or felsic volcaniclastic matrix. The clasts often have a flattened lensoidal shape inherent from their bedded sedimentary origin rather than strong deformation but this often gives rise to quite sharp razorback or tombstone like outcrops. Outcrops are generally otherwise massive and not stratified.

Edq: Quartzwackes

These are fine to medium grained pale grey wackes in which the principal granular component appears to be quartz with common subordinate feldspar, mica, felsic volcanic ash and fine lithic grains of dark grey siltstone. They are variably massive to thinly bedded and commonly turbiditically interbedded with fine grained dark grey mudstones. (Cdm)

This turbiditic assemblage is designated Cdt on the geological plan.
Typical examples of the quartzwacke are Specimens R3, 5, 15, 22, 28, 29, 30.
Examples of turbiditically interbedded Cdq/Cdm are R63, R69.

Edm: Argillaceous - Cherty Mudstone/Siltstone

These are very fine grained siltstones and slaty mudstones of variable pale grey, dark grey and occasionally purplish brown (hematitic) colour. They are often thinly laminated, often with fissility parallel to bedding or fine scale transposition of layering where cleavage is oblique to bedding. Typical examples: R4, 43, 61A.

Edv: Felsic Vitric Tuffs

These are pale grey to pale brownish or yellowish grey rather flinty rocks of variable grainsize from very fine grained cherty or glassy to fine wacke (0.5mm).
They appear to be largely of felsic volcanic derivation and in the coarser varieties fine crystal fragments of plagioclase feldspar and glassy shards defining a faint eutaxitic fabric can be distinguished.

They tend to be massive in outcrop but in some places occur as thick beds within the quartzwacke-mudstone sequence.

Typical specimens: R35, 64, 70, 72.

Edp: Quartz Porphyry

A uniform pale whitish grey rock consisting of small phenocrysts (2mm) of grey quartz sparsely distributed (<3%) in a pale siliceous/glassy/aphanitic looking matrix. It is usually quite massive in outcrop apart from common fine intersecting quartz + carbonate veinlets and may be interpreted to be either a rhylolitic extrusive or high level intrusive.

Esi: Silicified Rocks of Unrecognizable Precursors

These are siliceous rocks composed mainly of quartz in a fine granular or saccharoidal fabric, often rather porous or cavenous and generally associated with considerable quartz veining. Outcrops tend to be massive, in some cases prominent and cliff like with heavy superficial iron staining. They gave the general impression of oxidized, leached surface expressions of strongly, pervasively silicified rocks but the original rock type is obscure. Example: R33 (lost)

3. GENERAL DISCUSSION OF STRUCTURE AND STRATIGRAPHY

The dominant structural feature of the area is the Rosebery Fault which has a more or less NNE trend following the course of the upper part of Bather Creek but diverging slightly east of the creek north of about 5600N.

The fault zone is not particularly well exposed on any of the grid lines crossing it except for 6400N where it appears to dip at about 50 to the east. At this location the fault zone appears to be no more than about 0.6m wide and is not associated with notable shearing or brecciation of the adjacent wall rocks. However, southwards of 5600N outcrops observed in Bather Creek are characteristically intensely sheared, brecciated and locally silicified with variable intensity of coarse and fine quartz + carbonate stringer veinlets sometimes associated with minor pyrite or galena and sphalerite mineralization and/or limonitic staining. Analytical samples T7957, 7958, 7959 and 7961 are all from this zone but only T7958 consisting of (high graded) quartz + carbonate + minor galena, sphalerite and pyrite stringer veins and patches at the sheared contact between polymictic conglomerate and grey siltstone is significantly anomalous with 7.9% Pb, 4.2% Zn and 126 g/t Ag. None of the samples contain detectable gold. The Rosebery Fault (Corbett + Lees, 1987) is considered to be a major underthrust fault zone dipping at an average of 40 to the east.

It has been intersected in Tas. Mines Dept. Drill Hole No. MP1 which was collared near The White Spur Track about 400m east of Moore's Pimple. (E.Z. Co. Report No. T222) (1986) Minor carbonate vein systems and breccia infills with minor galena, sphalerite, pyrite mineralisation were intersected in the footwall of the fault. Assays of drill core from this zone quoted in the E.Z. Co. Drill Log (op. cit.) indicate sporadic Pb, Zn, Ag mineralisation but no anomalous gold.

On the Ring River Grid, rocks on the eastern (hanging wall) side of the fault comprise an assemblage of massive medium to coarse grained epiclastic wackes and pumiceous mass flow tuffs and thin bedded turbiditic fine grained felsic wackes and micaceous siltstones. These are part of the White Spur Formation representing the basal part of the Dundas Group (Corbett + Lees, 1987.) In the south eastern part of the grid a thick felsic epiclastic unit appears to be underlain to the west by a fairly thick unit of turbiditic siltstone/wacke. This part of the sequence appears to be generally east forming and steeply east dipping although a westerly facing observed near 4800N/7550E suggests local overturning of the west limb of a tight anticlinal fold parallelling the trend of the fault. In the north eastern part of the grid dips are likewise dominantly eastward with occasional westerly dips implying the presence of minor assymmetric drag folds and vergence towards a synclinorial closure to the east. Corbett + Lees (op cit) report that near Hercules the lower contact of the White Spur Fmn. dips to the west.

On lines J400N, J600N and J800N there are a few anomalous south to south easterly dips implying the presence of an open westnorthwest trending fold? axis which seems to coincide with a slight bend or offset? of the Rosebery Fault and also apparent offset of a minor synclinal axis west of the fault.

Rocks on the western (footwall) side of the Rosebery fault are dominated by an interbedded sequence of quartzwacke and mudstone. E.Z. Co. mapping indicates that these are partly dolomitic and this may be so although I have been unable to obtain a reaction from cold 20% HCl. The quartz wackes tend to become more prominant in outcrop westwards but I suspect that the finer sediments are everywhere present but perhaps subdued in outcrop. North of 6200N there are

several thin units of felsic vitric/crystal tuff which appear to be perfectly comfortable and interbedded with the quartzwacke mudstone sequence. (Corbett (1986) shows a fault bounded slice of quartzwacke-mudstone and felsic tuff between Bather Creek and The Rosebery Fault extending northward from about 5365500N. I consider that the felsic tuffs here are part of the White Spur Fmn).

On the western margin of the grid between 4800N and 5400N there are exposures of distinctive polymictic conglomerate and conglomeratic quartz sandstone. These appear to occupy an anticlinal crest with quartzwacke-mudstones dipping away from the contact on both sides of the anticline implying that the conglomeratic unit underlies the quartzwacke-mudstone sequence. However the complete assemblage is tightly folded about more or less meridional fold axes, few variable facing directions have been observed and I have no strong convictions about the relative age relations or overall younging direction within the sequence. Lithologically this sequence seems to be similar to the "Upper Dundas Group" consisting of "interbedded siltstone, lithicwacke mudstone and conglomerate with minor felsic tuffs" as described by Corbett + Lees (1987, p.53.)

South of line 5000N, most of the spur running up to Moore's Pimple is occupied by an assemblage of altered gabbro, pillowed basalt and minor fine grained cherty volcaniclastic siltstone. Most of the mafic rocks are intensely and pervasively altered to an apparent assemblage dominated by silica + carbonate ± fuchsite but features of the primary igneous fabric are locally preserved. Extensive quartz + carbonate veining is commonly associated and in places carries minor traces of pyrite and chalcopyrite. Contacts between this mafic group and the

adjacent sediments have not been observed. However, the occurrence is almost coincidental with the apparent anticlinal axis centred on the conglomerate unit - There is a possibility that the contact is depositional; ie: conglomerates on mafics. Further detailed mapping, particularly along the Bonnie Point-Moore's Pimple track might help to elucidate this.

In the upper part of Bather Creek there are three small dyke like (?) perhaps connected, bodies of rhyolitic quartz porphyry. The larger (connected?) bodies occur on the western side, close to the Rosebery Fault. The southern one of these is flanked to the west by a narrow strip of felsic vitric and pumiceous lithic tuffs suggesting that the quartz porphyry could represent a co-magmatic lava. The drill log of MP1 by T.C. Lees 1986 (E.Z. Co. Report T222) describes some unusual "shale-rhyolite breccias" in the immediate footwall of the fault which are interpreted (by Lees) to be subaqueously erupted lava breccias. On line 5000N the quartz porphyry contain large xenoliths of polymictic conglomerate upto 2m. in length rather suggesting an intrusive relationship. The presence of a single outcrop on line 5200N near 7800E in a location interpreted to be in the hangingwall of the fault also implies an intrusive origin.

Other Mineralization:

Corbett + Lees (1987) refer to Devonian quartz + tourmaline vein mineralization with associated Cu, Pb, Ag, Au, Sb, Bi and F located within the Rosebery Fault zone in the Rosebery-Chamberlain area. They (op.cit) also refer to auriferous quartz vein prospects within or adjacent to the

fault south of Williamsford. These are presumably the several (7) old workings shown on E.Z. Co's 1:5,000 Ring River-Geology plan, circa 1982, lying along Bookers Creek.

This coincides approximately with the position of the Rosebery Fault as shown by Corbett (1986). Projection of my geological interpretation northwards would place this area within the White Spur Fmn. with the Rosebery Fault located about 300m. further west. However, in consideration of RGC's structurally controlled gold mineralisation exploration rationale for the Ring River grid area, some investigation of the Booker Creek workings would seem to be warranted.

The main Svengali workings clustered about the western end of mine 6400N are developed on a series of carbonate veins carrying traces of pyrite, chalcopyrite and tetrahedite. The higher western prospecting adits expose minor shear parallel stringers of vein quartz with traces of pyrite and galena in sheared slaty mudstones. None of these workings appear to have resulted in significant production. The Svengali area is discussed in more detail in our report on the Dundas Mineral Field. (Herrmann + White, 1989).

082077

APPENDIX 4

A Reconnaissance of Old Workings in the Central and North Dundas Mineral Field, Tasmania,

by. W. Herrmann and M. White

082078

A RECONNAISSANCE OF OLD WORKINGS IN THE CENTRAL AND NORTH DUNDAS MINERAL FIELDS, TASMANIA.

FOR: RGC Exploration Pty Ltd Burnie/Tas.

DATE: May, 1989.

AUTHORS: W. Herrmann (RSD 1066 Devonport - 7310)
M. White (RGC Exploration Pty Ltd, Tas)

082079

CONTENTS

	Page No.
1. INTRODUCTION	1
2. SUMMARY AND CONCLUSIONS	2
3. NORTH DUNDAS MINERAL FIELD	4
3.1 Wallace's Prospects	4
3.2 Evenden Prospect	8
3.3 Lower Ramsdale Workings	10
3.4 Ramsdale Workings	11
3.5 Great Northern Creek Mine	11
3.6 Curtin Davis Consols	13
3.7 No. 1 Curtin Davis Mine	15
3.8 South Curtin Davis Mine	18
3.9 South West Curtin Davis	21
3.10 Crown Curtin Mine	24
3.11 Curtin Davis Mine	25
3.12 Green's Prospect	34
3.13 Frazer Mine	36
3.14 Hecla Mine	40
3.15 Block 291 Mine	43
3.16 Bonnie Dundee Mine	46
3.17 Moore's Pimple Mine	48
3.18 Svengali Mine	50
3.19 Rich P.A. and Fahl Mines	51
3.20 Exe Proprietary	53
3.21 Karlsen-Riley Workings	55
4. CENTRAL DUNDAS MINERAL FIELD	59
4.1 Comet	59
4.2 Maestries	60
4.3 Platt Mine	61

082080

4.4 Kosminsky Mine 62
4.5 West Comet 63
4.6 East North Comet Workings 63
4.7 Banner Cross 64
4.8 Ainslie/King Dundas Mines 66

5. **DISCUSSION** 67

6. **REFERENCES** 74

7. **APPENDICES**

Appendix 1: Sample Record and Analytical Data Sheets.

LIST OF PLANS/FIGURES

No.		
1	Montezuma Grid Showing Location of Old Workings (This plan is located in the Annual Report, as Figure 56.)	1:5,000
3	Wallace's Prospect, Eastern Workings Plan	1:500
4	Wallace's Prospect, Eastern Workings Section	1:25
5	Wallace's Prospect, Western Workings Sketch Plan of Trench	1:25
6	Wallace's Prospect, Location Diagram	1:2,500
7	Lower Ramsdale Adit	1:500
8	Great Northern Creek Mine Workings, Sketch Plan	1:500
9	No. 1 Curtin Davis Workings, Sketch Plan	1:500
10	South Curtin Davis Mine, Sketch Plan	1:1,000
11	South West Curtin Davis Mine (after Forsythe 1969)	1:1,000
12	Crown Curtin Mine Sketch Plan	1:500
13	Curtin Davis and Curtin Davis Extended (Sketch Plan after Forsythe 1969)	1:1,000
14	Curtin Davis Extended, No. 2 Adit Plan	1:250
15	Curtin Davis, No. 4 Adit Plan	1:250
16	Curtin Davis, No. 5 Adit Plan	1:250
17	Green's Prospect, Sketch Plan	1:500
18	Frazer Mine Workings, Sketch Plan (after Forsythe)	1:1,000
19	Frazer Mine No. 2 Adit Plan	1:250
20	Hecla Mine, Southern Adit, Sketch Plan	1:200
21	Block 291 Workings, Sketch Plan	1:500
22	Bonnie Dundee Mine	1:500
23	Svengali Mine	1:1,000
24	Moores Pimple Mine	1:5,000
25	Rich P.A. and Fahl Mines, Sketch Plan	1:2,500
26	Exe Proprietary	1:500

27	Karlsen-Riley Access and Location Plan	1:10,000
28	Karlsen-Riley Workings, Sketch Plan	1:500
29	Comet-Maestries Mines (after Geophoto)	1:1,000
30	Platt Mine	1:1,000

082083

1. INTRODUCTION

This report represents a compilation of the results of brief investigations of twenty-nine abandoned mines and mineral prospects in the North and Central Dundas mineral fields of Western Tasmania, carried out over approximately five weeks field work during February and early March, 1989.

At that time, RGC Exploration Pty. Ltd was undertaking grid based detailed exploration in Exploration Licences 10/87, 13/88 and 21/86 aimed at assessing the potential for structurally controlled (Henty style) gold mineralization focussing particularly on the southern extensions of major known or inferred faults including the North Henty, Rosebery and Montezuma Fault zones. Secondary potential was also considered to exist for replacement pyrhottite and cassiterite mineralization along the Montezuma Fault on the basis of a possible structural connection with the Federal Fault at Renison Bell.

The objective of this reconnaissance of abandoned prospects was to obtain data which would allow an improved understanding of the structural and metallogenic styles of the known mineral occurrences.

The reconnaissance was carried out, under contract arrangements with RGC Exploration, by W. Herrmann ably assisted by M. White.

2. SUMMARY AND CONCLUSIONS

Systematic but fairly cursory investigations of some twenty mine abandoned mines and mineral prospects in the North and Central Dundas areas has led to accumulation of fairly voluminous descriptive geological and analytical data.

The occurrences of the North Dundas field are all narrow, steeply dipping vein type deposits mostly of NNW or NNE orientation but of which the structural control is obscure. Four main mineral assemblages are represented:

* quartz + pyrite + arsenopyrite infilling brecciated/sheared country rock.

* vuggy milky quartz with arsenopyrite ± cassisterite.

* massive siderite veins with associated sulphides including py, cpy, gn, sp, and tetrahedrite.

* veins and shoots of jamesonite.

The former two may be synchronous and laterally/vertically equivalent and there is textural evidence that the latter two represent successive second and third stages of mainly open space filling mineralization superimposed upon the former.

Most of the veins are polyphase and polymetallic. Silver, lead and zinc are widely distributed, nearly ubiquitous, across the field whilst tin, gold and to lesser degree bismuth seem to be clustered, perhaps in a NNW corridor approximating to the position of the Montezuma Fault with a "focus" at abouth the latitude of Green's Prospect.

The preservation of the mine workings at Central Dundas is poor by comperison with North Dundas and the quantity of information obtained allows but a very generalized interpretation of the style of mineral-

ization. Of the prospects visited here most seem to be silver, lead and zinc rich sideritic veins or replacement deposits formed at the dolomitized margins of serpentinite bodies. None of the samples obtained here were anomalous in tin and ony the Platt Prospect yielded slightly anomalous gold up to 0.13g/t.

samples collected can hardly be regarded as representative but seem to indicate a sniff of tin (up to 84ppm) antimony (929ppm) the usual anomalous silver and arsenic but otherwise low metal values.

3.17 Moore's Pimple Mine (see Fig. 24)

The principal working is an adit at about 770m ASL driven into the NW slope of Moore's Pimple. The adit is driven on azimuth 100° but is now partly caved at the portal which has caused damming of water in the adit to depth of about 1.2m and hence we could not inspect it further.

Reid (1925) states that it was driven for 330ft (100m) mostly in slate and quartzite but went into dolomitized serpentinite at 270ft (82m). At this contact was found a 3" vein of gossan containing a little galena, this was driven on for 40' southwards where it was found to widen but of low grade. Another 6" vein of gossan with slugs of galena was cut near the end of the adit.

There is extensive mullock, divided into two dumps the material on the southern dump consists mainly of pale buff-grey fine grained quartz wackes and purplish grey cherty siltstone. These have minor quartz and carbonate stringer veining but are essentially unmineralized.

The dump immediately opposite the portal seems to consist mainly of carbonate altered ultra mafic rock.

Lithotypes (in decreasing order of abundance) were sampled for assay as follows:

T11767: massive pale pinkish grey carbonate, weathering to reddish brown exterior. Rare specks of galena and pyrite, minor siliceous veins and fragments of green (fuchsite ?) stained altered mafic rock.

T11771: green fuchsite stained carbonate and silica altered ultramafic rock. Rare traces of py, cpy, some dark opaques. Moderately abundant on dumps.

T11768: massive carbonate - siderite ?, pale creamy colour weathering very dark chocolate brown, traces of gn, cyp, py.

T11769: silicified carbonate ? with veinlets and blebs of g, sp, cpy, py.

T11770: single block only as for letter with 5% galena and sphalerite.

Only the latter two returned significantly anomalous assays including 3.53% Pb, 3.8% Zn, 28g/t Ag and 0.04g/t Au in T11770. The other samples have base metals <500ppm and Ag, Au below detection levels.

On the old pack track NE of the adit is a small trench sunk in extensely silicified rock (of unknown precursor) intensely veined with fine stringers of quartz and carbonate. This rock contains about 1-2% fine pyrite disseminated in the silicified rock and trackes of chalcopyrite in the veinlets. Sampled in T10185 it returned an assay of 0.13% Cu but otherwise is not anomalous.

About 170m downslope to the northwest of that trench is another trench in weathered brown gungy carbonate (?). A few loose blocks on the floor and outcrops about 10m downslope consist of somewhat fresher but similarly indeterminate silica carbonate altered rocks containing minor (1%) disseminated pyrite and traces of dark brownish black 0.5m sized octahedra resembling magnetite or chromite ?. Samples T10186 and T10187 from the trench and floaters further down indicated no significant metal values (<200ppm in base metals).

082088

65 000mN

64 500mN

54000mN

Severn

Montezuma

Creek

Bather

760

720

680

640

600

640

680

720

760

800

TO IP ELECTRODE POSN.

T13186

Trench

T10187

RING RIVER GRID

T10185

ADIT.

Serpentinite

880

840

800

760

MOORES PIMPLE

Old Track Track to Mt. Lundas

To Lundas.

640

5 cm

FIGURE 24

MOORES PIMPLE MINE

SCALE 1:5000

N

1989

082089

The trenches on the Dundas Track south of Moore's Pimple referred to by Reid (1925) could not be located.

Conclusions from our visit and sampling are that structural (fault) permeability at/near the contact of the "serpentinite" have been weakly mineralized by carbonate dominant assemblages with generally low sulphide contents and similar to Svengali may represent the peripheral zone of lode style mineralization.

3.18 Svengali Mine

The Svengali Mine includes a number of short adits scattered about the vicinity of grid line 6400N in western tributaries of Bather Creek on the north western part of RGC's (1989) Ring River Grid. (See Ring River Grid 1:5000 Geological Interp Plan; also Fig. 23).

The main workings are three low level adits on either side of the north flowing stream just above the main creek level and a shaft about 60m west of the creek.

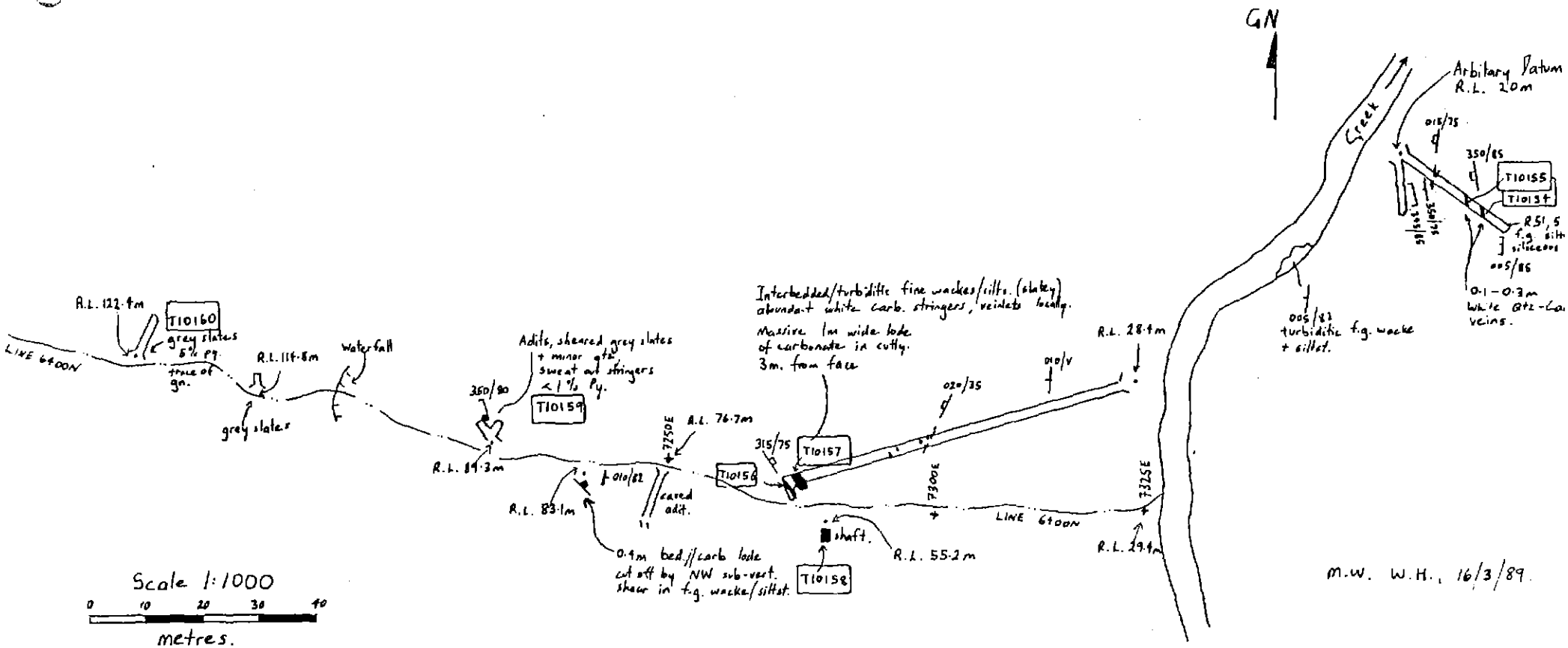
The longer of the eastern adits intersects two 0.1-0.3m thick veins of white carbonate ± quartz both steeply west dipping and associated with minor shearing in the hanging wall of the veins. The veins are barren of sulphides and our chip samples T10154, T10155 did not reveal any significant metal content (<200ppm base metals.)

The western adit, slightly upstream, was driven for 61.5m on azimuth 255° in turbiditic interbedded fine grained siltstones and wackes with approximately N-S strike trend and semi-vertical dips. Minor white carbonate stringer veining is abundant particularly in the more massive wacke units and in proximity to the shallow west dipping fault about ½ way along the drive. Exposed in a cuddy 3m from the end is a massive 1m wide body of white carbonate with minor included slivers of slightly pyritic slate. Sampled as T10157.

Figure 23

082090

SVENGALI MINE



The end cuddy exposes several discontinuous/lenticular banded veins to 30mm width of similar carbonate, which trend 315 with semi-vertical dips. These were sampled as T10156. Neither sample contained significant sulphides or metal assay values.

The shaft appears to have sunk on the same formation as that massive carbonate intersected in the adit. Mullock around the collar is of massive compact whitish grey carbonate with disseminated coarse blebs (2-10mm) of chalcopyrite, tetrahedrite and possibly minor pyrite. Total sulphide content <5%. This was sampled as T10158 which returned assays of 0.3% Cu, 17.5g/t Ag and 0.05% Sb reflecting the tetrahedrite and chalcopyrite.

Further up the gully to the west are a number of small adits most of which appear to be developed on zones of shearing within slatey siltstone units. These zones contain minor shear parallel quartz stringer veinlets with minor (<5%) pyrite and trace galena. Chip samples T10159, 10160 are representative of these zones but apart from 0.16% Pb, 0.08% Zn in the latter are not significantly anomalous.

It is evident that in the Svengali area dilational and shear induced permeable structures are only weakly mineralized perhaps indicating the outer low temperature (?) periphery of the North Dundas mineral field centred on Godkin Ridge.

3.19 Rich P.A. and Fahl Mines

The Rich P.A. Mine workings lie adjacent to the N.E. Dundas Tramway at easting 374300mE about 1.2km by tramway west of the Bather Creek crossing.

The southern most adit we located lies at creek level about 20m south of the tramway. Outcrops in the creek just upstream from the portal are strongly transposed and disrupted fine slatey siltstones with the plane of transposition oriented at about 35°/vertical. The adit is driven on azimuth 105° for 21m with a

short southern cuddy at 9m and a short 3m southward drift at the end. The eastern wall of the drift is clean and trends at 345°/ vertical. Adjacent to this face there is a zone of intense shearing associated with apparently patchy development of "lode" over a width of 50-150mm. The lode consists of brecciated slatey wall rock, possibly weakly chloritized with patches of pyrite, pale cream carbonate and some grey quartz. Sampled as T11710 it is low in base metals but assayed 0.22% As and faintly anomalous 0.03g/t Au.

Along strike to the north are two adits on opposite banks of the Ring River. No distinct lode formation is apparent in either but the width of the backs where visible consists of highly sheared/brecciated country rocks with irregular stringers of white carbonate and quartz and pyrite. Overall sulphide content is perhaps about 10%. The sample T11711 from near the portal of the south side adit, showed similar metal assays to the previous sample with an additional sniff of tungsten at 102ppm. Extending northwards for about 80m from the river bank is a series of more or less vertical open stopes mostly ranging 0.6-1.0m in width but with no lode exposed at surface. Also ruins of a smelter, and a headframe over a large (2 x 2m) shaft occur. Adjacent to the shaft is a large pile of mullock spilling into the river but very little is mineralized with only occasional pieces showing stringers of siderite, quartz and minor pyrite. Sample T11712 is from a small dump of fine saccharoidal siliceous/silicified rock with about 20% pyrite in fine disseminated specks and veinlets; it assayed 0.18% Cu, 119g/t Ag and 0.17g/t Sb.

The line of the lode again crosses the river at the horseshoe bend where it is marked by short 2m cuts into both banks which, however, do not reveal the nature of the lode. Northwards of here it is referred to as the Fahl lode.

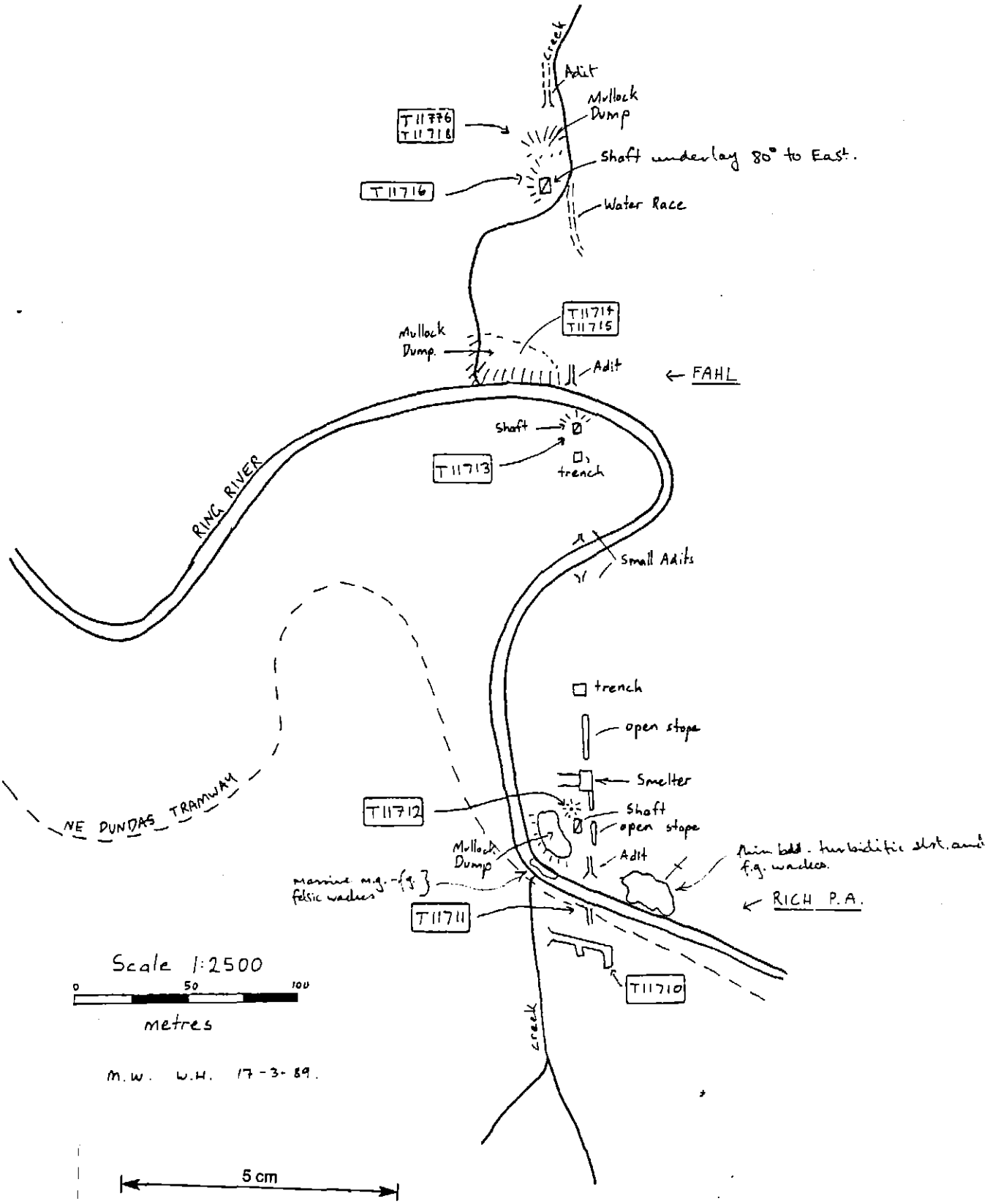
A small shaft on the inside of the bend has, on the dump, some massive siderite with minor pyrite which was sampled as T11713 but found to be not significantly anomalous.

FIGURE ~~24~~ 25

RICH P.A. and FAHL MINES

082093

SKETCH PLAN



On the north bank adjacent is another flooded (inaccessible) adit and westward from that extends a large mullock dump built up above the river bank. Most of this is very sulphide rich consisting dominantly of massive pyrite with patches of brecciated country rock, quartz, arsenopyrite, chalcopyrite, tetrahedrite, jamesonite and minor pyrhottite (Specimens RG 1, 2, 3, 4 in RGC collection). Material of this type was grab sampled in T11714 which is distinctly anomalous in Cu, Pb, Ag, As and Sb. There is also subordinate massive siderite with minor pyrite, chalcopyrite and tetrahedrite; Sampled in T11715 this is anomalous in Cu, Ag and Sb.

About 100m to the north are an underlay shaft and nearby north driven adit situated near the bed of a steep gully. There is not much mullock at this shaft (or rise ?). Mullock from the adit is mostly massive pyrite and quartz and tetrahedrite material sampled as T11716 which assayed 5% Cu, 1.2% Pb, 3980g/t Ag, 0.07% Bi, 1.57% As, 1.52% Sb and 0.1g/t Au. T1176 is of similar material with patches of siderite and contains a similar suite of anomalous metals albeit of somewhat lower grade. Brecciated country rocks with heavy stockwork veining of siderite and minor disseminated pyrite (<5%) were sampled as T11718 but found to be not significantly anomalous.

There seems little doubt that the Rich P.A. and Fahl lodes are connected. The Rich P.A. lode, in the southern part at least, appears to be of the shear zone/breccia type but only weakly mineralized with a little pyrite and arsenopyrite etc. The shaft and extent of surface stopes on the north bank suggest that some better shoots were extracted although we could find none. Northwards to Fahl the lode seems to have opened up to allow open space deposition of 2nd stage siderite and probably 3rd stage massive pyrite, tetrahedrite, jamesonite etc. This is a truly polymetallic vein significantly anomalous in all the metals analysed except zinc, tin and tungsten.

3.20 Exe Proprietary

The Exe River vehicle track crosses the Exe River about 500m

●=Yes
O=1 sample only in group.

	STYLE						METALS									
	W.R. Breccia Aspy ± Py	Massive/vein siderite	Massive/vein Jamesonite	Qtz stringers py, gn, sp etc.	Drusy Qtz veins Aspy, py, po etc.	Ironstone	Cu >0.5%	Pb >0.5%	Zn >0.5%	Bi >500	Sb >1000	As >0.5%	Sn >100	W >100	Ag >50	Au >0.1
EXE PROPRIETARY					●								●			
FRAZER					●		●		O	●		●	●		●	●
GREEN'S					●			O				●	●	●	O	●
BONNIE DUNDEE					●							●			●	
WALLACES EAST	●		●				●	●	●		●	●	●		●	●
WEST	●							●	●			●	●		●	●
SCOUT HUT	●		?								●					
BLOCK 291	●	●	●				●	●	O	●	●	●			●	●
SVENGALI		●														
MOORE'S PIMPLE		●						●	●							
RICH P.A.	●										●				●	
AHL	●	●	●				●	●		●	●	●			●	●
KARLSEN-RILEY		?				●										●
LWR RAMSDALE						●										
KOSMINSKY		●						●	●						●	
COMET/MAESTRIES		●					O	●	●		O	O			●	
PLATT						●		●	●		O				●	●
WEST COMET		●				●		●	●						●	
EVENDEN		●						●	●						●	
GT. NORTHERN CK	●	●		●				●	●			●	O	O	●	
CONSOLS	●							●	●		●	●	●		●	●
NO. 1 CURTIN DAVIS	●	●	●				●	●	●	●	●	●	●		●	O
SOUTH CURTIN DAVIS	●	●					●	●	●	●	●	●	●		●	
SOUTH WEST CURTIN DAVIS	●	●					●			●	●	●			●	
CROWN CURTIN	●						●	O		●	●	●			●	O
C.D. EXTENDED		●					●	●	●	●	O				●	
CURTIN DAVIS	●	●					●	●		●	●	●	O		●	O
HECLA	●	●					●	●	●	●	●	●	O	O	●	
MOORE'S PIMPLE		●				●		O	O							
EXE PROPRIETARY					●								●			

6. REFERENCES

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ANALABS

A Division of Macdonald Hamilton & Co. Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No	PAGE
	95.1.08.06027	21/03/89	0607	2 OF 8

TUBE No.	SAMPLE No.	Cu	Cu	Pb	Pb	Zn	Zn	Ag	Ag	Bi
1	T07981	2300	-	-	31.50	-	0.95	-	1226	100
2	T07982	-	2.61	-	2.65	-	2.18	-	314	5500
3	T07983	-	2.02	-	2.28	655	-	-	1506	-
4	T07984	5000	-	-	6.97	-	22.61	-	212	180
5	T07985	1700	-	-	2.15	-	-	-	124	140
6	T07986	5350	-	-	7.57	-	22.87	-	426	590
7	T07987	-	1.27	-	2.10	1400	-	-	2949	-
8	T07988	-	1.48	5000	1.00	865	-	-	1136	-
9	T07989	130	-	3400	-	150	-	29.0	-	100
10	T07990	7750	-	5800	-	3000	-	-	-	520
11	T07991	-	3005.0	-	1.02	970	-	-	1274	960
12	T07992	-	2.25	-	6.09	-	2.28	-	790	1100
13	T07993	6100	-	225	-	250	-	31.0	-	70
14	T07994	-	2.55	2300	-	865	-	-	235	440
15	T07995	-	7.08	310	-	1900	-	-	2965	2700
16	T07996	-	2.32	200	-	925	-	-	917	480
17	T07997	5600	-	4000	-	355	-	32.5	-	570
18	T07998	485	-	120	-	80	-	17.0	-	160
19	T07999	1550	-	515	-	70	-	-	41	70
20	T08000	225	-	240	-	220	-	17.0	-	<10
21	T10153	880	-	50	-	50	-	-	237	<10
22	T10154	110	-	25	-	145	-	0.5	-	<10
23	T10155	30	-	30	-	145	-	<0.5	-	<10
24	T10156	245	-	25	-	245	-	<0.5	-	<10
25	T10157	200	-	35	-	430	-	1.0	-	<10

Results in ppm unless otherwise specified
\- = element present, but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

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ANALYTICAL DATA

FIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No	PAGE
	95.1.08.06027	21/03/89	0607	6 OF 8

Bi	Au	AuChk	As	As	Sb	Sn	W	
-	0.02	-	-	2.34	3050	55	<200	
-	<0.01	-	-	9.00	23700	39	<200	
1.45	0.01	-	-	5.95	21700	72	<200	
-	<0.01	-	745	-	173	200	<200	
-	<0.01	<0.01	735	-	123	167	<200	
-	0.01	-	3980	-	148	496	<200	
1.55	0.05	-	-	3.49	1240	68	<200	
1.64	0.05	-	-	19.50	3500	56	<200	
-	<0.01	-	2910	-	72	16	<200	
-	<0.01	-	1160	-	344	17	<200	
-	<0.01	-	1850	-	9220	59	<200	
-	0.05	0.03	3720	-	388	34	<200	
-	<0.01	-	-	1.21	366	5	<200	
-	0.03	-	-	7.85	5220	29	<200	
-	0.03	-	-	1.13	33100	67	<200	
-	<0.01	-	-	3.87	14500	36	<200	
-	<0.01	-	-	25.20	4840	14	<200	
-	<0.01	-	1270	-	200	29	<200	
-	<0.01	-	-	3.12	929	84	<200	
-	<0.01	-	723	-	127	36	<200	
-	<0.01	-	400	-	122	31	<200	
-	<0.01	<0.01	70	-	11	6	<200	
-	<0.01	-	79	-	5	5	<200	
-	<0.01	-	72	-	19	8	<200	
-	<0.01	-	61	-	46	6	<200	

unless otherwise specified
result, but concentration too low to measure
concentration is below detection limit
ot determined

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080297

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ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No	PAGE
	95.1.08.06027	21/03/89	0607	3 OF 8

TUBE No	SAMPLE No	Cu	Cu	Pb	Pb	Zn	Zn	Ag	Ag	Bi
1	T10158	2950	-	670	-	200	-	17.5	-	50
2	T10159	85	-	40	-	50	-	1.0	-	<10
3	T10160	50	-	1550	-	865	-	4.5	-	<10
4	T10161	-	2.30	2100	-	825	-	-	775	2400
5	T10162	315	-	585	-	75	-	-	49	480
6	T10163	3200	-	2450	-	80	-	-	115	3900
7	T10164	-	1.29	885	-	305	-	-	170	660
8	T10165	-	2.85	1350	-	615	-	-	850	460
9	T10166	5450	-	-	1.40	390	-	-	286	580
10	T10167	510	-	260	-	120	-	10.0	-	30
11	T10168	305	-	25	-	145	-	3.0	-	<10
12	T10169	255	-	30	-	335	-	<0.5	-	<10
13	T10170	-	1.38	-	9.40	3300	-	-	4315	-
14	T10171	-	3.05	-	1.21	4350	-	-	1288	2300
15	T10172	-	2.31	4300	-	1250	-	-	893	2200
16	T10173	-	1.82	-	1.02	2150	-	-	822	370
17	T10174	-	2.19	2050	-	715	-	-	347	530
18	T10175	520	-	1500	-	120	-	-	36	70
19	T10176	1700	-	1200	-	115	-	-	432	70
20	T10177	1150	-	1650	-	80	-	-	143	5600
21	T10178	85	-	545	-	190	-	7.0	-	80
22	T10179	65	-	35	-	85	-	2.5	-	40
23	T10180	1200		5250	-	200	-	-	115	2900
24	T10181	-	-	-	-	-	-	-	-	-
25	T10182	-	-	-	-	-	-	-	-	-

Results in ppm unless otherwise specified
T = element present but concentration too low to measure
< = element concentration is below detection limit
— = element not determined

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ANALYTICAL DATA

ix	REPORT NUMBER	REPORT DATE	CLIENT ORDER No	PAGE
	95.1.08.06027	21/03/89	0607	7 OF 8

Bi	Au	AuChk	As	As	Sb	Sn	W
-	<0.01	<0.01	109	-	597	6	<200
-	<0.01	-	177	-	26	11	<200
-	<0.01	-	138	-	25	53	<200
-	<0.01	-	-	10.90	17700	35	<200
-	<0.01	-	-	3.60	2360	4	<200
-	<0.01	-	-	2.74	4700	27	<200
-	0.02	-	-	20.40	2900	29	<200
-	0.02	-	-	12.30	5220	60	<200
-	0.31	-	-	6.25	863	65	<200
-	0.02	-	-	1.98	299	22	<200
-	<0.01	-	2380	-	887	9	<200
-	<0.01	-	1000	-	451	14	<200
1.95	0.10	0.09	-	4.46	1860	107	<200
-	0.05	0.07	-	4.46	1990	106	<200
-	0.02	-	-	3.71	9870	40	<200
-	0.01	-	-	1.70	3070	54	<200
-	0.01	-	-	4.51	1540	44	<200
-	0.01	-	2220	-	701	22	<200
-	<0.01	-	-	1.00	394	23	<200
-	<0.01	-	-	3.05	1580	10	<200
-	<0.01	-	855	-	73	8	<200
-	<0.01	<0.01	1100	-	78	7	<200
-	0.02	-	-	7.62	3410	87	<200
	2.87	-	-	-	-	-	-
-	4.10	-	-	-	-	-	-

unless otherwise specified
present but concentration too low to measure
ncentration is below detection limit
determined

AUTHORISED OFFICER

0260980

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A Division of Macdonald Hamilton & Co. Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06070	13/04/89	0611	1 OF 6

TUBE No	SAMPLE No	Cu	Pb	Zn	Ag	Bi	Au	AuChk	As	As
1	T11701	250	175	125	2	100	0.26	0.26	1150	-
2	T11702	550	75	175	90	50	0.43	-	1110	-
3	T11703	1150	100	300	9	50	0.10	-	9310	-
4	T11704	1725	10000	650	10	<50	0.01	-	3480	-
5	T11705	28100	23700	850	269	1400	0.62	-	-	12.90
6	T11706	1775	28300	19200	261	1700	<0.01	-	-	1.15
7	T11707	10000	8500	1900	119	<50	0.01	-	-	2.05
8	T11708	7600	16200	3650	141	450	0.01	-	-	4.25
9	T11709	9500	26500	1475	292	1300	0.01	-	-	11.30
10	T11710	450	575	1675	11	50	0.03	-	2200	-
11	T11711	100	225	175	7	50	0.03	-	2360	-
12	T11712	1750	100	175	119	<50	<0.01	<0.01	576	-
13	T11713	75	100	150	<2	<50	<0.01	-	436	-
14	T11714	9500	10500	175	194	150	0.01	-	7600	-
15	T11715	2575	50	350	349	50	0.31	-	468	-
16	T11716	50400	11500	775	3980	700	0.10	0.11	-	1.57
17	T11717	-	-	-	-	-	0.22	-	110	-
18	T11718	225	75	200	2	<50	<0.01	-	136	-
19	T11719	100	121500	35400	71	<50	<0.01	-	37	-
20	T11720	325	66500	199000	115	450	<0.01	-	39	-
21	T11721	1200	32700	8600	147	<50	0.01	0.01	40	-
22	T11722	200	20000	5500	45	250	0.12	-	1200	-
23	T11723	225	63500	12500	50	<50	0.10	-	1900	-
24	T11724	50	1650	1025	14	450	<0.01	-	75	-
25	T11725	4375	22500	14500	29	<50	0.13	-	300	-

Results in ppm unless otherwise specified
< = element present, but concentration too low to measure
> = concentration is below detection limit
- = element not determined

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ANALABS

A Division of Macdonald Hamilton & Co. Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06070	13/04/89	0611	5 OF 6

Sb	Sb	Sn	Sn	W				
50	-	-	1.34	475				
21	-	1260	-	248				
99	-	-	2.24	197				
154	-	-	1.49	59				
-	1.66	145	-	61				
679	-	14	-	50				
2430	-	92	-	87				
3610	-	37	-	36				
4740	-	56	-	1100				
134	-	22	-	34				
82	-	31	-	152				
1770	-	23	-	<20				
180	-	11	-	<20				
9440	-	18	-	<20				
540	-	3	-	<20				
-	1.52	59	-	<20				
23	-	12	-	<20				
84	-	<3	-	<20				
62	-	<3	-	97				
161	-	6	-	548				
185	-	19	-	<20				
921	-	7	-	<20				
809	-	3	-	<20				
111	-	3	-	<20				
1501	-	24	-	<20				

...unless otherwise specified
...ment present, but concentration too low to measure
...concentration is below detection limit
...t determined

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660280

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A Division of Macdonald Hamilton & Co. Pty Ltd

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06070	13/04/89	0611	3 OF 8

TUBE No	SAMPLE No	Cu	Pb	Zn	Ag	Bi	Au	AuChk	As	As
1	T11751	850	175	325	<2	<50	0.08	0.06	1420	-
2	T11752	450	50	150	<2	50	0.05	-	2160	-
3	T11753	50	25	175	<2	<50	<0.01	-	29	-
4	T11754	225	25	150	<2	<50	<0.01	-	139	-
5	T11755	75	<25	175	<2	<50	<0.01	-	135	-
6	T11756	75	25	125	<2	<50	<0.01	-	372	-
7	T11757	12500	85000	550	1710	4500	9.35	-	-	9.75
8	T11758	2800	570000	2150	2000	100	0.07	0.07	2490	-
9	T11759	4100	370000	675	840	750	0.10	-	1080	-
10	T11760	1125	28250	150	295	<50	0.01	-	5640	-
11	T11761	1875	148000	600	304	300	0.20	-	-	2.57
12	T11762	-	-	-	-	-	0.23	-	150	-
13	T11763	900	305500	775	450	450	0.05	-	-	11.85
14	T11764	1450	430000	1850	319	200	0.03	-	600	-
15	T11765	1600	97500	1300	250	200	0.08	-	14000	-
16	T11766	7100	19000	300	1260	1000	0.02	-	-	1.08
17	T11767	<25	500	250	<2	<50	<0.01	-	69	-
18	T11768	50	225	100	<2	50	<0.01	-	394	-
19	T11769	750	7500	1750	11	<50	<0.01	-	728	-
20	T11770	75	35500	38000	29	<50	0.04	-	50	-
21	T11771	200	125	410	<2	<50	<0.01	-	19	-
22	T11772	75	75	200	<2	<50	<0.01	<0.01	38	-
23	T11773	75	75	350	<2	<50	<0.01	-	44	-
24	T11774	<25	7500	3000	6	<50	<0.01	-	1440	-
25	T11775	50	2500	8500	40	<50	<0.01	-	3410	-

Results in ppm unless otherwise specified
T = element present, but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

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ANALYTICAL DATA

FIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06070	13/04/89	0611	7 OF 8

Sb	Sb	Sn	Sn	W				
159	-	46	-	646				
366	-	71	-	86				
10	-	30	-	<20				
6	-	6	-	<20				
12	-	7	-	<20				
20	-	8	-	<20				
-	2.86	68	-	<20				
3870	-	28	-	<20				
-	15.46	66	-	<20				
1270	-	17	-	<20				
-	5.54	84	-	<20				
249	-	6	-	<20				
-	1.52	65	-	<20				
-	18.52	83	-	<20				
-	2.80	70	-	21				
-	1.27	84	-	<20				
159	-	<3	-	<20				
69	-	3	-	<20				
110	-	<3	-	<20				
466	-	<3	-	93				
35	-	<3	-	<20				
28	-	<3	-	<20				
16	-	4	-	<20				
686	-	12	-	<20				
2510	-	10	-	29				

unless otherwise specified
except but concentration too low to measure
concentration is below detection limit
not determined

AUTHORISED OFFICER

0821100

ANALABS

A Division of Macdonald Hamilton & Co. Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06070	13/04/89	0611	4 OF 8

TUBE No.	SAMPLE No	Cu	Pb	Zn	Ag	Bi	Au	AuChk	As	As
1	T11776	22400	2200	875	1470	<50	0.07	-	8900	-
2	T11777	175	36100	155000	78	<50	0.02	-	28	-
3	T11778	50	125	200	<2	50	0.07	-	138	-
4	T11779	3275	116500	5200	1180	1500	0.11	-	-	1.40
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23	DETECTION	25	25	25	2	50	0.01	0.01	2	0.01
24	UNITS	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%
25	METHOD	10A	10A	10A	10A	10A	30G	30G	40A	40A

Results in ppm unless otherwise specified
T = element present, but concentration too low to measure
X = element concentration is below detection limit
- = element not determined

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Sb	Sb	Sn	Sn	W				
-	1.20	26	-	79				
219	-	11	-	263				
63	-	22	-	<20				
7240	-	39	-	<20				
3	0.01	3	0.01	20				
PPM	%	PPM	%	PPM				
40A	40A	40A	40A	40A				

...unless otherwise specified
...esent, but concentration too low to measure
...concentration is below detection limit
...t determined

AUTHORISED OFFICER

0821 14

APPENDIX 5

Rock Chip Sample Descriptions and Assays

GOLD FIELDS EXPLORATION PTY. LTD.

SAMPLE RECORD AND ANALYTICAL DATA SHEET

COLLECTED BY: MW

PROJECT: EL. 13/88 PROSPECT: Svengali, SAMPLE STORAGE REQ'D: LABORATORY: ANALABS DATE DISPATCHED:

1:250.000 SHEET: TYPE OF SAMPLE: Rock Chip. SAMPLE PREP. REQ'D: ANALYSIS REQ'D: DATE RECEIVED: 13/3/89

A199

SAMPLE NUMBER	LOCATION	DESCRIPTION	ANALYSES All ppm unless stated								
			Cu	Pb	Zn	Ag	Bi	Au	As	Sb	Sb / W
T10154	SVENGALI NE adit. - vein within adit -	White rock - Qtz/Carbonate vein 20 - 0 cm wide.	110	25	145	0·5	<10	<0·01	70	6	11 / <20
T10155	NE adit -	Qtz - carbonate, 10 - 30cm wide. Situated up against planar fault	30	30	145	<0·5	<10	<0·01	79	5	5 / <20
T10156	Station 2 adit (further south)	Qtz - carbonate vein material. 3-8cm thick - at end of adit.	245	25	245	<0·5	<10	<0·01	72	8	18 / <20
T10157	Station 2 adit	Qtz - carbonate lode - 1½m wide. minor pyritised shale fragments.	200	35	430	1·0	<10	<0·01	61	6	96 / <20
T10158	Shaft up hill. 6400N 7275E Montezuma Grid	Grab sample of lode material - Qtz carbonate with 10% py, cpy, tetrahed?	2950	670	200	17·5	50	<0·01	109	6	597 / <20
[redacted]	up hill 6400N 7225E	Strongly sheared siltstone with milky white veins of barren qtz. - Sample in adit	85	40	50	1·0	<10	<0·01	177	11	26 / <20
[redacted]	further up	Slatey siltstones with Qtz veins and 5% py and 1% Cpy. - Dump sample	50	1550	865	4·5	<10	<0·01	138	53	25 / <20

GOLD FIELDS EXPLORATION PTY. LTD. **SAMPLE RECORD AND ANALYTICAL DATA SHEET** COLLECTED BY: MW

PROJECT: E.L. 13/88 PROSPECT: Standards, Frazer Mine, Moores Pimple, Great Northern Ck. SAMPLE STORAGE REQ'D: LABORATORY: ANALABS DATE DISPATCHED:

1:250.000 SHEET: TYPE OF SAMPLE: Rock Chip. SAMPLE PREP. REQ'D: ANALYSIS REQ'D: DATE RECEIVED: 13/3/89 A199

SAMPLE NUMBER	LOCATION	DESCRIPTION	ANALYSES All ppm unless stated								
			Cu	Pb	Zn	Ag	Bi	Au	As	Sb	Sb/Cu
T10181	Standard	Standard	–	–	–	–	–	2·87			
T10182		Standard	–	–	–	–	–	4·10			
T10183		Standard	–	–	–	–	–	2·61			
[redacted]		Sulfide ore within sandy silty host. Vein 10-30cm - 50% of apy, cpy, py? po in wall	2·06%	2050	2380	118	640	0·34		747	290/<2
T10185	Moores Pimple trench on track	Siliceous rock containg 2% py, cpy.	1280	60	70	<0·5	50	0·01	206	<3	68/<2
T10186	trench on transmitter line	Siliceous rock with 1-5% of an unknown opaque min, possibly cassiterite.	130	50	60	0·5	10	0·01	321	7	4/<2
T10187	as above	Qtz/carbonate rock with py and unknown opaque.	15	50	65	<0·5	80	<0·01	25	5	<3/<2
[redacted]		mineralised siltstone - 35cm wide vein of 5-20% Jamesonite,	265	3·30%	7·11%	135	320	<0·01	9730	94	716
[redacted]		30cm wide vein of mineralisation, (20-90%) sulfides = Jamesonite, Gn, sph Rock has a brecciated appearence.	280	14·95%	4·93%	330	80	<0·01	<5	40	294/30
[redacted]		Brecciated siltstone ore (50-80% sulfides) sph, gn, jam, minor py, apy, siderite	980	21·60%	28·00%	435	50	0·01		167	713
[redacted]	near shaft.	Qtz/pyrite (50-90% py) - minor Gn.	60	7650	5980	22·0	80	0·01		26	138/39
[redacted]		Standard.	–					0·13			

082104

GOLD FIELDS EXPLORATION PTY. LTD. — **SAMPLE RECORD AND ANALYTICAL DATA SHEET**

PROJECT E.L. 13/88 | PROSPECT Fahl/Rich P.A. | SAMPLE STORAGE REQ'D: | LABORATORY: ANALABS | COLLECTED BY: M.W

1:250.000 SHEET: | TYPE OF SAMPLE: Rock Chip | SAMPLE PREP. REQ'D: | ANALYSIS REQ'D: | DATE DISPATCHED: | DATE RECEIVED: 13/9/89

A199

SAMPLE NUMBER	LOCATION	DESCRIPTION	ANALYSES All ppm unless stated. Cu	Pb	Zn	Ag	Bi	Au	As	Sn	Sb
~~T11710~~	Fahl, Rich P.A.		~~450~~								
~~T11709~~	Southern Adit end of adit in cut.	Mineralised rock, weathered with py, sidesite and cpy?	450	575	1875	11	50	0.03	2200	22	134
T11711	Adit on south bank of Ring River	Min. rock with Py in quartz + siderite	100	225	175	7	50	0.03	2360	31	82
T11712	10m north of shaft	Fine grained sachroidal silica, with 20% disseminated + stringer vein py.	1750	100	175	119	<50	<0.01	576	23	1720
T11713	Shaft in horseshoe of the Ring R.	Siderite or with qtz + py	75	100	150	<2	<50	<0.01	436	11	180
T11714	Northern Dump	Mineralised ore, —(po, cpy, py, qtz + tetrahedrite — 80%) in shale.	5500	10500	175	194	150	0.01	7600	18	9940
T11715	Northern Dump	Siderite ore with cpy, py (20%)	2575	50	250	349	50	0.01	486	3	540
T11716	North Adit + shaft	Brecciated ore with tetra, cpy, jamesonite, siderite, py, minor Qtz	50400	11500	775	3980	700	0.10	1.57%	59	1.52%
T11717		Standard (0.21 g/t)	—	—				0.22	—		
T11718	North Adit + shaft	Siderite ore with py + minor cpy.	225	75	200	2	<50	<0.01	156	<3	84
T11776	North Adit + shaft	Siderite ore with py, cpy, up to 70%	22900	2200	875	1470	<50	0.09	8400	26	1.2%

082105

GOLD FIELDS EXPLORATION PTY. LTD. — **SAMPLE RECORD AND ANALYTICAL DATA SHEET**

COLLECTED BY: MW

PROJECT: 13/88 | PROSPECT: Moores Pimple (also see T10185 – 87), Bear Bumper Cross, Ainslie Trend | SAMPLE STORAGE REQ'D: | LABORATORY: ANAL ABS | DATE DISPATCHED:

1:250.000 SHEET: | TYPE OF SAMPLE: Rock Chip | SAMPLE PREP. REQ'D: | ANALYSIS REQ'D: | DATE RECEIVED: 13/4/89

A199

SAMPLE NUMBER	LOCATION	DESCRIPTION	ANALYSES All ppm unless stated								
			Cu	Pb	Zn	Ag	Bi	Au	As	Sn	Sb / W
T11767	Moores Pimple Adit Dump	Crystalline Barren Carbonate, (dolomite?)	<25	500	250	<2	<50	<0.01	69	<3	159 / <2
T11768	as above	as above	50	225	200	<2	50	<0.01	394	8	99 / <2
T11769	as above	white silicified rock with 5% sulfides (Cn, sph, cpy)	750	1800	1750	11	<50	<0.01	728	<3	110 / <2
T11770	as above	10% Cn in siderite with minor white carbonate	75	35 300	38000	28	<50	0.04	50	<3	468 / 84
T11771	as above	Green rock with fuchsite (60-70%) with carbonate and 1% cpy	200	125	450	<2	<50	<0.01	19	<3	35 / <2
[redacted]		Qtz vein - carvernous with Fe	75	75	200	<2	<50	<0.01	35	<3	28 / <2
[redacted]		Carbonate with 1% py.	75	75	350	<2	<50	<0.01	44	4	16 / <2
[redacted]											
[redacted]	[redacted]	Siliceous rock with 5% py on fault.	<25	1800	3000	6	<50	<0.01	1690	12	687 / <2
[redacted]		Siliceous ore with 20% py, 10% Cn and 5% sph.	50	23600	8500	40	<50	<0.01	3910	10	2510 / 2

082106

APPENDIX 6

Interpretation of Aeromagnetic data from

E.L.'s 101/87 (Dundas) and 13/88

(Moores Pimple) by Bruce Wyatt

082108

Interpretation of Aeromagnetic data from EL's 101/87 (Dundas) and 13/88 (Moores Pimple),

QUEENSTOWN SK 55-5

for

RGC Exploration Pty. Limited

Bruce Wyatt

April 1990

Wyatt & Associates
21 Custance St, FARRER
PO Box 705 MAWSON ACT 2607
Phone 06 2863519

Summary

A helicopter magnetic survey was flown for RGC Exploration Pty Limited by Geoterrex Pty Limited in March 1989. It covered approximately 270 square kilometres and was flown at 75 metres terrain clearance along east-west lines spaced 150 metres apart. The survey was designed to assist both geological mapping and identification of structures and exploration target areas as part of an exploration program being conducted by RGC Exploration in this area.

Various presentations of the magnetic field have been used to define a large number of linear features which may indicate geological faults and other structures. Most of these lineaments trend between north-northwest and north-northeast, with several in the Henty area trending to the northeast or northwest. A few lineaments trend east-northeast or east-west. A few possible circular features have been interpreted.

One hundred and four anomalies have been delineated in EL's 101/87 (Dundas) and 13/88 (Moores Pimple), as well as another 66 anomalies just outside the boundaries of the leases. All of the anomalies have been classified according to their size, shape, amplitude, location, and environment. The more highly rated ones are recommended for follow up by investigation of previous work, ground checking and magnetics, and drilling. The number of anomalies to be followed up is dependent on the success achieved with higher priority ones and with anomalies of similar characteristics and in a similar environment. In all cases, high resolution ground magnetics and detailed computer modelling is necessary to define targets for testing by drilling.

The magnetic data presentations and interpretation plates should be used to assist future mapping, geological interpretation, and exploration work. Areas of serpentinite and ultramafic complexes with high amplitude magnetics anomalies should be re-mapped or re-interpreted using the magnetic maps and interpretation to provide additional control. Any unexplained anomalies should be computer modelling in detail, to define possible targets.

It is recommended that ground electromagnetic techniques be considered as a means to differentiate near surface conductors from other magnetic sources, and that downhole geophysical techniques be considered in drillholes where anomalies have been targeted but have not been satisfactorily explained by core logging.

A complete list of anomalies and their characteristics is given as Appendix B.

082110

Table of Contents

Summary

Table of Contents

List of Tables

List of Figures

List of Plates

1 Introduction 1
1.1 Survey specifications 1
1.2 Survey Grids 1

2 Geology 2

3 Previous geophysical surveys 4
3.1 Previous Airborne Magnetic Surveys 4

4 Magnetic interpretation 5
4.1 Data processing and presentation 5
4.2 Physical Properties 6
4.3 Magnetic sources 7
4.4 Magnetic anomalies 8
4.5 EL's 101/87 Dundas, 13/88 Moores Pimple 9
4.5.1 Anomalies 9
4.5.2 Modelling 13
4.5.3 Lineaments 26

5 Recommendations 27

6 References 29

APPENDIX A Frequency distribution of data 32
A.1 Total magnetic intensity 32
A.2 Residual magnetic intensity 33
A.3 Radar altimeter 34

APPENDIX B Magnetic anomaly coordinates 35

List of Tables

1 Physical properties of rocks and ores 6
2 Magnetic properties of rocks and ores 7
3 Magnetic anomaly amplitudes over ellipsoids 8

List of Figures

1 Modelled profile. Anomaly 112, line 15401 15
2 Modelled profile. Anomaly 114, line 14501 16
3 Modelled profile. Anomalies 116, 117, line 14001 17
4 Modelled profile. Anomalies 114, 223, line 14701 18
5 Modelled profile. Anomalies 149, 154, line 14701 19
6 Modelled profile. Anomaly 177, line 12301 20
7 Modelled profile. Anomaly 177, line 12602 21
8 Contours of observed magnetic field Dunkley-Cuni area 22
9 Contours of computed magnetic field over ellipsoid model 23
10 Contours of computed magnetic field over rectangular prism model 24
11 Contours of residual magnetic field over rectangular prism model 25

15 – 18 missing – letter sent

missing – letter sent 5 6 92

List of Plates

1 Residual magnetic intensity image with 10 nT contours 39
2 Residual magnetic intensity image with 2 nT contours 40
3 Magnetic variation image 41
4 Magnetic second derivative image 42
5 Magnetic second derivative image 43
6 Location map 1:25000 scale
7 Residual magnetic contours, 10 nT interval, 1:10000 scale - (1 of 3)
8 Residual magnetic contours, 10 nT interval, 1:10000 scale - (2 of 3)
9 Residual magnetic contours, 10 nT interval, 1:10000 scale - (3 of 3)
10 Magnetic interpretation, 1:10000 scale - (1 of 3)
11 Magnetic interpretation, 1:10000 scale - (2 of 3)
12 Magnetic interpretation, 1:10000 scale - (3 of 3)

List of Plates (continued)

Note: The following maps have been generated but are *not* necessarily included with this report.

by Geoterrex

Residual magnetic contours, 10 nT interval, 1:10000 scale (9 sheets)

Flight path, 1:10000 scale (9 sheets)

by Pitt Research

Flight path, 1:25000 scale

Residual magnetic intensity contours, 10 nT interval, 1:25000 scale

Residual magnetic intensity contours, 2 nT interval, 1:25000 scale

Residual magnetic intensity profiles, 500 nT/cm, 1:25000 scale

Residual magnetic intensity profiles, 100 nT/cm, 1:25000 scale

Residual magnetic intensity grid profiles, 100 nT/cm, 1:25000 scale

Laminated D-scan prints of images at 1:50000 scale:
- Residual magnetic intensity
- Magnetic intensity downward continued 50 metres
- Magnetic gradient (black and white)
- Magnetic gradient
- Magnetic gradient (artificial sun azimuth 0 degrees)
- Magnetic gradient (artificial sun azimuth 45 degrees)
- Magnetic gradient (artificial sun azimuth 90 degrees)
- Magnetic gradient (artificial sun azimuth 135 degrees)
- Magnetic variation

35 mm slides (total 48)

by RGC Exploration

Laminated stacked profile plots at 1:25000 scale:
- 9-point filter then first horizontal difference bipole
- 5-point filter then second horizontal difference bipole
- 5-point filter then second horizontal difference bipole
- low pass filter (0.05 cycles/data interval cutoff, 21 point) then second horizontal difference bipole
- low pass filter (0.02 cycles/data interval cutoff, 31 point) then second horizontal difference bipole

1 Introduction

A helicopter magnetic survey was flown for RGC Exploration Pty Limited by Geoterrex Pty Limited (Geoterrex) in March of 1989. The survey covered a total of approximately 270 square kilometres over the Renison Mine Lease and exploration leases EL 42/87 (Zeehan), EL 101/87 (Dundas), EL 13/88 (Moores Pimple), and EL 9/66 (Henty). The survey area extends between longitudes 145° 16' 30" and 145° 34' East and latitudes 41° 45' 30" and 41° 54' 15" South (356700 and 381000 metres East and 5359500 and 5375500 metres North). The survey covers part of the QUEENSTOWN 1:250,000 sheet area and parts of the Pieman and Sophia 1:100,000 sheet areas. The area lies to the southwest of Rosebery and includes the town of Zeehan and the Renison Bell tin mine. This report describes the interpretation of EL's 101/87 (Dundas) and 13/88 (Moores Pimple). Seperate reports cover the whole survey area and the other leases (Wyatt, 1990a-d).

The lowest parts of the survey area are immediately east of Zeehan (150 metres above mean sea level) in the southwest of the area and around Lake Pieman (120 metres above mean sea level) on the northern edge. Topography is rugged over all but the western side of the area. The highest peaks are Mount Read (1100 metres) and Mount Dundas (1143 metres).

1.1 Survey Specifications

The survey was flown at a nominal height of 75 metres above the tree canopy. The actual aircraft height averaged about 110 metres above the ground surface which is equivalent to a sensor height of 85 metres. The east-west lines were 150 metres apart and the north-south ties were 1,500 metres apart. Approximately 2,100 line kilometres of data were acquired along the 103 flight lines and 17 ties using Squirrel AS350B helicopter VH-HQO.

The magnetic data were acquired with a Scintrex caesium vapour optical absorption magnetometer with resolution of 0.01 nanoTeslas (nT). The magnetic field strength was sampled and recorded every 0.1 seconds (approximately 4 metres).

Navigation and flight path recovery were achieved using new medium level aerial photography enlarged to 1:15,000 scale and a 35 mm continuous strip tracking camera.

1.2 Survey Grids

All plates produced for this survey use the Australian Map Grid (AMG) as reference. The magnetic anomalies are tabulated in Appendix B with AMG coordinates. Numerous local grids have been used for detailed exploration in the area of the survey. Many of these are shown on Renison's RN/MG83/05 'Grid and Sheet Reference' map, and the work carried out is tabulated by Bishop (1983, 1985b).

2 Geology

Stratigraphic Table - after Corbett (1986)

Quaternary	Qt	talus & scree deposits
	Qa	alluvium & marsh deposits
	Qg	glacial deposits, mainly till
Jurassic	Jdl	dolerite (intrusive sills)
Permian-Carboniferous	Pu	conglomerate, sandstone, mudstone, pebble mudstone
Cambrian		
Intrusive rocks	€b	basalt
	€us	ultramafic rocks and serpentinite
	€g	gabbro, dolerite
Dundas Group	€p	felsic porphyry, generally intrusive, quartz-feldspar-phyric
	€dc	conglomerate, polymict, with fuchsite clasts in some units
	€dd	dolomitic siltstone and sandstone with minor conglomerate
	€dq	quartzite interbedded with black phyllitic mudstone, grey siltstone, minor conglomerate
	€dbr	basalts of Ring River-Dundas area
	€dw	interbedded lithicwacke, siltstone, mudstone and quartz-feldspar-phyric tuff
Central Volcanic Sequence	€p,€ps	Felsic porphyry, generally intrusive
	€cvi	fiamme-bearing eutaxitic tuff of ignimbrite type
	€cvxt	crystal tuff, crystal-lithic tuff, commonly bedded
	€cvvt	fine-grained vitric tuff
	€cvqt	quartz-feldspar-phyric tuff, with lithic clasts
Crimson Creek Formation	€cc	basaltic lithicwacke, siltstone and red to green mudstone, with minor basalt and mafic to ultramafic intrusive rocks
?Proterozoic	Po	interbedded quartzwacke, slate, mudstone and sandstone sequence of Dundas and Huskisson areas

This area includes the Central Volcanic Sequence in the east, the Dundas Group in the central part, and a broad syncline of Ordovician, Silurian and Devonian sediments. Each of these three major rock groups is separated by an unconformity. Permo-Carboniferous sediments and Jurassic dolerite occur on Mount Dundas. Cambrian sediments underlie the Dundas Group and crops out to the northwest from Mount Dundas. Gabbro, porphyry, serpentinite and ultramafic rocks have intruded the Dundas Group.

The intrusives are often fault controlled. The most significant mapped faults strike between north and northeast. These include the Rosebery, Montezuma, and Kapi Faults, and faults parallel to the boundary of the Renison Mine lease. Numerous mines and prospects in this area include Jupiter, Hercules, East Hercules, Svengali, Moores Pimple, Comet, Maestries, Kosminski, South Comet, Curtain Davis, Rich, Fahl, Bonnie Dundee, Ring, Razorback, Melba, and Kapi.

3 Previous Geophysical Surveys

Extensive parts of the area have been subjected to numerous surveys using various geophysical techniques. Most of the work has been carried out by exploration companies and some by government agencies. Additional test surveys have been carried out by contracting companies.

Bishop (1983 and 1985c) has reviewed most of the geophysical work up till 1983 over the Renison Mine Lease and the Dundas area.

3.1 Previous Airborne Magnetic Surveys

A Turair survey was flown over the Renison Bell and Mount Lindsay area by Scintrex Limited in 1973 (Linford, 1973) with a nominal line spacing of 200 metres, along lines oriented northeast and southwest. The magnetic data was contoured at 50 nT intervals.

Turair surveys were also carried out over the Dundas and Dundas (Extended) areas by Scintrex Pty Limited for Geophoto Resources in 1973 (Howland-Rose, 1973). The data has not been examined in conjunction with the current interpretation.

A DIGHEM survey was flown for CSR Limited (CSR) in 1982 over the Dundas area. This survey delineated known structures and minor mineralisation. Only very weak DIGHEM anomalies occurred away from the known mineralisation (MacNamara & Ellis, 1983; Bishop, 1982b).

A DIGHEM survey to the southwest of Zeehan defined several targets in the Stonehenge area. Most of these lie in a large conductive zone which lies along the northern flank of a prominent magnetic feature (Peters & Dvorak, 1982; Bishop, 1982a).

Aberfoyle had an aeromagnetic survey flown over the Waratah to Zeehan area in 1965. The flight line spacing was 400 metres.

A fixed wing aeromagnetic survey was flown by Geoex Pty Limited for the Tasmanian Mines Department in 1981 with east-west lines 500 metres apart and nominal sensor height of 135 metres above ground level. The results were contoured with a 5 nT interval. The latter survey provided data of similar quality to the earlier Turair one. Although the lines were more widely spaced and the sensor height was greater, the better instrumentation employed allowed a finer contour interval to be used. Anomaly amplitudes were about half of those of the Turair survey and this survey did not resolve some of the smaller features.

CSR surveyed nine north-south ground magnetic traverses 200 metres apart and then flew detailed aeromagnetics over the Cuni area and Gordon Limestone further south. East-west lines were flown at 100 metre spacing, nominally 70 metres above ground level (Ellis, 1986).

4 Magnetic Interpretation

4.1 Data Processing and Presentation

The magnetic data are shown as Plates 1 to 5 and 7 to 9. Additional displays of images exist as 35 mm photographic slides and as laminated D-scan paper prints. The contour maps are most useful for indicating the smallest anomalies, and for accurate positioning of all anomalies and other interpreted features. The stacked profiles provide the best display of the relative amplitudes of anomalies and anomaly shape for matching computer generated models. The other images have been filtered to enhance various trends and spectral characteristics, particularly short wavelength features which may be related to faulting.

Geoterrex levelled the data and presented it as 10 nT contours and flight path maps at 1:10000 scale. Some small problems are apparent from 'herring boning' in some areas of the contour maps.

Further levelling and adjustment was applied by Pitt Research. A two dimensional filter was also applied to the grid to remove residual levelling problems which may be due to any of: variations in flying height; variations in bird position relative to the aircraft; non vertical attitude of camera; high frequency diurnal changes; and flight path plotting errors.

The two-dimensional filter was designed to attenuate features with wavelengths less than 300 metres in the north-south direction, and having long wavelengths in other directions (flight line sausages). This filter also slightly reduced the amplitude of some other high frequency features, as can be seen from a comparison of the grid profiles and the stacked profiles. The application of this filter was considered necessary to allow acceptable contouring at a finer interval, and also to allow high pass filtering necessary to accentuate linear features due to faulting.

Pitt Research Pty Limited produced the following products:
- 10 nT and 2 nT contour maps at 1:25000 scale
- 100 nT/cm and 500 nT/cm stacked profiles
- 100 nT/cm grid profiles
- flight path map
- image prints at 1:50,000 scale
- 35 mm slides of images

First and second horizontal difference bipole maps were produced by RGC Exploration in the Canberra office using various amplitudes and scales and after various low pass filters. The products were presented as stacked profiles at 1:25,000 scale.

The distribution of total magnetic intensity, residual magnetic intensity, and altitude readings are summarised as tables in Appendices A.1, A.2, and A.3 respectively.

4.2 Physical Properties

Howland-Rose (1972) measured magnetic and electrical properties of drill core samples of Renison ore and host rocks. The results are summarised in Table 1 below. These tests indicated the Renison orebodies to be some of the most conductive recorded, and were used to justify the use of extensive Turair surveying in the area in 1972.

Table 1 Physical Properties of Rocks and Ores (after Howland-Rose, 1972)

Rock unit name	No. of samples	Conductivity (mhos/m)	Susceptibility ($cgs*10^6$)
Argillite	12	108	2261
Argillite (or Red Rock)	1	55	1000
Basic Dyke	1	0	500
Bassett ore	11	8289	1573
Crimson Creek Argillite	14	44	2355
Dalcoath Quartzite	15	63	1552
Dolomite	2	0	26
Federal ore	5	11537	3326
gabbroic intrusion	2	0	43
Howard (No 3)	1	7692	15000
No 2 Horizon	7	4038	753
No 2 Horizon - Murchison	4	1002	685
No 2 Horizon Ore	4	36571	1005
No 3 Horizon	3	2384	6150
North Stebbins (No 2)	3	31881	1063
N. Bassett orezone	8	2925	12393
Penzance No 3	1	48718	4500
Penzance O. B. (No 2)	1	53846	2300
Red Rock	14	231	1497
Renison Bell Shale	17	1128	4213
Renison Bell Shale/Dalcoath Q'zite	4	9	70
shear 'L'	3	3990	5933
shear 'P'	1	84102	1100
siltstones, N. Bassett structure	1	0	40
South Stebbins (No 2)	2	4914	790
S. Bassett orezone	2	3469	2800
talc and dolomite	1	0	22

Clark (1984) has measured the magnetic properties of 56 rock and ore samples collected from the surface and sub-surface within the area of the Renison mining lease. The results are summarised in Table 2. The quartz-porphyry, spilites, and unhornfelsed sediments are very weakly magnetic and should have little expression in magnetic surveys. The hornfels sample has an intense remanence in spite of its relatively low susceptibility and suggests that quite small porphyry and granite intrusions may be detectable in local magnetic surveys due to the strong response of their baked contact zones. Although there was considerable scatter in the directions of natural remanent magnetisation (NRM), directions with steep negative inclinations predominate. The average susceptibility of fourteen samples collected from massive ore zones is about $7000 * 10^{-6}$ cgs units. The effective remanent magnetisation is in the same general sense as the induced magnetisation and about twice as strong.

Table 2 Magnetic Properties of Rocks and Ores (after Clarke, 1984)

Rocktype	Number of samples	Susceptibility cgs emu * 10^6	NRM intensity microgauss (=0.1 nT)
Quartz porphyry	2	2	1
Hornfels	1	240	7450
Gabbro	4	155	2887
Crimson Creek Formation	1	37	1
Dundas sediment	2	20	<1
Spilite	6	50	8
Ultramafic	3	6527	22850
Serpentinised ultramafic	10	3574	7169
Weathered Ultramafic	1	36	3
No 2 dolomite	4	138	85
No 2 ore	2	3555	3820
Dalcoath Member	1	1800	7340
No 3 ore	6	5673	4058
Federal ore	3	11583	51380
Melba ore	2	7885	12195
Mineralised Renison Bell Member	1	2640	2520
Mineralised Red Rock Member	1	7120	8300
Dolerite	2	165	1475
Red Rock Member	4	46	25
All ore samples	14	7034	15630

4.3 Magnetic Sources

Magnetic anomalies over triaxial ellipsoid models have been computed to indicate the characteristics of anomalies over targets in the Renison mine area. The target size varies in size from 50 * 25 * 10 metres (if close to the existing mine) to 250 * 100 * 20 metres. The targets may have dips of 20 to 30 degrees, corresponding to replacement ore bodies, or they may have dips of 70 to 80 degrees corresponding to fault ore bodies. The targets are massive or semi-massive sulphides with at least 20 percent pyrrhotite and having significant susceptibility and density contrasts.

Using a susceptibility contrast of 0.007 cgs units (0.088 SI units) and assuming the remanent component to be twice the amplitude of the induced component and in the same direction, the smaller of the ore bodies described above would produce an anomaly with peak amplitude of 0.1 nT at a depth of 500 metres below the ground surface, and about 30 nT if close to the surface. The larger body would produce anomalies of amplitude 3 and 500 nT at depths of 500 and 0 metres respectively. These amplitudes correspond to a flying height of 80 metres above ground level. Maximum amplitudes are shown for various tonnages of ore and burial depth in Table 3. Varying the dip of a body buried 100 metres has negligible effect on the anomaly amplitude.

Table 3 Magnetic Anomaly Amplitudes over Ellipsoids

Depth to centre (m)	Maximum anomaly amplitude (nT) over various size bodies 50*25*10 m 25000 t	 150*50*15 m 445000 t	 250*100*20 m 1000000 t
0	27.5	180.5	492.2
50	7.0	53.88	181.2
100	2.7	22.01	82.2
200	0.72	6.21	25.52
300	0.29	2.53	10.75
400	0.14	1.27	5.48
500	0.08	0.73	3.15

4.4 Magnetic Anomalies

All anomalies are located on Plates 10 to 12 and their characteristics are listed in Appendix B. Those anomalies which are recommended for further attention are marked with an asterisk in Appendix B. Any special characteristics or other information about anomalies is described in the following section. Anomalies are tabulated and described in roughly the same numeric order within the major grouping corresponding to whether the anomalies are within the EL boundaries or not. The positions of some anomalies have checked on navigation photos (November 84) to define any possible cultural sources. The flight path recovery film could be used for a more up-to-date check.

In Appendix B, the length and width dimensions correspond to points at half amplitude or maximum slope points on the major and minor axes. To clarify the locations, some anomalies have been given separate numbers but may actually be parts of a single complex anomaly. For example, anomalies 102 to 107 all relate to one ultramafic body. The interpreted depths in Appendix B are based on rule-of-thumb methods and should not be given too much emphasis. Ground magnetic data and modelling are necessary to determine accurate depths.

As virtually all of the high amplitude anomalies are due to near surface serpentinite or ultramafic complexes, it is considered extremely difficult to be able to interpret any particular anomaly, or part of an anomaly, as indicative of mineralisation. The only realistic option is to perform a residual analysis of modelled sources based on the assumed shape and configuration of the ultramafic bodies. Besides assuming a detailed knowledge of the body shape, this approach would require either that the susceptibility be uniform, or that its distribution be well known. In practice, the magnetic data can probably be of most use in these areas for defining the outlines of the ultramafic bodies and for interpreting faults. Then other techniques such as geochemistry, drilling, and EM techniques should be used to investigate the area around the faulted margins.

[redacted]

A large number of small anomalies have been delineated between the Renison Mine Lease and the Razorback ultramafic complex (anomaly 177). Anomalies 118, 120, 121, 125, 126, 131, 132, 155, 180, 181 (and 151 and 153 outside the EL's) are all low amplitude, bullseyes with shallow interpreted depth to sources. None of these is considered as high priority for follow up. They are also masked by the extensive gradient associated with the ultramafic complex.

Anomalies 142, 143 and 144 form part of another serpentinite/ultramafic complex extending into the Renison Mine lease (with anomaly 141).

Anomalies 149 to 150, 154, and 156 to 157 form an asymmetric pattern somewhat similar to that of anomalies 80 to 86 (coincident axes, broader anomalies over an eastern "limb") but with quite different amplitudes. This may be indicative of a synclinal or graben structure. The anomalies have relatively high amplitudes and probably indicate serpentinite or ultramafic complexes. This area is recommended for further investigation. Modelling studies on a profile over anomalies 149 and 154 indicate that anomaly 154 has its source at a depth of 285 metres (Figure 5) and may also be due to ultramafic. The Grand Prize mine is near anomaly 155.

Anomalies 161 to 174 form a north-northwest trending symmetric zone. The extensive gradient indicates considerable depth extent. This zone corresponds to a horst? block of Dundas Group with Gordon Limestone to the west and Fernflow Formation to the east. There has been very little gridding in this zone. Anomalies 161 and 162 are recommended for further investigation.

[redacted]

Anomaly 175 is a larger amplitude bullseye, possibly a small pod of serpentinite or ultrabasic. This anomaly is recommended for follow up.

Anomaly 176 is a poorly defined anomaly on the edge of the survey area.

[redacted]

Anomaly 183 is elongated north-south and has no obvious source. It is co-linear with 187 and 192 (and 241) and could represent the southwest extension of a fault (from the Henty area). This is recommended for further work.

The sources of nearby anomalies 187 to 190, 192, and 193 are not obvious. Poltock Brothers mapped and sampled streams draining the western flanks of Mount Dundas from Comet Creek in the north to Tom Creek in the south. The sediments are probably equivalents of Precambrian Concert Schists, Oonah Quartzite, and Cambrian Crimson Creek Formation and Dundas Group. They include: well sorted quartzites, siltstones, and minor chert; poorly sorted siltstone, greywacke, and conglomerate; carbonates (very fine grained to conglomerates); and acid tuffs and possible basic volcanics. The area is structurally complex with northwest to northeast strikes and dips between 30° and 90°. Several north trending faults were recognised (Poltock Bros, 1982). This area is recommended for further work.

[redacted]

Anomaly 191 corresponds to Jurassic dolerite capping Mount Dundas.

[redacted]

Anomaly 213 is adjacent to a north to north-northeast trending gradient interpreted as a fault (Rosebery Fault).

Anomaly 216 is over an aerial cableway (as are a couple of other very small (<5 nT) anomalies near 375000 mE; 5368000 mN, and one at 376000 mE; 5369100 mN.

Anomalies 217 and 218 are local highs on an extensive north-northeast trending gradient which is interpreted as a major fault.

Anomaly 221 is due to serpentinite. Anomaly 223 is further south again and is interpreted to represent a similar source at a depth of 80 to 100 metres below the ground surface (Figure 4).

Anomaly 224 is on the intersection of two lineaments (north-south and northwest) and on the Rosebery Fault as mapped by Corbett (1986).

Anomaly 351 may be cultural or may result from faulting. Blissett's (1962) map shows major east-west faulting in this region.

Anomaly 385 is a low amplitude (2 nT) north-northwest striking linear anomaly which is

parallel to anomaly 350 (and the major synclinal axis). This may represent the same unit, offset by faulting.

The following anomalies are outside the Dundas and Moores Pimple EL boundaries.

Anomaly 37 occurs over mapped Pleistocene moraine overlying Dundas Group. There are no cultural features on photos and the anomaly is recommended for further checking. Zeletic (1985) has summarised previous work in this area (referred to as EL 5/63 Area 6 in that report).

Anomaly 109 is an elongated anomaly with no known explanation. It is recommended for follow up, but as a lower priority target.

Anomaly 110 corresponds to outcrop of Cambrian basalts on the Ring River.

Anomalies 148 and 158 are similar to 348 and 349, being bullseye anomalies on the flank of the extensive anomaly below anomalies 332 to 347 and 145 to 147. They are recommended for further investigation.

Anomalies 204, 209, 210, 212, 219, 220, and 221 form a north-south trending linear high amplitude zone, corresponding to the Colebrook Hill Cambrian ultramafic complex. Anomalies 205 to 208 to the east of this zone and 201 and 202 to the west may represent additional ultramafics. Several drill holes by the Electrolytic Zinc Company (EZ) indicated skarns with associated Cu mineralisation but little tin.

Anomalies 214 and 215 are adjacent to a north to north-northeast trending gradient interpreted as a fault (Rosebery Fault). Anomaly 215 is close to the Jupiter mine.

Anomaly 222 probably indicates the southern extremity of ultramafic rocks (defined by anomalies 204, 209, 210, 212, 219, and 220).

Anomalies 225, 226, 229, and 301 are low amplitude (<15 nT) and occur in the vicinity of Hercules and East Hercules mines. Anomaly 226 is over an aerial cableway.

Anomalies 227, 228, and 230 form a roughly north-south trending curvilinear feature with no obvious cause in the mapped geology. The source is interpreted to be very close to the surface. Ground investigation is recommended to determine the source (and also the source of most other anomalies to the east, south, and southeast from this area).

Anomalies 232 to 246 are all due to shallow (<45 metre depth) linear sources. They reflect the north-northwest strike in this area, but the nature of their source is not obvious from the mapped geology (Corbett 1986). Anomalies 234 and 236 are adjacent to an anticlinal axis, and 235 is adjacent to a contact. The most prominent anomaly (237 to 239) has a maximum amplitude of 150 nT. Ground investigation is recommended to determine the cause. Anomalies 241 and 242 may represent faulted? extensions of this same source.

The Dunkley-Cuni area contains anomalies 145 to 148, 158, and 331 to 349. These anomalies are all superimposed on a long wavelength anomaly which has been investigated previously and drilled (DDH S1200), but never satisfactorily explained. Most of the anomalies occur within a sub circular area defined by an extensive gradient (or within three adjacent areas comprising anomalies 332 to 340; 341 to 343; and 145, 344 to 346).

CSR flew aeromagnetics over the eastern part of the anomaly complex with east-west lines 100 meters apart, 70 metres above ground level. Although the specifications are more

detailed than the current survey, the resolution does not appear to be as good, probably because of excessive filtering before contouring. Previous modelling (Ellis '86) indicates a deep body at 700 to 800 metres depth with shallow (250 to 300 metres) east-west sources on the flanks. The current data indicates that the shallower sources have a north-south strike which explains CSR's difficulty in correlating anomalies on their north-south grid lines. The north-south trends are consistent with the trend of old mines which extracted copper-nickel sulphides from gabbro. Anomalies 146, 158, and 346 are referred to as the North Cuni anomaly, the South Nevada anomaly, and the South Cuni anomaly respectively.

Anomaly 335 has previously been covered with ground magnetics, VLF, and UTEM on the Dunkley, Dunkley Fault, and RTAE grids. Magnetic modelling and subsequent drilling of DDH S1200 failed to explain the cause of the anomaly (Bishop, 1985a).

The main (long wavelength) Dunkley-Cuni anomaly has no negative component and so must dip to the south, or have dominant remanent component with more vertical magnetisation. Modelling studies (Figure 8 to 11) using simple sphere, ellipsoid, and rectangular prism models suggest that much of the long wavelength anomaly can be accounted for by a near-horizontal plate model at a depth of about 350 metres (possibly shallower in the northwest). The edges of the plate correspond to major faults. The more localised (shallower) magnetic anomalies occur near the faulted edges of the plate and represent the best exploration targets in this area. A strong gradient, about 500 metres to the east of anomalies 146, 147, and 158, coincides with a linear row of old mines and prospects including the Cuni and McKimmie mines.

The main Dunkley-Cuni anomaly is located to the east of the northeast trending Dunkley Fault and a major north-northwest trending fault. Anomaly 332 occurs near the junction of these two major faults and does not appear to have been previously recognised. Anomalies 332 and 335 and the linear anomaly through 341 to 343 are recommended for further investigation.

Anomalies 348 and 349 have no obvious cultural explanation on the air photos.

Anomaly 349 is very close to faulted Gordon Limestone contact and should be investigated. It is in a similar setting to anomaly 370 but is on the opposite side of the large syncline.

Anomaly 350 is a persistent linear feature trending to 340° parallel to the major syncline and close to its axis.

Anomaly 362 is along the old Emu Bay railway track, and probably has a cultural origin.

4.5.2 Modelling

Several of the more prominent anomalies have been computer modelled to provide a better appreciation of the shape and nature of their sources. It is stressed that the models are not unique, and that various simplifying assumptions have been made in terms of the geometries of the bodies employed in the models. More detailed ground magnetic readings and modelling studies would be required before drill targets could be defined.

All modelled profiles (Figures 1 to 7) are oriented 'looking North' and show each measured observation of the total field as a '+' symbol, and the computed field (at the same points) as a solid line. Those models which comprise more than one body also show the computed anomaly due to each body as a dotted line. The contour plans of Figure 8 also show observation points as '+' symbols, about 350 metres apart. Elevation has been

taken as constant at 85 metres for all models except for Figures 6 and 7. Figure 6 uses the actual aircraft ground clearance. Figure 7 uses the aircraft ground clearance added to digitised topography.

Units on all model plots are kilometres and nanoTeslas, with arbitrary origins. Remanence has not been included in any of the models because of lack of adequate control. Measurements from the Renison Mine Lease indicate that remanence is generally in the same general direction as the induced magnetisation, and about twice as strong. The earth's main field has been taken as 62371 nT amplitude, inclination -72.4°, and declination 12.7°.

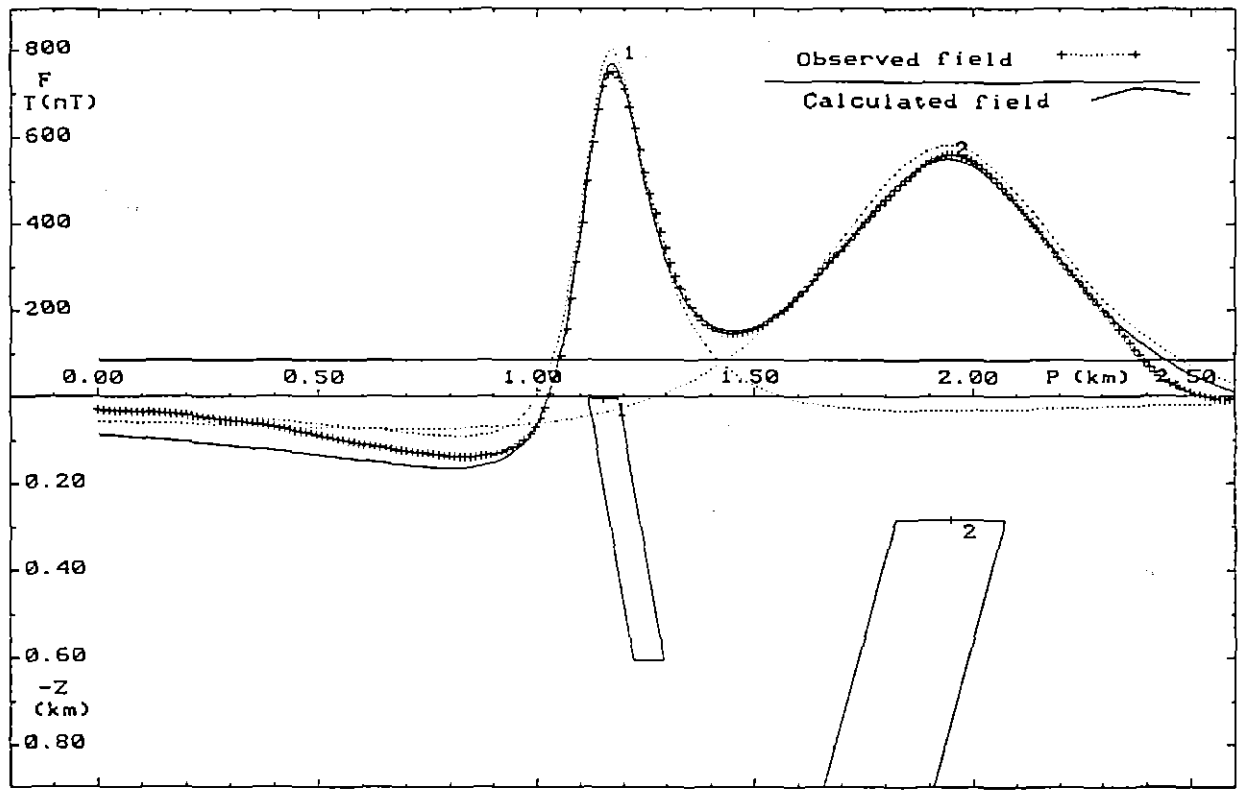


Figure 5 Observed and Computed Profile. Anomalies 149, 154 Line 14701

body 1 type:	2-D dyke
susceptibility:	0.14 SI units
width:	70 metres
dip:	80°
depth:	5 metres
depth extent:	600 metres
reference point:	5365750 metres North, 372165 metres East
strike:	355° east of true north
body 2 type:	2-D dyke
susceptibility:	0.14 SI units
width:	250 metres
dip:	105°
depth:	100 metres
depth extent:	900 metres
reference point:	5365758 metres North, 372961 metres East
strike:	355° east of true north

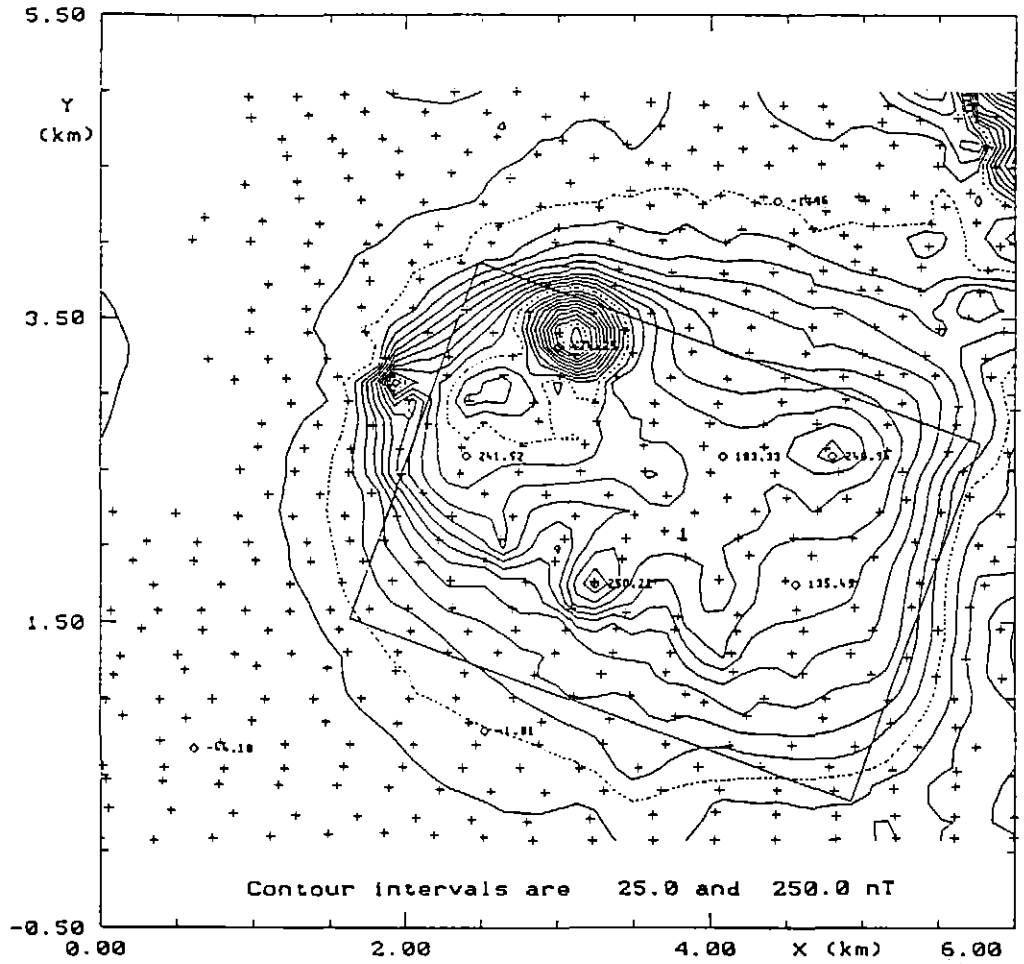


Figure 8 Contours of Observed Magnetic Field. Dunkley-Cuni area

The origin of this plot is at 5365000 metres North, 361000 metres East. Samples have been taken approximately every 3560 metres along flight lines, so most of the shorter wavelength anomalies have been eliminated from this presentation. The result should be compared with the modelled examples shown in the following Figures.

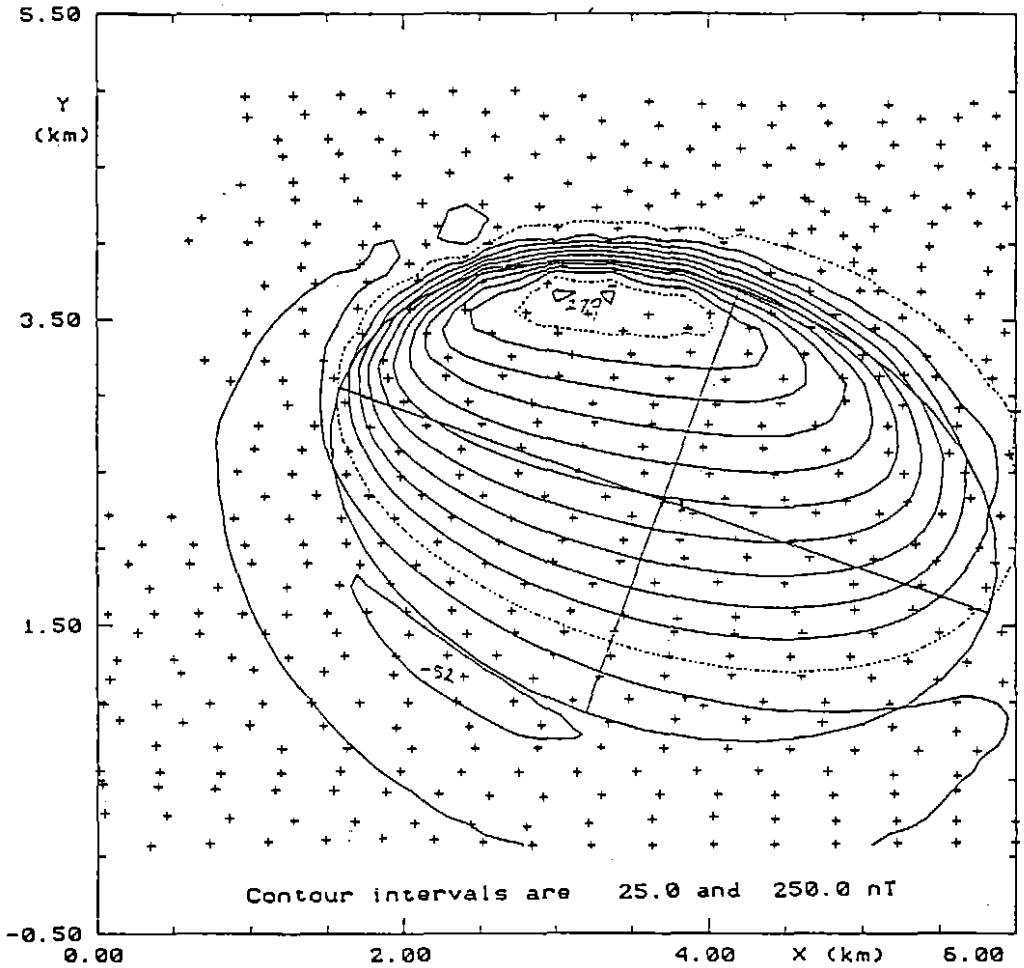


Figure 9 Contours of Computed Magnetic Field over Ellipsoid Model

body type:	ellipsoid
length:	4500 metres
width:	3000 metres
height:	150 metres
susceptibility:	0.07 SI units
reference point:	5367300 metres North, 364780 metres East
depth:	350 metres
strike:	110° east of true north
dip:	100°
plunge:	5°

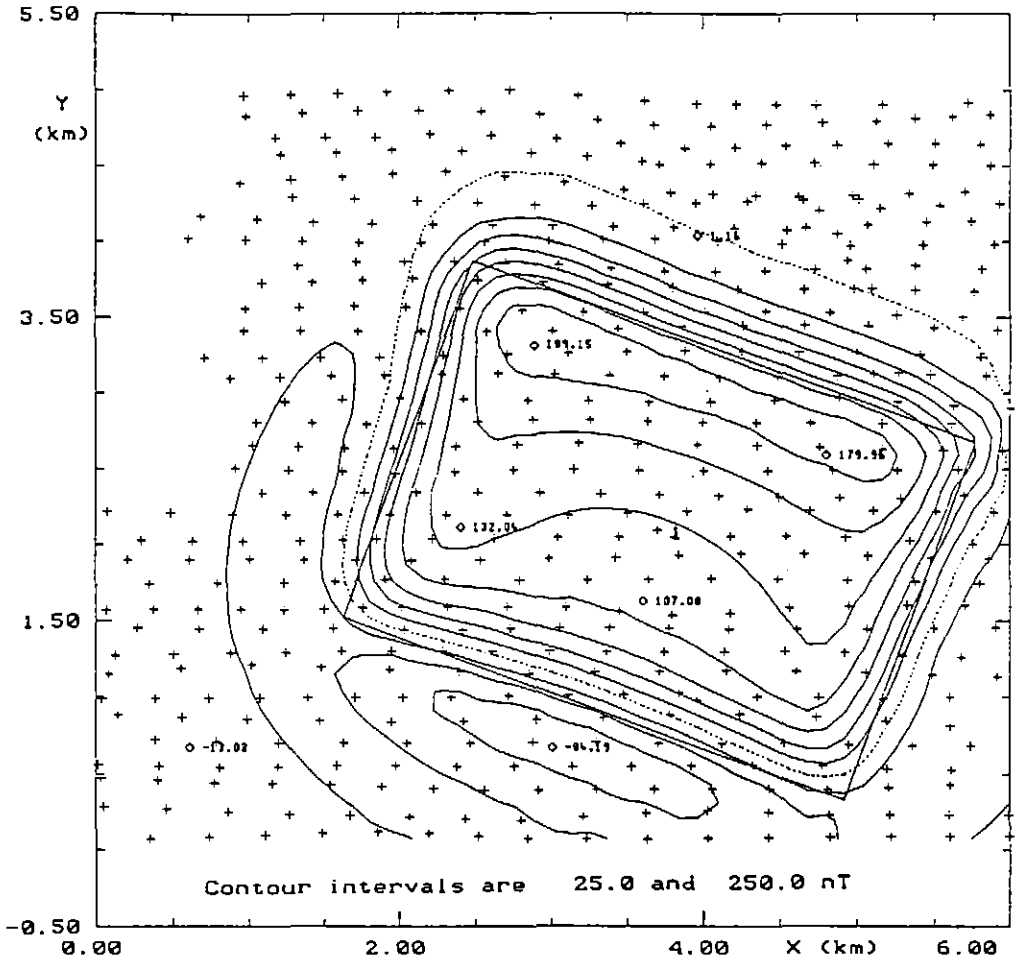


Figure 10 Contours of Computed Magnetic Field over Rectangular Prism Model

body type:	rectangular prism
length:	3500 metres
width:	2500 metres
height:	120 metres
susceptibility:	0.07 SI units
reference point:	5367100 metres North, 364700 metres East
depth:	350 metres
strike:	110° east of true north
dip:	90°
plunge:	0°

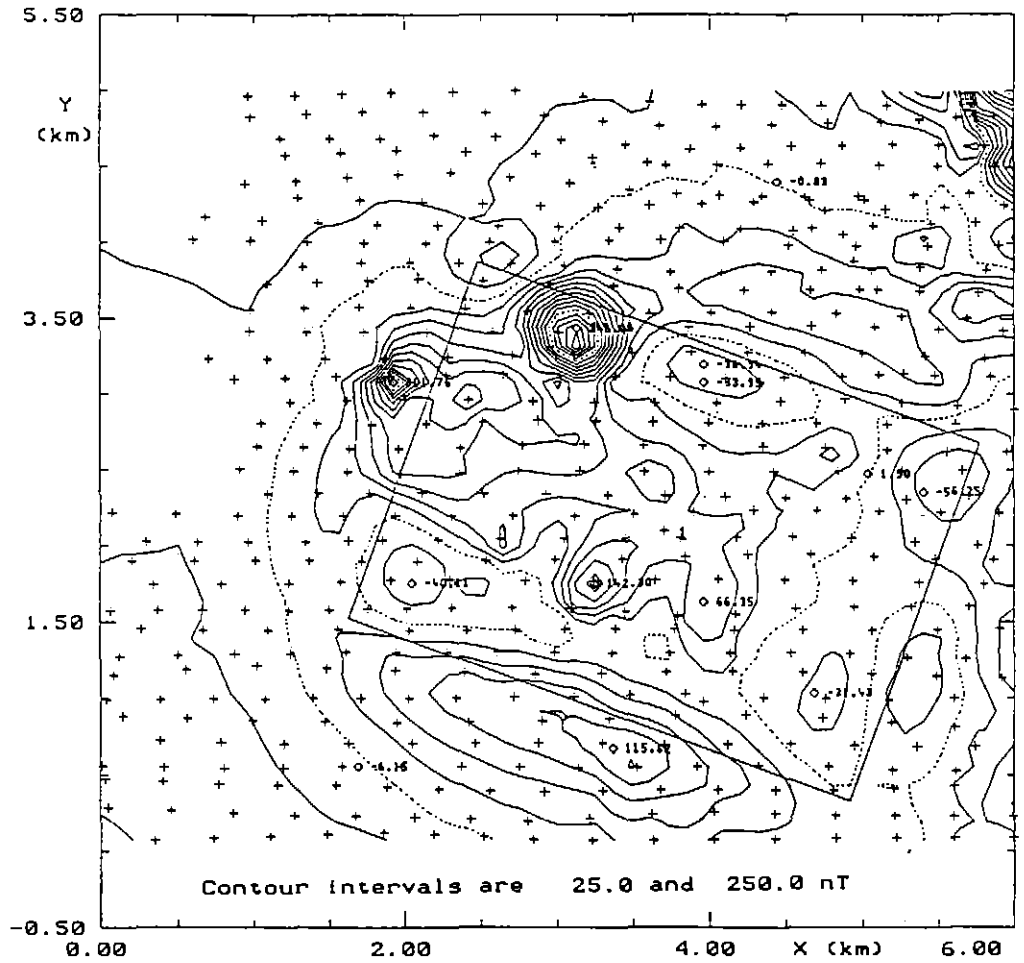


Figure 11 Contours of Residual Magnetic Field over Rectangular Prism Model

body type:	rectangular prism
length:	3500 metres
width:	2500 metres
height:	120 metres
susceptibility:	0.07 SI units
reference point:	5367100 metres North, 364700 metres East
depth:	350 metres
strike:	110° east of true north
dip:	90°
plunge:	0°

4.5.3 Lineaments

[redacted]

A north-south trending lineament occurs west of anomalies 80, 81, 82, 84, 85, 149, 150, 156, 157 and truncating anomalies 161, 166, and 167.

A north-south trending lineament occurs through anomalies 327?, 328?, 330?, 341, 342, 347, 348, 349, 350, and 385.

A north-south trending lineament occurs west of anomalies 247, 269, 276, 295, 298, 299, and 300. This trend is defined by a gradient and a major change in magnetic character and is used in this interpretation as the geological boundary between the Moores Pimple and Henty areas.

A north-south trending lineament occurs on the eastern side of the long wavelength anomaly between anomaly 88 and anomaly 158.

North-south trending lineaments occur both east and west of anomalies 203, 204, 209, 210, 212, 219, 220, 221 and possibly 222 and 223.

[redacted]

The Rosebery Fault is not well defined by the magnetic data. Part of it appears to correspond to a weak gradient (on the 2 nT contours of Plate 2) to the east of anomalies 197, 199, 223, and 231. A sharper gradient is evident to the west of anomalies 213, 214, and 215.

A north-northeast lineament lies east of anomalies 222, 218, 217, and then trending more northerly. [redacted]

East-northeast lineaments have been interpreted both north and south of anomalies 182, 183, 187, and 192 and also to the north and south of anomalies 173, 175, 178, and 179.

[redacted]

Anomalies 146, 147, and 332 to 347 occupy a sub-circular area on a more extensive circular anomaly. The magnetic low around 365000 mE, 5364000 mN appears as a circular feature on some of the filtered images, due to a few small anomalies surrounding it. This is possibly a reflection of the shape of part of the broad Ordovician-Devonian syncline.

5 Recommendations

1 Many anomalies are recommended for further investigation. The number of anomalies to be followed up is dependent on the success achieved with higher priority ones and with anomalies of similar characteristics and in a similar environment.

2 In all cases, high resolution ground magnetics and detailed computer modelling is necessary to define targets for testing by drilling. The ground magnetic surveys should be designed with lines perpendicular to strike (if practicable) and extending beyond the anomaly far enough to allow accurate definition of the background field, and with sufficient lines to define the strike and anomaly maximum. It is recommended that ground magnetic surveys be conducted along lines spaced 50 metres apart with readings spaced no more than 10 metres apart.

3 Previous detailed geophysics, geology, and drilling should be taken into account before further work is undertaken on any magnetic anomalies.

4 The magnetic data presentations and interpretation plates should be used to assist future mapping, geological interpretation, and exploration work. The routine use of susceptibility meters to assist field mapping is suggested.

5 Areas of serpentinite and ultramafic complexes with high amplitude magnetics anomalies should be re-mapped or re-interpreted using the magnetic maps and interpretation to provide additional control. Any unexplained anomalies should be computer modelling in detail, to define possible targets.

6 Ground electromagnetic techniques should be considered as a means to differentiate near surface conductors from other magnetic sources.

7 Downhole geophysical techniques should be considered in drillholes where anomalies have been targeted but have not been satisfactorily explained by core logging.

8 Specific anomalies which are recommended for further investigation are listed below, along with their coordinates. A complete list of anomalies and their characteristics is given as Appendix B.

Ref no.	AMG coords East	North
[redacted]		
157	367100	5365460
161	366840	5364500
162	366960	5364150
175	369000	5360870
183	371350	5360500
[redacted]		
188	372470	5360370
189	372780	5360500
190	373040	5360200
[redacted]		
227	375850	5366700

Anomalies outside the boundary of EL's 101/87 Dundas and EL 13/88 Moores Pimple

Ref no.	AMG coords East	North
109	373400	5369400
148	365300	5365920
149	367180	5366760
150	367190	5366470
158	366050	5365150
228	375850	5365950
230	376100	5365300
237	376650	5360550
238	376520	5361430
239	376320	5362170
332	362970	5368100
335	364100	5368370
341	364600	5367450
343	364210	5366750
386	373000	5359800

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In addition to the above references, information has also been obtained from various maps, sections, and drill logs produced by various Renison Bell mine geologists, and from communications with Jonathan Lea (Renison Mine) and Stephen Mudge, John Crossing, and Mark Fleming (all RGC Exploration).

APPENDIX A Frequency Distribution of Data

A.1 Frequency Distribution - Total Magnetic Intensity

Class interval (nT)	Frequency distribution Relative	Cumulative
61122 to 61245	86	86
61245 to 61368	133	219
61368 to 61490	487	706
61490 to 61613	641	1347
61613 to 61736	1129	2476
61736 to 61859	2677	5153
61859 to 61981	8752	13905
61981 to 62104	19872	33777
62104 to 62227	41840	75617
62227 to 62350	152180	227797
62350 to 62472	148455	376252
62472 to 62595	38582	414834
62595 to 62718	11382	426216
62718 to 62841	4874	431090
62841 to 62963	2696	433786
62963 to 63086	1859	435645
63086 to 63209	1207	436852
63209 to 63332	1005	437857
63332 to 63454	897	438754
63454 to 63577	797	439551
63577 to 63700	605	440156
63700 to 63823	499	440655
63823 to 63945	381	441036
63945 to 64068	334	441370
64068 to 64191	303	441673
64191 to 64314	500	442173
64314 to 64436	511	442684
64436 to 64559	500	443184
64559 to 64682	366	443550
64682 to 64805	309	443859
64805 to 64927	320	444179
64927 to 65050	333	444512
65050 to 65173	353	444865
65173 to 65296	296	445161
65296 to 65418	279	445440
65418 to 65541	232	445672
65541 to 65664	171	445843
65664 to 65787	128	445971
65787 to 65909	228	446199
65909 to 66032	143	446342
66032 to 66155	112	446454
66155 to 66277	81	446535
66277 to 66400	41	446576
66400 to 66523	12	446588
66523 to 66646	19	446607
66646 to 66768	8	446615
66768 to 66891	14	446629
66891 to 67014	15	446644
67014 to 67137	20	446664
67137 to 67259	20	446684

A.2 Frequency Distribution - Residual Magnetic Intensity

Class interval (nT)	Frequency distribution Relative	Cumulative
883 to 1006	99	99
1006 to 1129	168	267
1129 to 1251	534	801
1251 to 1374	716	1517
1374 to 1497	1346	2863
1497 to 1620	3384	6247
1620 to 1742	11791	18038
1742 to 1865	21873	39911
1865 to 1988	104881	144792
1988 to 2111	187319	332111
2111 to 2233	71969	404080
2233 to 2356	17607	421687
2356 to 2479	7321	429008
2479 to 2602	3476	432484
2602 to 2724	2147	434631
2724 to 2847	1639	436270
2847 to 2970	1135	437405
2970 to 3093	905	438310
3093 to 3215	851	439161
3215 to 3338	674	439835
3338 to 3461	563	440398
3461 to 3584	430	440828
3584 to 3706	360	441188
3706 to 3829	342	441530
3829 to 3952	337	441867
3952 to 4075	551	442418
4075 to 4197	522	442940
4197 to 4320	436	443376
4320 to 4443	324	443700
4443 to 4566	307	444007
4566 to 4688	336	444343
4688 to 4811	331	444674
4811 to 4934	334	445008
4934 to 5057	268	445276
5057 to 5179	236	445512
5179 to 5302	198	445710
5302 to 5425	159	445869
5425 to 5548	176	446045
5548 to 5670	218	446263
5670 to 5793	125	446388
5793 to 5916	98	446486
5916 to 6039	65	446551
6039 to 6161	25	446576
6161 to 6284	12	446588
6284 to 6407	19	446607
6407 to 6530	8	446615
6530 to 6652	14	446629
6652 to 6775	16	446645
6775 to 6898	20	446665
6898 to 7021	19	446684

A.3 Frequency Distribution - Radar Altimeter

Class interval (metres)	Frequency distribution Relative	Cumulative
52 to 57	70	70
57 to 63	110	180
63 to 68	460	640
68 to 73	950	1590
73 to 78	2352	3942
78 to 83	5471	9413
83 to 88	11678	21091
88 to 94	22509	43600
94 to 99	35242	78842
99 to 104	43435	122277
104 to 109	49636	171913
109 to 114	51139	223052
114 to 120	47639	270691
120 to 125	40375	311066
125 to 130	32037	343103
130 to 135	25956	369059
135 to 140	20020	389079
140 to 146	14959	404038
146 to 151	13687	417725
151 to 156	19164	436889
156 to 161	6981	443870
161 to 166	2071	445941
166 to 172	542	446483
172 to 177	110	446593
177 to 182	0	446593
182 to 187	30	446623
187 to 192	10	446633
192 to 198	10	446643
198 to 203	0	446643
203 to 208	0	446643
208 to 213	0	446643
213 to 218	0	446643
218 to 224	0	446643
224 to 229	0	446643
229 to 234	0	446643
234 to 239	0	446643
239 to 244	0	446643
244 to 249	0	446643
249 to 255	0	446643
255 to 260	0	446643
260 to 265	10	446653
265 to 270	0	446653
270 to 275	0	446653
275 to 281	0	446653
281 to 286	0	446653
286 to 291	0	446653
291 to 296	10	446663
296 to 301	10	446673
301 to 307	0	446673
307 to 312	11	446684

Appendix B Magnetic Anomaly Coordinates

Anomalies which are considered to have the highest priority for further investigation are indicated by an asterisk (*) next to the coordinates.

Ref no.	AMG coords East	North	Ampl. (nT)	Dimensions length,	width	Depth (metres)
34	371030	5374380	10	100	100	0
36	371580	5374350	5000	1300	500	0
38	372620	5373430	1600	500	350	10
39	372130	5373040	5	100	100	0
40	372900	5372820	70	150	150	10
41	373400	5372640*	175	200	100	0
42	373190	5372220	25	200	100	5
43	372730	5371980	30	250	150	0
44	372230	5372460	15	500	100	-
45	372000	5372450	50	900	150	35
46	372070	5371680	400	450	250	25
47	371610	5371690	400	650	200	29
48	371280	5372300	300	500	200	0
49	371410	5372740	50	200	200	45
102	372080	5370400	3700	1200	400	20
108	373260	5370150*	200	400	300	35
111	372350	5368340	90	150	150	-
112	372720	5367900	500	600	300	150
113	372580	5367240	200	250	250	-
114	372300	5366700	600	800	300	50
115	372000	5366600	100	100	100	-
116	373000	5365900*	50	600	400	190
117	371500	5365650	100	700	300	130
118	371100	5366600	-60	130	130	-
119	370950	5366400	20	450	100	0
120	370840	5366880	60	300	160	15
121	371320	5367270	5	250	150	-
125	370260	5367480	60	130	130	0
126	370380	5367300	70	130	130	0
127	370100	5367180	150	80	80	20
128	369900	5366900	200	80	80	10
129	369650	5366450	250	80	80	0
130	370370	5366760	90	400	200	10
131	370350	5366050	50	400	200	0
132	370050	5365820	20	130	130	20
142	368030	5367650	3000	300	300	0
144	368220	5367380	500	300	200	10
151	368750	5366840	50	300	200	0
152	369110	5366550	15	100	100	0
153	368830	5366260	15	120	120	0
154	368000	5366500*	500	800	650	245
155	368260	5365680*	50	200	100	0
156	367000	5365660	250	200	150	0
157	367100	5365460*	200	200	150	20
159	368300	5365200	250	130	130	-
161	366840	5364500*	50	400	250	20
162	366960	5364150*	60	400	250	15

Ref no.	AMG coords East	North	Ampl. (nT)	Dimensions length	width	Depth (metres)	
163	367020	5363780	20	350	150	0	
164	367400	5363700	10	350	150	-	
165	367280	5363400	30	500	250	30	
166	367100	5362900	40	750	250	10	
167	367100	5362200	5	1600	150	-	
168	367800	5362350	20	150	150	0	
169	367700	5361750	10	1000	150	-	
170	368000	5362000	20	500	250	-	
171	368350	5361500	20	750	250	-	
172	367950	5361470	20	450	250	5	
173	368170	5360550	100	1000	500	40	
174	368750	5361700	50	150	150	10	
175	369000	5360870*	70	350	350	15	
176	368800	5360000	35	500		-	
177	369800	5363900	4100	3300	1100	0	
178	369850	5361450	2300	900	400	0	
179	370500	5361700	1500	650	300	0	
180	371380	5365050	10	150	150	0	
181	371470	5364550	10	150	150	0	
182	371020	5360300	15	450	150	0	
183	371350	5360500*	50	500	170	0	
184	372100	5363600	20	550	150	35	
185	372130	5362600	10	1900	150	35	
186	372100	5362830	20	300	150	25	Mount Dundas
187	372450	5361100*	100	450	250	0	
188	372470	5360370*	15	900	150	0	
189	372780	5360500*	5	600	100	0	
190	373040	5360200*	8	400	100	0	
191	373100	5360750	500	1000	350	0	
192	372900	5361350*	60	300	150	40	
193	373060	5361800*	12	200	150	0	
194	373580	5362040	2	150	150	-	
195	373680	5362450	4	500	150	-	
196	373130	5363060	3	1500	150	0	
197	373450	5363250	2	800	150	-	
198	372850	5363350	2	1000	150	0	
199	373480	5364180	10	500	500	110	ultramafic
200	373200	5364700	18	450	350	115	
201	373750	5373120	250	600	250	80	
202	373820	5372470	230	450	250	0	
206	375370	5372180	350	2000	300	10	
207	375100	5371600	550	600	300	-	
211	373600	5371180	30	400	150	-	
213	377280	5371850	40	350	250	45	
216	376450	5369880	5	150	150	-	
217	375870	5370400	10	500	200	10	
218	375520	5370280	250	500	150	0	
221	374150	5369750	300	1100	200	-	
223	374400	5367200	230	1200	300	100	
224	375250	5366850	25	350	800	80	
227	375850	5366700*	3	900	150	-	
231	373950	5364650	7	350	250	-	

Ref no.	AMG coords East	North	Ampl. (nT)	Dimensions length, width		Depth (metres)
232	375340	5363000	4	750	350	0
233	375680	5362600	10	1000	300	0
351	365070	5362450	2	150	150	-
385	365500	5360900	2	1700	100	0

The following anomalies lie outside of the boundary of EL's 101/87 Dundas and EL 13/88 Moores Pimple

Ref no.	AMG coords East	North	Ampl. (nT)	Dimensions length, width		Depth (metres)	
35	371240	5375200	3300	550	550	-	
37	372860	5374980	30	300	200	-	
109	373400	5369400*	80	600	150	35	
110	372960	5368720	550	500	200	0	
143	367900	5367500	2800	300	300	0	
145	365280	5368060	20	150	150	-	
146	365740	5367600	50	300	250	80	
147	365800	5366800	7	200	200	0	
148	365300	5365920*	15	100	100	-	
149	367180	5366760*	700	400	250	0	
150	367190	5366470*	300	300	150	0	
158	366050	5365150*	40	300	200	45	
203	374280	5373070	25	150	150	0	
204	374550	5372750	500	500	200	0	
205	374900	5372600	125	300	200	0	
208	374850	5371900	120	200	150	0	
209	374550	5372150	1300	500	300	-	ultramafic
210	374400	5371600	1100	600	2500	0	ultramafic
212	374350	5370900	2200	900	250	0	ultramafic
214	376910	5370050	4	150	150	-	
215	376850	5369600	5	400	200	-	
219	374100	5369950	3000	400	300	-	ultramafic
220	374280	5369400	1000	1500	300	20	
222	374200	5368240	130	350	150	20	
225	376350	5367750	10	500	350	45	
226	376580	5367070	8	500	150	0	
228	375850	5365950*	30	700	200	20	
229	376750	5366300	10	350	150	0	
230	376100	5365300*	25	500	200	20	
234	375740	5361300	10	600	150	25	
235	375670	5360380	10	550	200	0	
236	375950	5360530	15	500	200	20	
237	376650	5360550*	50	400	250	-	
238	376520	5361430*	150	1200	350	0	
239	376320	5362170*	100	500	300	45	
240	376550	5362900	20	750	150	0	
241	376470	5363610	25	400	200	10	
242	376800	5363120	60	250	200	0	
243	377060	5361750	30	400	250	-	

Ref no.	AMG coords East	North	Ampl. (nT)	Dimensions length, width		Depth (metres)	
244	377380	5361800	30	300	200	0	
245	377050	5360850	20	150		-	
246	377250	5360850	30	150		-	
268	377420	5362550	25	900	200	0	
296	377150	5364550	20	300	300	-	
297	376720	5364650	25	300	300	0	
301	376970	5366610	3	200	200	-	
332	362970	5368100*	100	250	200	0	
333	363630	5368500	20	150	150	-	
334	363840	5368580	40	200	150	-	
335	364100	5368370*	300	500	350	60	
336	363450	5368000	70	350	200	-	
337	363200	5367620	25	300	200	-	
338	363690	5367880	20	500	150	-	
339	363950	5367800	30	150	150	-	
340	363560	5367160	60	250	200	40	
341	364600	5367450*	40	650	200	0	
342	364450	5367030	30	250	150	0	
343	364210	5366750*	120	300	250	0	
344	365160	5367330	15	600	150	5	
345	364980	5366800	50	300	200	15	
346	365000	5366430	80	250	200	-	
347	364480	5366400	25	150	150	-	
348	364460	5365560	20	150	150	10	
349	364480	5365120	15	250	150	50	
350	364670	5363000	1	270	100	-	
362	364350	5363450	2	250	100	0	Cultural?
386	373000	5359800*	40	200	150	-	

082145

362500 E

365000 E

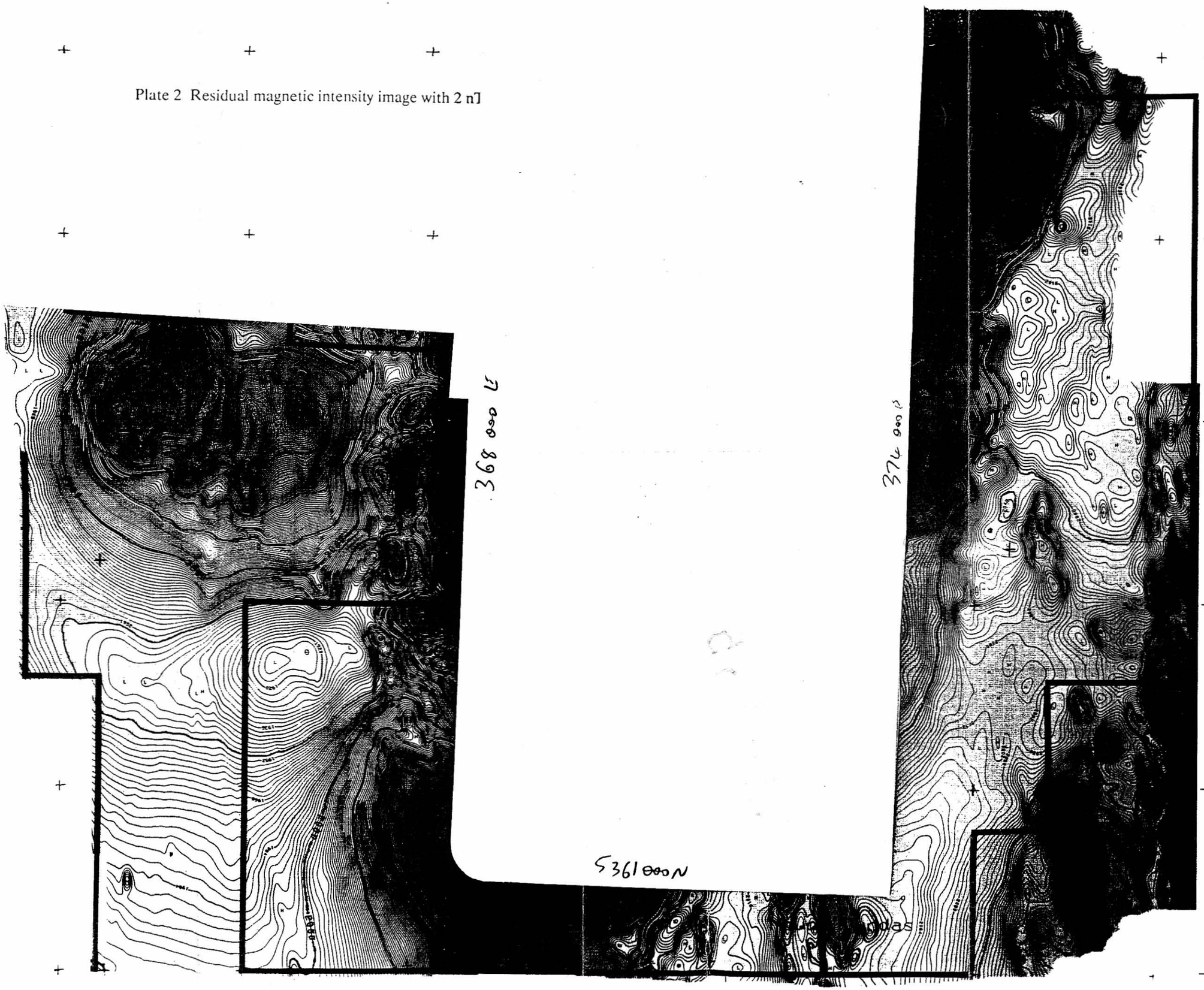
367500 E

5374000 N

375000 E

377500 E

Plate 2 Residual magnetic intensity image with 2 nT



082146

362500 E

365000 E

367500 E

5374000 N

375000 E

377500 E

— 5372500 N

— 5370000 N

— 5367500 N

— 5365000 N

— 5362500 N

— 5360000 N

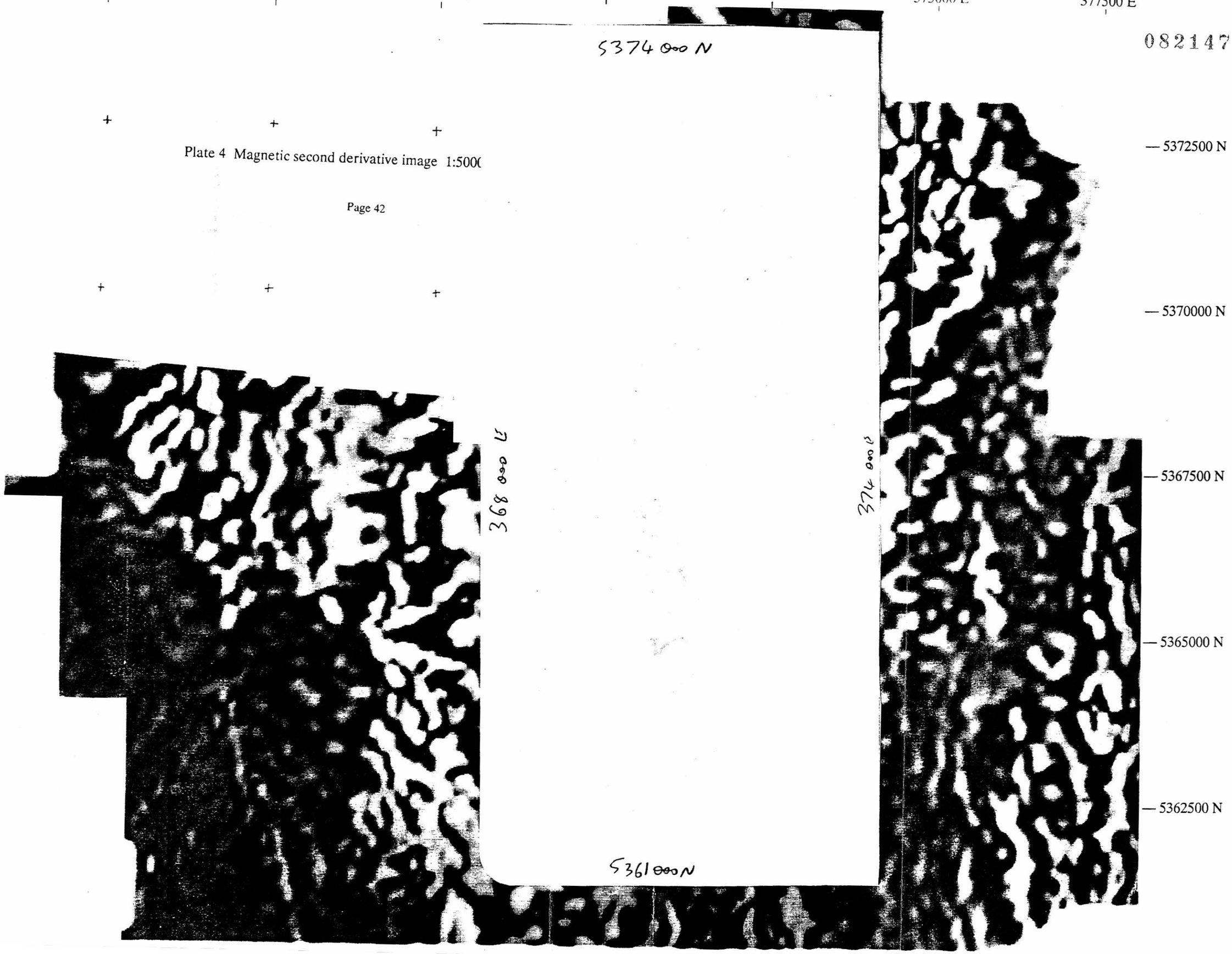
Plate 3 Magnetic variation image 1:50000 scale

362500 E
365000 E
367500 E
370000 E
372500 E
375000 E
377500 E

082147

5374000 N

Plate 4 Magnetic second derivative image 1:500(



368 000 E

374 000 E

5361000N

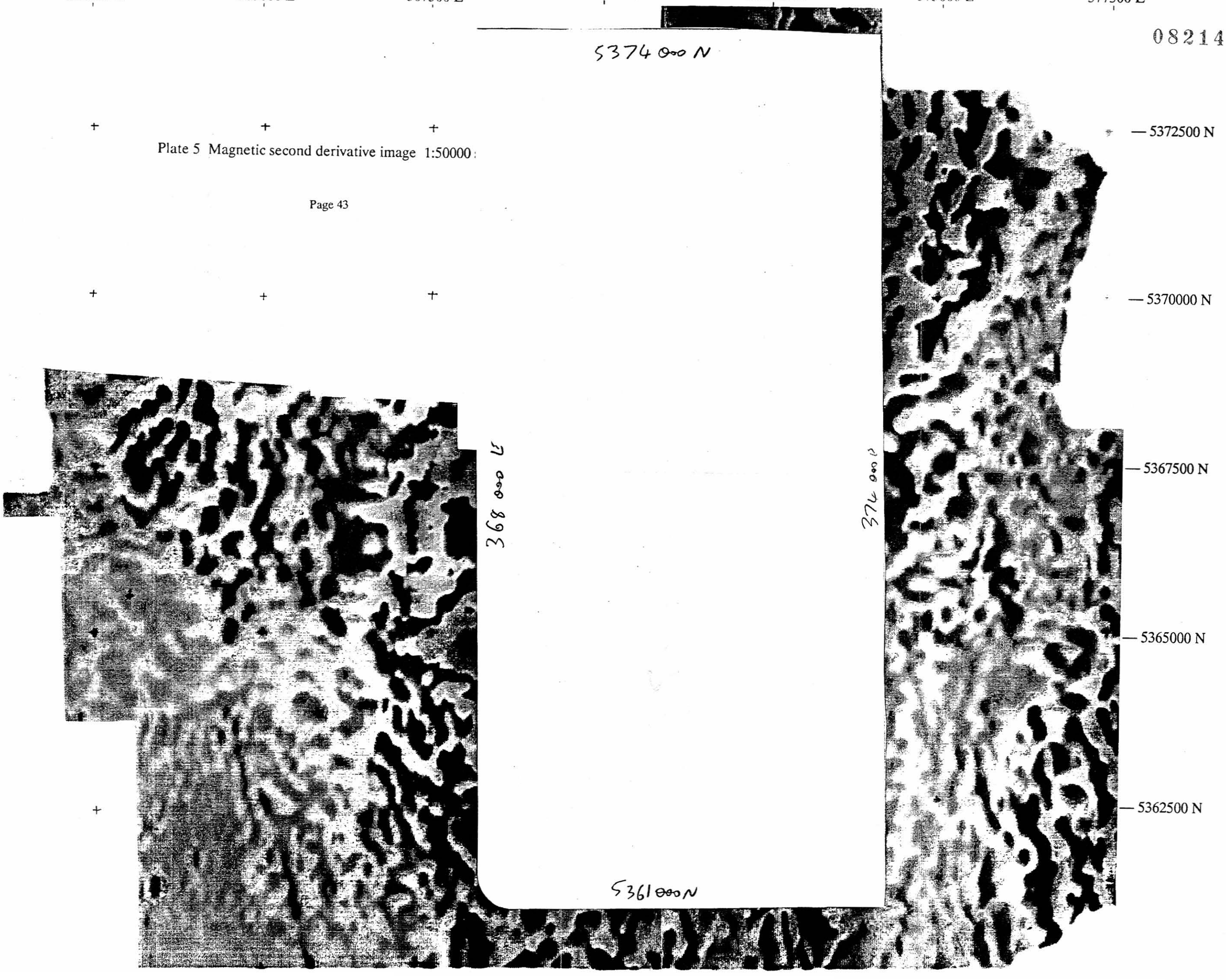
5372500 N
5370000 N
5367500 N
5365000 N
5362500 N

362500 E 365000 E 367500 E 370000 E 372500 E 375000 E 377500 E

082148

5374000 N

Plate 5 Magnetic second derivative image 1:50000



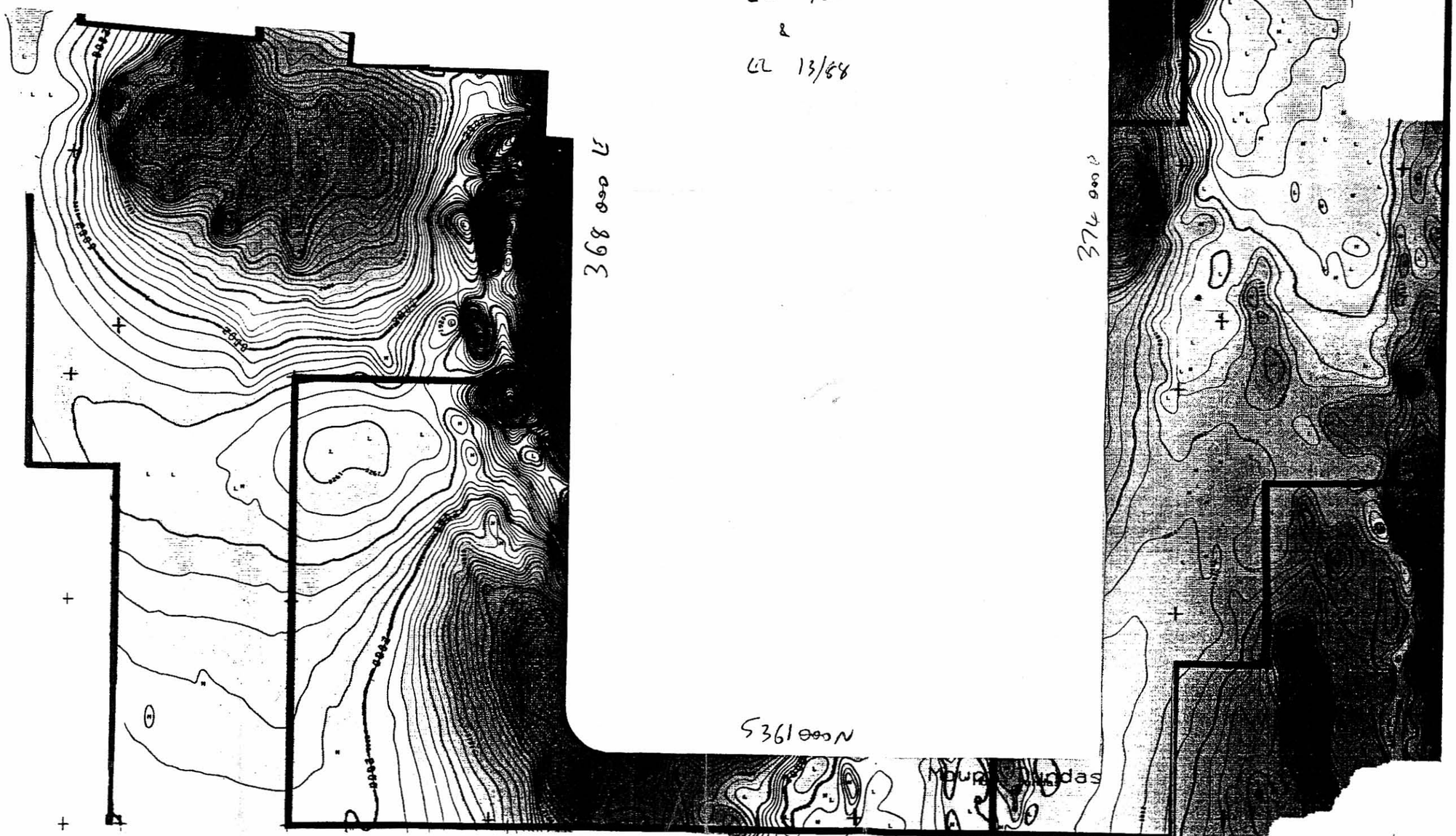
362500 E | 365000 E | 367500 E | 370000 E | 372500 E | 375000 E | 377500 E

5374000 N

082149

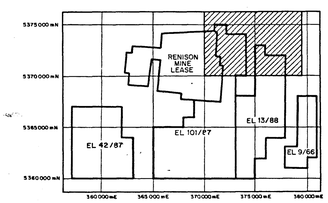
Plate 1 Residual magnetic intensity image with 1(

EL 101/87
&
EL 13/88



370000mE
372500mE
145°28'E
375000mE
145°30'E
377500mE
145°32'E
5375000mN
41°46'S
35
SURVEY BOUNDARY
37
RENISON MINE LEASE
203
204
205
206
209
208
207
206
210
212
213
SURVEY BOUNDARY
217
218
214
220
221
5372500mN
41°48'S
5370000mN
RENISON MINE LEASE
EL 101/87 DUNDAS
EL 13/88 MOORES PIMPLE
PASMINCO LEASES
5 cm
92-3358.

LINEAR ANOMALIES
DISCRETE SOURCES
COMPLEX ZONE
(120) INTERPRETED DEPTH
32 ANOMALY REFERENCE NUMBER
LINEAMENT



SHEET INDEX

082150

RGC EXPLORATION PTY. LIMITED
INCORPORATED IN NEW SOUTH WALES

COMPILED	B.W.W.	EL 13/88 MOORES PIMPLE, EL 101/87 DUNDAS
DRAWN	L.D.K.	
DATE	APRIL, 1990	MAGNETIC INTERPRETATION
CHECKED	B.W.W.	
1:250,000 Reference		
BASE PLAN No.		
OVERLAY PLAN No.		SCALE 1:10,000

PLATE 10

362500mE 145°22'E 365000mE 145°24'E 367500mE 145°26'E 370000mE

5370000mN

RENISON MINE LEASE

334 333 335 10 110 332 0 336 338 339 600 337 145 0 146 80 RENISON 143 13 0 41°50'S 5367500mN

5367500mN 41°50'S

341 0 340 40 344 5 342 343 0 345 15 147 0 149 0 154 245 150 0 347 346 148 348 10 156 0 157 20 349 50 158 45

5365000mN

EL 101/87 DUNDAS

161 20 15 162 163 0 164 41°52'S

EL 42/87 ZEEHAN

362 0 165 30 166 10 167

5362500mN

351 350 168 0 169 170 167 169 17 385 0 175 15 173 35 45 5 cm

41°54'S

EL 42/87 ZEEHAN SURVEY BOUNDARY 176 EL 101/87 DUNDAS

5360000mN 41°54'S SURVEY BOUNDARY 5360000mN

362500mE 145°22'E 365000mE 145°24'E 367500mE 370000mE 145°26'E

92-3358.

082151

LINEAR ANOMALIES

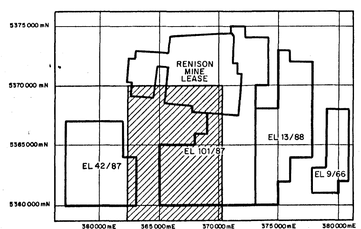
DISCRETE SOURCES

COMPLEX ZONE

(120) INTERPRETED DEPTH

32 ANOMALY REFERENCE NUMBER

LINEAMENT



SHEET INDEX

RGC EXPLORATION PTY. LIMITED

INCORPORATED IN NEW SOUTH WALES

COMPILED	B.W.W.	EL 101/87 DUNDAS
DRAWN	L.D.K.	
DATE	APRIL,1990	**MAGNETIC INTERPRETATION**
CHECKED	B.W.W.	
1:250,000 Reference		

BASE PLAN No.

OVERLAY PLAN No.

SCALE 1:10,000 m 0 100 200 300 400 600m.

PLATE 11

372 500mE 145°28'E
375000mE
145°30'E
377 500mE
145°32'E
5370 000mN
5370 000m
41°50'S
5367 500mN
5367 500m
5365 000mN
5365 000mN
41°52'S
41°52'S
5362 500mN
5362 500m
41°54'S
5360 000mN
5360 000
372 500mE
145°28'E
375000mE
145°30'E
377 500mE

EL 13/88 MOORES PIMPLE

EL 13/88 MOORES PIMPLE

PASMINCO LEASES

SURVEY BOUNDARY

PASMINCO LEASES

EL 101/87 DUNDAS

EL 13/88 MOORES PIMPLE

SURVEY BOUNDARY

EL 9/66

219 220 221 109 220 222 223 224 225 214 216 215 226 227 301 229 228 230 297 296 241 232 233 242 240 268 239 243 244 234 238 245 246 237 236 235 386

LINEAR ANOMALIES

DISCRETE SOURCES

COMPLEX ZONE

(120) INTERPRITED DEPTH

32 ANOMALY REFERENCE NUMBER

LINEAMEIT

SHEET INDEX

RENISON MINE LEASE
EL 42/87
EL 101/87
EL 13/88
EL 9/66
5375 000 mN
5370 000 mN
5365 000 mN
5360 000 mN
360 000 mE
365 000 mE
370 000 mE
375 000 mE
380 000mE

5 cm

92-3358.

082152

RGC EXPLORATION PTY. LIMITED
INCORPORATED IN NEW SOUTH WALES

COMPILED	B.W.W.
DRAWN	L.D.K.
DATE	APRIL, 1990
CHECKED	B.W.W.
1:250,000 Reference	

EL 13/88 MOORES PIMPLE,
EL 101/87 DUNDAS

MAGNETIC INTERPRETATI(

BASE PLAN No.
OVERLAY PLAN No.

SCALE 1:10,000 m.0 100 200 300 400 600m.

PLATE 12

082153

APPENDIX 7

Report on Geophysics from the Montezuma and Ring River Prospects, E.L. 101/87 and E.L. 13/88

by R. Deakin

082154

Report on Geophysics from the Montezuma and Ring River Prospects.

EL 101/87 and EL 13/88
TASMANIA

on behalf of
R.G.C. Exploration Ltd.

by

R. Deakin

December, 1989

082155

CONTENTS

		Page
1.	Introduction	1
2.	Geophysical Results - Montezuma	1
3.	Interpretation - Montezuma	3
4.	Geophysical Results - Ring River	5
5.	Interpretation - Ring River	7
6.	Conclusions and Recommendations	9

pages 2,3,4 missing - letter sent

ACCOMPANYING PLANS

Figure No.

1 Montezuma Magnetic contours and Interpretation

2 Montezuma I.P. - Resistivity Pseudosection 6800N

3 Montezuma I.P. - Resistivity Pseudosection 7000N

4 Montezuma I.P. - Resistivity Pseudosection 7200N

5 Montezuma Magnetic Interpretation Line 7200N

6 Montezuma Magnetic Interpretation Line 6800N

7 Montezuma Magnetic Interpretation Line 4900N

8 Ring River Interpretation Plan

9 Ring River Data and Interpretation Line 5000N

10 Ring River Data and Interpretation Line 5200N

11 Ring River Data and Interpretation Line 6200N

missing

1 INTRODUCTION

1.1 The Montezuma and Ring River prospects constitute part of the exploration program of R.G.C. Exploration Ltd. for EL'S 101/87 Dundas and 13/88 Moores Pimple in the Rosebery - Mt. Dundas area of Tasmania.

1.2 Exploration to date has consisted of geological mapping, soil geochemistry and geophysics. The geophysics completed includes a regional aeromagnetic survey, compiled at 1:10,000 scale and surface geophysics over the two prospects, namely :-

a) Montezuma - Magnetometer survey of the grid area and dipole-dipole I.P. and apparent resistivity over three grid lines.

b) Ring River - A magnetometer survey and a gradient array I.P. - apparent resistivity survey of the grid.

1.3 The regional geology of the two E.L.'s and prospect scale geology is covered in detail in an R.G.C. annual report by A.J. Cartwright (June 1989).

The anticipated target at Montezuma is Renison Style mineralisation associated with magnetic material (pyrrhotite and chert) and carbonate horizons within the Dundas Group of sediments. The primary target zone is the N-S Montezuma fault which passes through the centre of the prospect grid. Non magnetic, base metal - pyrite mineralisation is also considered a secondary, potential target type.

1.4 The exploration target type at Ring River is Henty style, gold - disseminated pyrite. The prime focus of exploration is the N-S Rosebery fault which runs through the centre of the grid separating sediments of the White Spur formation to the east from the younger Dundas Group of sediments to the west.

2. GEOPHYSICAL RESULTS - MONTEZUMA GRID

2.1 The northern end of the Montezuma Grid is a zone of high amplitude and spatially noisy magnetics which (from the regional aeromagnetics) extends further north and west. This anomalous magnetic zone is the response of Cambrian mafic and ultramafic rocks of the Serpentine Hill complex. Several mineral occurrences are recorded within this complex and in general, are related to mineralisation associated with faults and contacts between the ultramafics and non-magnetic sediments.

dipping to the east is indicated by the interpretation. The magnetic data in plan, indicates that the limited strike extent of this anomaly is possibly related to NE-SW faulting and that the similar anomaly at 5300E on line 6600N is a fault displaced extension of it. Although this feature occurs within the broad, noisy I.P.-resistivity anomaly, its small size would indicate that it provides very little contribution to the electrical response.

These anomalies plus similar features on lines 7800N, 8200N, 8400N and 8600N have potential as discrete pyrrhotite bodies or zones possibly hosting base metal mineralisation. These anomalies are either associated with known faults or with faults interpreted from the surface magnetics.

3.5 The noisy magnetic anomaly at approximately 5300E on line 4900N has been modeled using a 2D polygonal model + topography. The results (Figure 7) suggest the existence of depth limited, moderately magnetic bodies, dipping away from 5250E - the location of the Montezuma fault on this line. By virtue of the comparatively lower magnetic susceptibility here, these sources are expected to be somewhat different from magnetic bodies elsewhere in the grid. Their potential to host pyrrhotite + base metals cannot be discounted but must be considered as a low priority.

3.6 Several small scale faults have been interpreted from the surface magnetics, some with assistance from the regional aeromagnetics (Figure 1). As mineralisation in the region is generally fault related these interpreted faults may help to focus on potential mineralised centers. The Serpentine Hill magnetic complex in the north of the grid can be interpreted in terms of several faults which may be prospective zones for mineralisation.

4 GEOPHYSICAL RESULTS - RING RIVER GRID

4.1 The Ring River grid has been covered by surface magnetics and a gradient array I.P. - resistivity survey.
Notable features of the results are:-

- Isolated magnetic anomalies associated with gabbro and basalt within zones of an intrusive (?) ultramafic complex.

- Moderate intensity chargeability anomalies which flank

the central Rosebery fault to the east in the south of the grid and to the west in the northern part of the grid.

. A distinct gradient separating higher apparent resistivities to the the east from lower values to the west. This gradient correlates very well with the mapped position of the Rosebery fault which separates more resistive White Spur rocks to the east from more conductive lithologies of the Dundas group to the west.

4.2 Magnetic anomalies of the order of 100 n.T. occur throughout the grid. In the south west corner they are related to ultramafics. Isolated anomalies on the eastern end of lines 5000N , 6200N and 7000N and on the western end of lines 6000N to 6400N, are probably caused by either magnetic lithologies within the respective sedimentary unit or possibly small intrusives as yet unmapped.

In the north west corner of the grid a large magnetic gradient marks the edge of a significant magnetic body north east of the grid. This is part of the large magnetic high which is evident in the aeromagnetics north of Ring River.

Very weak magnetic highs of 10 n.T. to 50 n.T. correlate with the better chargeability anomalies, indicating the existence of low concentrations of magnetite or pyrrhotite associated with chargeability anomaly sources.

A relatively intense, narrow, magnetic anomaly at about 7450E on 6800N is to some extent reminiscent of the small anomalies of the Montezuma Grid. This anomaly could be interpreted as a narrow zone of pyrrhotite similarly to equivalent anomalies at Montezuma.

4.3 The gradient array data has delineated N-S striking chargeability anomalies of about 20 m.S. which flank the Rosebery fault. These anomalies are expected to reflect zones of disseminated sulphides, hopefully the Henty style orebody associated with the shallow easterly dipping Rosebery fault. Residual apparent resistivity lows of the order of 50 ohm metres are coincident with these chargeability anomalies providing an additional indication of likely sulphide mineralisation.

The major apparent resistivity gradient in the grid area follows very faithfully the surface outline of the Rosebery fault. Other less dominant gradients in the data are expected to reflect either less major faults or changes in geology from resistive to conductive lithologies.

5. INTERPRETATION - RING RIVER

5.1 The grid magnetics, apparent resistivity and chargeability data have been presented in plan as contours at 1:5000 scale (A.J.Cartwright report). The Ring River interpretation is summarised on Figure 8 and includes several possible faults which have been invoked where geophysical features terminate or alter direction or position. In many instances these may be manifestations of the topography and of topographic distortion of the geophysical data. In some cases they suggest the existence of displacements of the main Rosebery fault.

The principal gradient in the apparent resistivity data, separating more resistive sediments to the east from less resistive sediments to the west, is shown on Figure 8 and illustrates how this feature delineates the Rosebery fault extremely well. A similar gradient in this data is evident further to the east. Here the resistivity gradient parallels approximately the Rosebery fault and occurs 100m to 200m further east. There is no explanation for this feature on the geology plan; it may well reflect a second sub-parallel fault similar to the Rosebery fault. Higher apparent resistivities east of this gradient could be the result of silicification; alternatively lower resistivities west of it may be a manifestation of a zone of alteration and mineralisation east of the Rosebery fault.

5.2 Interpretation of the chargeability anomalies is largely qualitative, principally because of the large topographic relief in the grid area. Simple numerical modelling techniques can and have been used to estimate depths and dips by applying the assumption of a uniform horizontal electric field. Using this approach together with simplified topographic slope corrections, reasonable but cautious estimates of the geometry, attitude and position of causative bodies have been obtained.

The best chargeability anomalies occur on lines 5000N and 5200N. The interpretation of both anomalies indicate a tabular source geometry at depths of about 50 m. and sub-parallel to the shallow dipping Rosebery fault. Both have a very weak magnetic anomaly approximately coincident with the chargeability anomaly which suggests the existence of associated magnetic minerals (magnetite or possibly pyrrhotite).

5.3 The interpretation and proposed drill target for the chargeability anomaly on line 5000N is illustrated on Figure 9. The chargeability data indicates a causative body which is about 20 m above the Rosebery fault and parallels it to the east. The chargeability anomaly

implies a broad mineralised zone incorporating the fault and the magnetics suggests a similar broad zone or body, displaced a little further to the west and with possibly a steeper dip.

5.4 The data from line 5200N and the interpretation are shown on Figure 10. Similarly to line 5000N the source of the chargeability anomaly is considered to be a tabular body about 30m above the Rosebery fault and approximately parallel to it. The very weak magnetic peak coincident with the chargeability anomaly can be explained by a magnetic source slightly west of the chargeable body and with a steeper dip to the east.

A weaker chargeability anomaly of about 12 m.S. occurs further west at approximately 7650E. This subsidiary peak is within Bather creek and hence influenced to a large extent by topographic effects. It suggests less concentrated mineralisation in a zone immediately west of the Rosebery fault and probably with a steep (cross cutting) dip.

5.5 The dominant chargeability anomaly in the south-east of the grid forms a linear axis which appears to be displaced successively to the east as it is followed in a northerly direction. Thus the chargeability anomaly diverges away from the Rosebery fault, eastwards, and remains at an approximately consistent R.L. whereas the fault itself has a significant apparent dip component (R.L. 520m at 4800N - R.L. 400m at 5600N ie. approx. 8deg.) to the north. These displacements have been interpreted in terms of possible faults (Figure 8) which may reflect relative vertical movements and which generally correlate with drainage features. On line 5600N two chargeability peaks occur, one correlating directly with the outcrop of the Rosebery fault in Bather creek, similarly to the situation on line 5200N. The larger anomaly to the east at about 7675E correlates with a small zone of silicic alteration, and indicates a source about 100m away from (above and to the east) of the Rosebery fault.

5.6 North of 6000N the dominant chargeability feature is a double peak anomaly on the western side of the Rosebery fault. Again possible faulting is invoked in this zone (Figure 8).

Data profiles, the topography and interpretation for line 6200N are illustrated on Figure 11. The two chargeability peaks here, occur on the flanks of a hill with about 75m relief. Interpretation of the results indicate that the two anomalies can be caused by the same body beneath the hill at a depth of about 50m. A noisy magnetic anomaly of the order of 40 n.T. is coincident with this zone and infers a steeply dipping source in the same location as

the chargeability anomaly source.

6. CONCLUSIONS AND RECOMMENDATIONS

6.1 MONTEZUMA

6.1.1 The large magnetic anomaly that occurs in the central part of the grid , can be explained by a large sub-vertical, moderate to high susceptibility body which is considered most likely to be ultramafics akin to the rocks which compose the Serpentine Hill complex further north. The dipole-dipole I.P. results, although noisy and unreliable, suggest the possibility of mineralisation above the magnetic mass in the vicinity of geochemical anomalies which are close to a topographic ridge in this locality.

6.1.2 The dipole-dipole I.P. - resistivity survey on lines 6800N, 7000N and 7200N has delineated a broad zone with very high conductivity and very noisy and unreliable data. This anomaly (?) zone coincides with the Montezuma fault and is suspected to be the response of graphitic rocks, although the possibility of massive sulphides cannot be discounted at this stage. A drill hole to test the Montezuma fault zone in this locality, at a depth of about 50m to 100m would appear to be a viable target and a good test of the I.P. - resistivity anomaly.

6.1.3 Small, narrow and intense magnetic anomalies which are found at:

5300E - 6800N
5300E - 6600N
5250E - 8600N
5580E,5370E - 8400N

are interpreted as the response of strike and depth limited bodies, with high magnetic susceptibilities and/or indications of significant remanent magnetism. These anomalies have definite potential as pyrrhotite sources and hence the Renison style target. These small magnetic anomalies, although indicative of small sources appear to be the best targets at Montezuma for shallow, pyrrhotite-base metal bodies of the Renison type.

6.1.4 Magnetic anomalies straddling the Montezuma fault zone on line 4900N have some potential although no coincident geochemical anomalies exist. The interpreted bodies associated with these anomalies have significantly lower magnetic susceptibilities which implies a different geology. The potential for pyrrhotite mineralisation however can not be discounted on the basis of the magnetic

data.

6.1.5 The recommended drill targets for Montezuma in approximately priority order are:-

a) To test the large magnetic anomaly, the I.P. anomaly and the (interpreted) down dip extension of geochemical anomalies on line 7200N.
Drill target at :- Line 7200N - 5315E, R.L = 250m.
drill hole inclined from the east to west and extended 50m beyond the target depth (Figure 5)

b) To test the small magnetic anomaly on line 6800N and the coincident I.P. anomaly.
Drill target at :- Line 6800N - 5275E, R.L = 380m.
drill hole inclined from east to west and extended 100m beyond the target depth (for I.P. anomaly test) . (Figure 6)

c) Drill targets to test the other four small magnetic anomalies.
. Line 6600N - 5285E, R.L. = 510m
. Line 8600N - 5250E, R.L. = 290m
. Line 8400N - 5360E, R.L. = 300m
. Line 8400N - 5575E, R.L. = 275m
It is recommended that in each case the drill hole be inclined from east to west and extend 40m beyond the target depth.

d) Drill targets to test the magnetic anomalies on line 4900N (Figure 7)
. Line 4900N - 5300E, R.L. = 680m ; drill a hole inclined from the east to west and extend 80m beyond the target.
. Line 4900N - 5180E, R.L. = 670m ; drill a hole inclined from west to east and extend 50m beyond the target.

6.2 RING RIVER

6.2.1 The gradient array survey has delineated encouraging chargeability anomalies, east of the Rosebery fault in the south east with coincident, very weak magnetic anomalies and lower apparent resistivities. Interpretation of the anomalies indicates that the source(s) is a shallow dipping tabular body or zone of disseminated sulphides parallel to and about 20m to 30m above the fault.

6.2.2 Drill targets to test this anomaly are proposed for lines 5000N and 5200N.

. Line 5000N - 7650E R.L = 425m (Figure 9)

. Line 5200N - 7875E R.L = 400m (Figure 10)

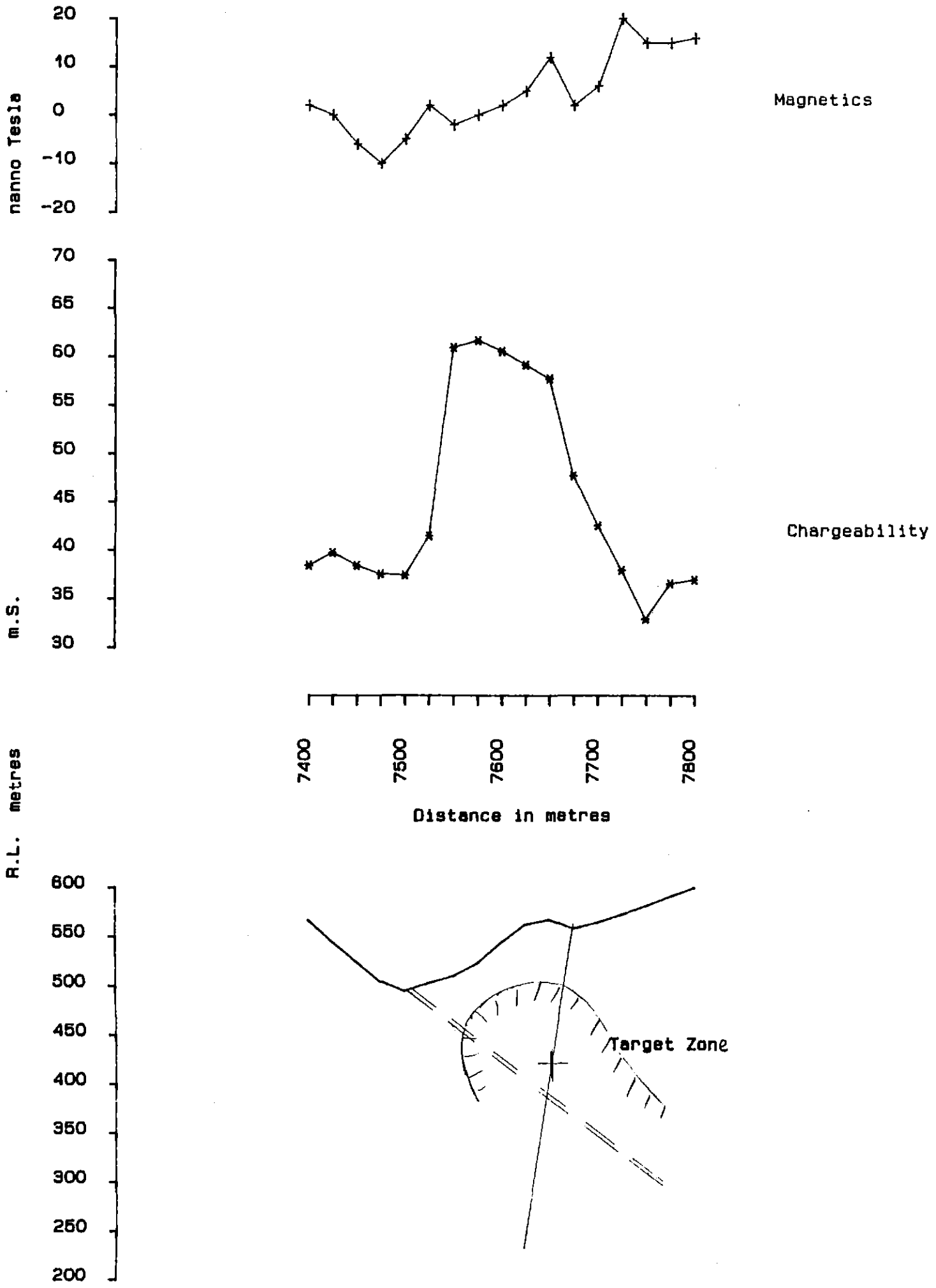
As illustrated on the respective figures, both anomalies can be tested with vertical holes or holes inclined steeply from east to west and which continue for about 150m beyond the target depth.

6.2.3 In the north west a similar linear zone of chargeability anomalies occurs which is recommended for testing on line 6200N. The recommended drill hole is one, collared at or near Bather creek and inclined to the west to test the point:

7430E, R.L = 260m (Figure 11)

The recommended drill hole length is approximately 150m beyond the target depth.

6.2.4 Further drill targets, where warranted, at Ring River should be formulated after the results of the above three holes above have been evaluated.



R.G.C. Exploration Ltd.

Ring River Prospect
Data Profiles Line 5000N

Scales: Hor. 1: 5000

Vert. 1cm to 10 n.T.

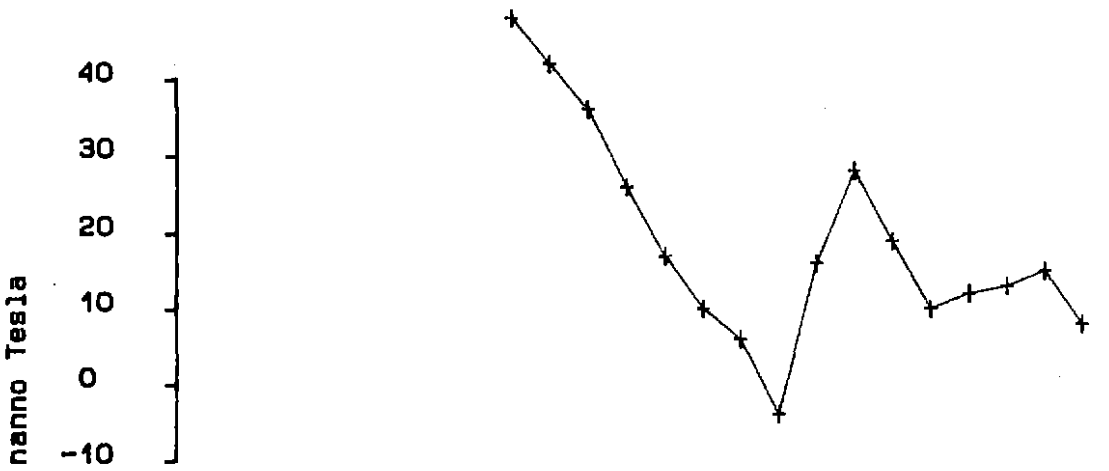
1cm to 50 m

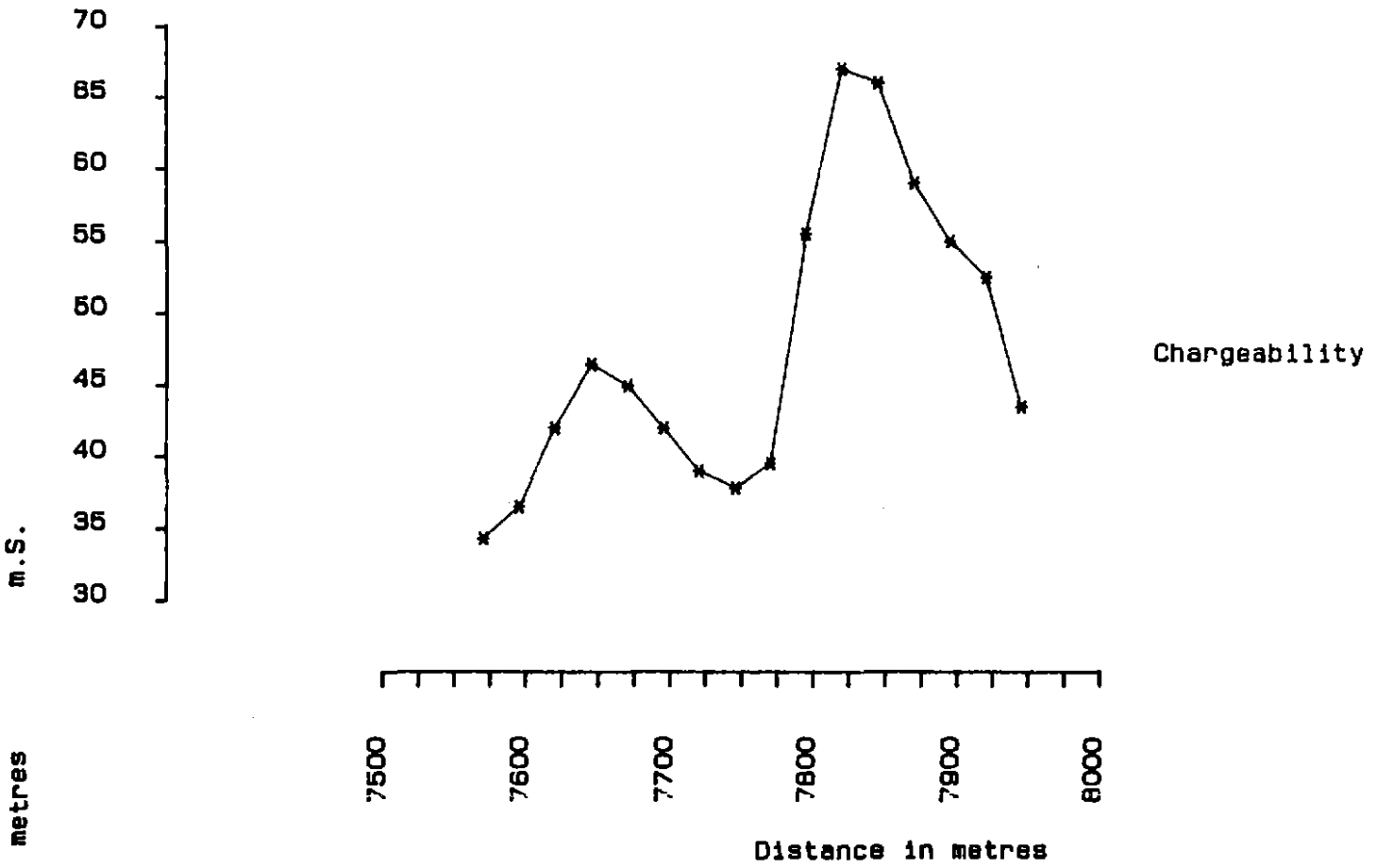
1cm to 5 m.S.

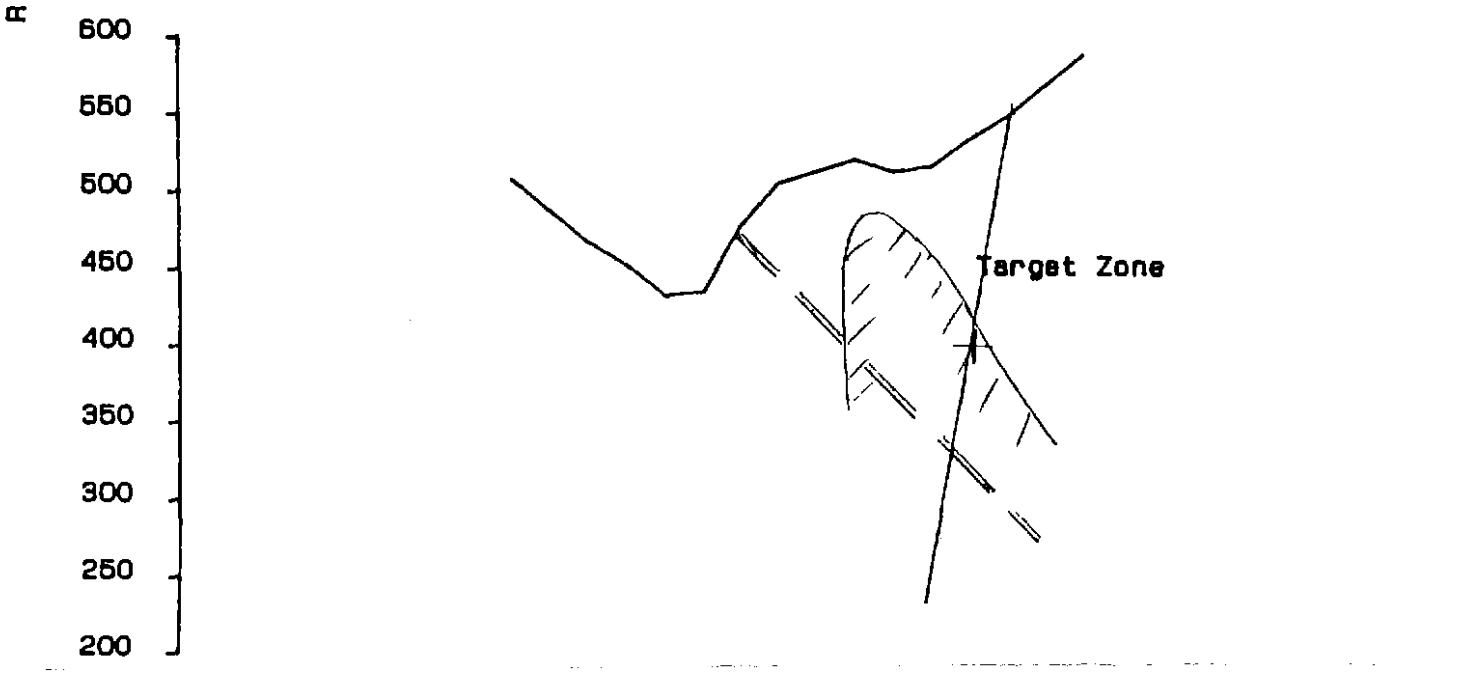
Note: Add 61960 to magnetic values

Figure 9

082164







R.G.C. Exploration Ltd.

Ring River Prospect

Data Profiles Line 5200N

Scales: Hor. 1: 5000

Vert. 1cm to 50 m

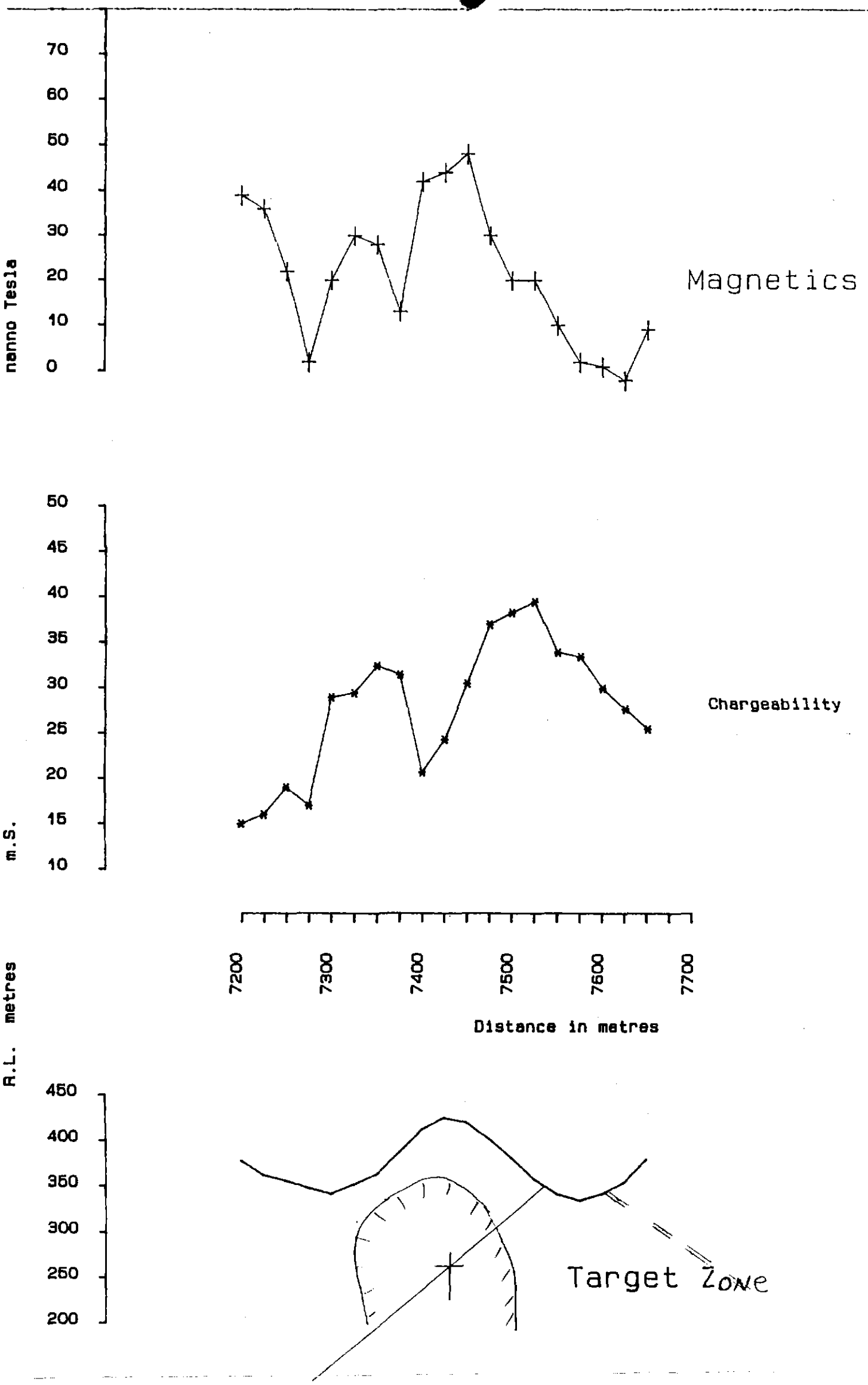
1cm to 10 n.T.

1cm to 5 m.S.

Note : add 61940 to magnetic values

Figure 10

082165



R.G.C. Exploration Ltd.

Ring River Prospect

Data Profiles Line 6200N

Scales: Hor. 1: 5000

Vert. 1cm to 50 m

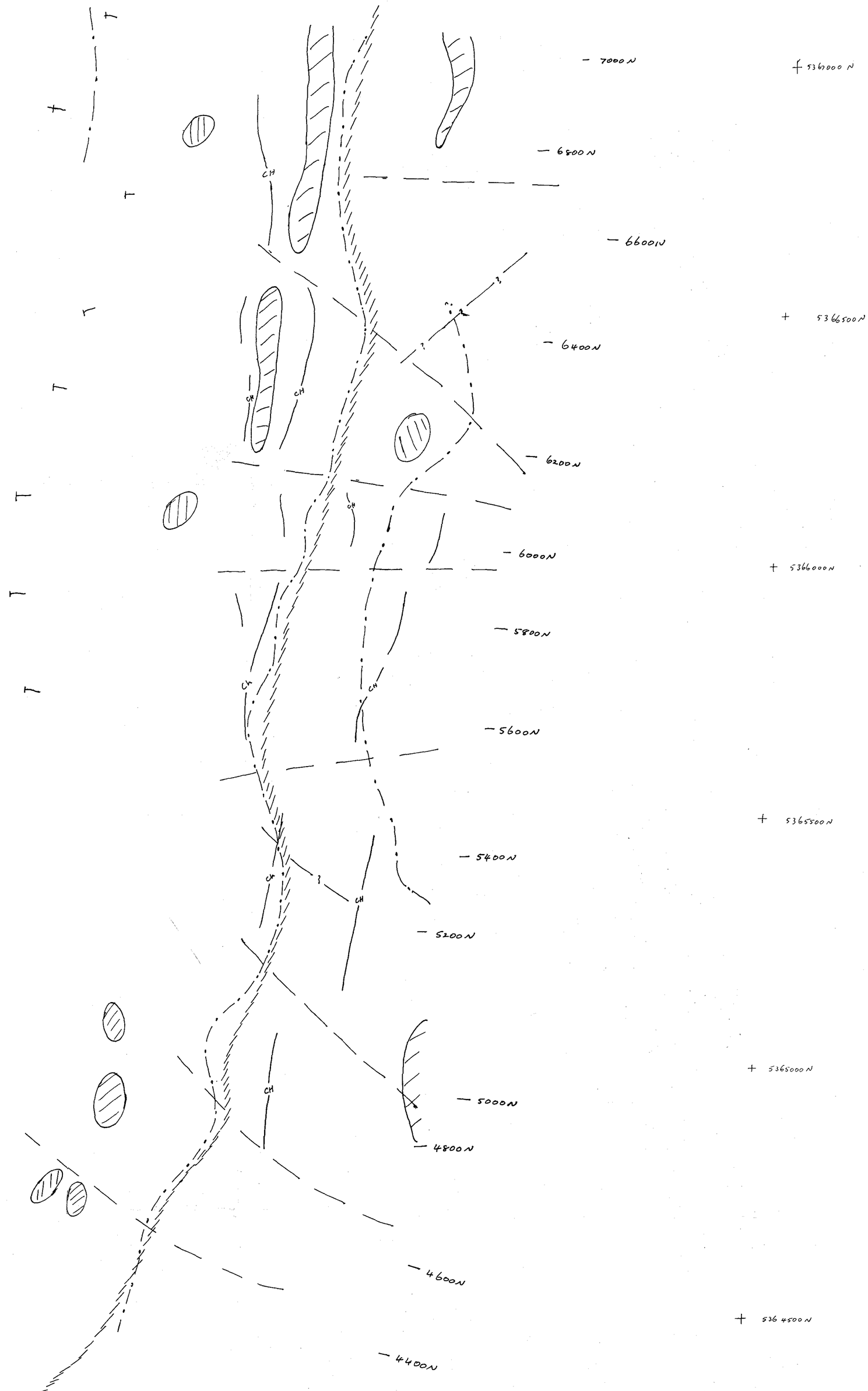
1cm to 10 n.T.

1cm to 5 m.S.

Note: add 61920 to magnetic values

Figure 11

082169



92-3358.

082167

Roseberg fault

CH Axis of chargeability Anomaly

Interpreted fault.

Resistivity Gradient axis.

Magnetic Anomalies.

R.G.C. Exploration Ltd.

RING River Prospect.

INTERpretation Plan

Figure 8.

1:5000

APPENDIX B

Montezuma and Reconnaissance Rock Chip

Sample Analytical Results.

082169

RENISON LTD.

RENISON BELL, TASMANIA

Telephone : (004) 731203
Telex : AA 59046
Fax : (004) 731333

Postal Address :
P.O. Box 20
ZEEHAN TAS. 7469

ANALYTICAL SERVICES

Our Ref : T5523-0153
Your Ref : RGCE Order No. 5702

Date : 05-Sep-89

Attention : John Crossing

ANALYTICAL REPORT

Results in % unless otherwise indicated

Sample	Sn ppm XRF/B2	As ppm XRF/B2	WO3ppm XRF/B2	Cu XRF/B4	Pb XRF/B4	Zn XRF/B4	S XRF/B4	
[redacted]	7	14	<10	<.01	.03	.02	0.1	
[redacted]	248	96	16	.03	.03	.22	3.3	
[redacted]	15	10	<10	.04	.02	.01	0.1	STD B8
10351	38	169	<10	<.01	.19	.05	3.6	
[redacted]	154	150	<10	<.01	.02	.02	0.2	
[redacted]	294	61	<10	<.01	.03	.01	<0.1	
[redacted]	66	1530	<10	.03	6.65	6.47	5.2	
[redacted]	84	38	<10	<.01	3.87	.14	0.7	
[redacted]	17	537	<10	.01	.20	.71	<0.1	
[redacted]	<5	20050	<10	2.20	3.00	.10	17.0	
[redacted]	4720	58400	81	.62	22.4	.71	21.5	
[redacted]	24	542	<10	<.01	.05	.03	0.5	
[redacted]	304	3870	24	.01	.28	.01	1.9	STD B8
[redacted]	18	77	<10	.01	.34	.14	0.6	
[redacted]362	32	202	<10	.03	.05	.01	13.5	

Chief Chemist

082170

RENISON LTD.

RENISON BELL, TASMANIA

Telephone : (004) 731203
Telex : AA 59046
Fax : (004) 731333

Postal Address :
P.O. Box 20
ZEEHAN TAS. 7469

ANALYTICAL SERVICES

Our Ref : T5523-0153
Your Ref : RGCE Order No. 5702

Date : 05-Sep-89

Attention : John Crossing

ANALYTICAL REPORT

Results in % unless otherwise indicated

Sample	Ag ppm AAS/A1	Bi AAS/A1	Sn AAS/A1	
[redacted]	3	.006	<.01	
[redacted]	4	<.001	<.01	
[redacted]	2	.006	<.01	STD B8
10351	5	.004	<.01	
[redacted]	3	.001	<.01	
1[redacted]	1	<.001	<.01	
[redacted]	139	.002	<.01	
[redacted]	97	.008	<.01	
[redacted]	22	.004	<.01	
[redacted]	630	.008	<.01	
[redacted]	280	.004	.32	
[redacted]	5	.003	<.01	
[redacted]	6	.004	<.01	STD MAG
[redacted]	6	.001	<.01	
10362	3	.002	<.01	

Chief Chemist

082171

RENISON LTD.

RENISON BELL, TASMANIA

Telephone : (004) 731203
Telex : AA 59046
Fax : (004) 731333

Postal Address :
P.O. Box 20
ZEEHAN TAS. 7469

ANALYTICAL SERVICES

Our Ref : T8523-0153
Your Ref : RGCE/DJFC

Date : 19-Oct-88

Attention : John Crossing

ANALYTICAL REPORT

Results in ug/g unless otherwise indicated

Sample	Au AA88(C)	
[redacted]	.04	
[redacted]	<.02	
[redacted]	1.12	STD BB
10351	.04	
[redacted]	<.02	
[redacted]	.04	
[redacted]	<.02	
[redacted]	<.02	
[redacted]	<.02	
[redacted]	<.02	
[redacted]	<.02	
[redacted]	.44	STD MAG
[redacted]	.02	
10362	<.02	

Auth. Signatory

082172

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Fax : (004) 731333

Postal Address :
P.O. Box 20
ZEEHAN TAS. 7469

ANALYTICAL SERVICES

Our Ref : 3337
Your Ref : RGC EXPLORATION - Samples T11801-11844 Date : 31-May-89

Attention : D.J.F.Crossing

ANALYTICAL REPORT

Results in % unless otherwise indicated

Sample	Sn ppm XRF/B2	S XRF/B4	As XRF/B4	Cu XRF/B4	Pb XRF/B4	Zn XRF/B4	WO3 XRF/B4
T [redacted]	<5	0.7	.02	.01	<.01	.01	.01
[redacted]	10	0.3	.03	<.01	<.01	.01	<.01
[redacted]	<5	0.2	.02	<.01	.02	.04	<.01
[redacted]	<5	0.3	.01	<.01	<.01	.02	<.01
[redacted]	10	0.7	.02	<.01	.01	.02	<.01
[redacted]	10	3.4	.03	.01	.01	.04	<.01
[redacted]	10	<0.1	.02	<.01	.01	.02	<.01
11823	10	1.0	<.01	.02	.01	.04	<.01
11824	20	0.1	.05	<.01	<.01	.04	<.01
11825	15	0.1	.02	.02	.01	.02	<.01
11826	10	0.9	.05	.02	.05	.07	<.01
[redacted]	10	2.6	.02	<.01	.01	.11	.01
[redacted]	290	14.0	2.62	.08	2.77	3.63	.01
[redacted]	10	20.3	.02	.01	.03	.05	.01
[redacted]	245	22.1	.30	.03	5.19	7.43	.02

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Chief Chemis

082173

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Postal Address :
P.O. Box 20
ZEEHAN TAS. 7469

ANALYTICAL SERVICES

Our Ref : 3337
Your Ref : RGC EXPLORATION - Samples T11801-11844 Date : 31-May-89

Attention : D.J.F.Crossing

ANALYTICAL REPORT

Results in % unless otherwise indicated

Sample	Ag ppm AAS/A1	Bi AAS/A1	SSn AAS/A1
T [redacted]	<1	<.001	.01
[redacted]	<1	<.001	.01
[redacted]	2	.002	.01
[redacted]	2	<.001	<.01
[redacted]	2	<.001	.01
[redacted]	3	.003	<.01
[redacted]	4	.002	.01
11823	2	.001	<.01
11824	3	.002	<.01
11825	<1	.001	<.01
11826	1	<.001	<.01
[redacted]	2	.001	<.01
[redacted]	34	.003	.01
[redacted]	2	<.001	<.01
[redacted]	64	.005	<.01

Chief Chemist

082174

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Postal Address :
P.O. Box 20
ZEEHAN TAS. 7469

ANALYTICAL SERVICES

Our Ref : 3337
Your Ref : RGC Exploration

Date : 19-Jun-89

Attention : J.D.F.Crossing

ANALYTICAL REPORT

Results in %

Sample	Au g/tonne
[redacted]	<.05
[redacted]	<.05
[redacted]	<.05
[redacted]	<.05
[redacted]	<.05
T11823	<.05
T11824	<.05
T11825	.45
T11826	<.05
[redacted]	<.05
[redacted]	.06
[redacted]	<.05
[redacted]	.11
[redacted]	.12
[redacted]	<.05
[redacted]	<.05
[redacted]	.32

Method of Analysis : AAS/A15

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Chief Chemist

082175

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Postal Address :
P.O. Box 20
ZEEHAN TAS. 7469

ANALYTICAL SERVICES

Our Ref : 3337
Your Ref : RGC EXPLORATION - Samples T11801-11844 Date : 31-May-89

Attention : D.J.F.Crossing

ANALYTICAL REPORT

Results in % unless otherwise indicated

Sample	Sn ppm XRF/B2	S XRF/B4	As XRF/B4	Cu XRF/B4	Pb XRF/B4	Zn XRF/B4	WO3 XRF/B4
T [redacted]	25	35.8	.22	<.01	.19	.03	<.01
[redacted]	15	0.4	.05	.01	.11	.19	<.01
[redacted]	260	36.6	.05	.02	11.3	16.9	<.01
[redacted]	360	28.1	.15	.07	10.0	28.5	<.01
[redacted]	525	23.0	.14	.08	14.5	19.7	<.01
[redacted]	430	0.4	.27	.15	.61	.35	<.01
[redacted]	40	30.8	.18	.08	.64	.17	.01
11838	15	0.2	.04	<.01	.06	.16	<.01
11839	10	0.5	.04	<.01	.18	.33	<.01
[redacted]	<5	31.3	.12	.10	17.2	12.2	<.01
[redacted]	270	24.8	.47	.04	6.62	12.2	<.01
[redacted]	7850	12.3	.17	.04	.13	.22	<.01
[redacted]	4000	3.6	.08	.04	.04	.03	.01
[redacted]	1790	20.0	2.30	.48	.01	.01	<.01

Chief Chemist

082176

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Postal Address :
P.O. Box 20
ZEEHAN TAS. 7469

ANALYTICAL SERVICES

Our Ref : 3337
Your Ref : RGC EXPLORATION - Samples T11801-11844 Date : 31-May-89

Attention : D.J.F.Crossing

ANALYTICAL REPORT

Results in % unless otherwise indicated

Sample	Ag ppm AAS/A1	Bi AAS/A1	SSn AAS/A1
T 1[redacted]1	17	.005	<.01
[redacted]	2	.001	<.01
[redacted]	163	.002	<.01
[redacted]	250	.002	<.01
[redacted]	380	.001	.05
[redacted]	250	.005	.02
[redacted]	24	.011	.01
11838	2	<.001	<.01
11839	3	<.001	<.01
[redacted]	380	.006	<.01
[redacted]	175	.005	.03
[redacted]	20	.004	.08
[redacted]	36	.002	.05
[redacted]	82	.021	.02

Chief Chemist

082177

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ZEEHAN TAS. 7469

ANALYTICAL SERVICES

Our Ref : 3337
Your Ref : RGC Exploration

Date : 19-Jun-89

Attention : J.D.F.Crossing

ANALYTICAL REPORT

Results in %

Sample	Au g/tonne
[redacted]5	.30
[redacted]	.07
[redacted]	.09
T11838	<.05
T11839	<.05
[redacted]	.30
[redacted]	.18
[redacted]2	<.05
[redacted]	.17
T[redacted]	.36

Method of Analysis : AAS/A15

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Chief Chemis

082178

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Telex : AA 59046
Fax : (004) 731333

Postal Address :
P.O. Box 20
ZEEHAN TAS. 7469

ANALYTICAL SERVICES

Our Ref : O/NO. 871 & 3055
Your Ref : RGCE - Samples T18001, T11845-T11855

Date : 13-Jun-89

Attention : D.J.F.Crossing

ANALYTICAL REPORT

Results in % unless otherwise indicated

Sample	Sn ppm XRF/B2	As XRF/B4	S XRF/B4	Cu XRF/B4	Pb XRF/B4	Zn XRF/B4	WO3 XRF/B4
[redacted]1	70	.16	<.1	.02	<.01	.04	.02
T11845	15	.01	<.1	<.01	<.01	.01	<.01
T11846	5	.02	<.1	<.01	.07	.10	<.01
T[redacted]	10	.03	<.1	<.01	.67	.26	.02
[redacted]	85	.03	<.1	<.01	.90	.37	.01
T[redacted]	<5	.04	<.1	<.01	.01	.02	<.01
[redacted]	<5	.02	<.1	<.01	<.01	.02	.01
[redacted]	35	.04	<.1	<.01	<.01	.04	.01
T[redacted]	<5	.02	.1	<.01	<.01	.04	.01
[redacted]	<5	.04	.2	<.01	<.01	.03	.01
[redacted]	30	.04	.2	<.01	1.04	.05	<.01
T[redacted]	135	.03	3.1	<.01	.38	6.91	.02

.....
Chief Chemist

082179

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RENISON BELL, TASMANIA

Telephone : (004) 731203
Telex : AA 59046
Fax : (004) 731333

Postal Address :
P.O. Box 20
ZEEHAN TAS. 7469

ANALYTICAL SERVICES

Our Ref : O/No. 871 & 3055
Your Ref : RGCE -Samples T18001 & T11845-T11855 Date : 13-Jun-89

Attention : D.J.F.Crossing

ANALYTICAL REPORT

Results in % unless otherwise indicated

Sample	Ag ppm AAS/A1	Bi AAS/A1	SSn AAS/A1
[redacted]	2	.007	<.01
T11845	<1	.001	<.01
T11846	1	<.001	.01
[redacted]	6	.004	<.01
[redacted]	7	.005	.01
[redacted]	3	.005	.01
[redacted]	2	.006	.02
[redacted]	2	.003	.01
[redacted]	1	.007	.02
[redacted]	<1	.006	.01
[redacted]	16	.004	.01
[redacted]	22	.003	.02

Chief Chemist

082180

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Postal Address :
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ZEEHAN TAS. 7469

ANALYTICAL SERVICES

Our Ref : 871
Your Ref : RGC Exploration

Date : 19-Jun-89

Attention : J.D.F.Crossing

ANALYTICAL REPORT

Results in %

Sample	Au g/tonne
T11845	.18
T11846	<.05
[redacted]	<.05
[redacted]	<.05
[redacted]	<.05
[redacted]	<.05
[redacted]	<.05
[redacted]	<.05
[redacted]	<.05
[redacted]	<.05

Method of Analysis : AAS/A15

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Chief Chemist

APPENDIX 9

Ring River Grid Wacker and Rock Chip

Sample Analytical Reports.

RGC EXPLORATION PTY.LTD. DATA SHEET

PROJECT: EL 13/88 MOORES PIMPLE - RING RIVER GRID WACKER SAMPLES

SAMPLE NUMBER	NORTH metres	EAST metres	ROCK	ALTER	OREMIN	VEINS	CU PPM	PB PPM	ZN PPM	AG PPM	BI PPM	AS PPM	AU 309	AUCHK 309	SN PPM	SB PPM
T 19801	5600	7475	T	LU	CY,PEB		20	100	170	1.0	30	15	-0.008		3	10
T 19802	5600	7487	SILT	LI,HE			25	45	195	1.0	-10	21	-0.008		-3	9
T 19803	5600	7500	SILT				100	50	175	1.5	10	18	-0.008		3	10
T 19804	5600	7512	SILT	LI,HE			25	65	120	1.5	30	15	0.106		11	7
T 19805	5600	7525	SILT	WI,LI			110	450	250	3.5	-10	60	0.015		7	35
T 19806	5600	7537	MUDS				60	55	105	1.5	30	11	-0.008		5	4
T 19807	5600	7550	MUDS	LI			50	80	165	2.0	10	26	-0.008		5	5
T 19808	5600	7562	TUFF	LI			20	50	190	1.5	-10	7	-0.008		7	3
T 19809	5600	7575	TUFF	LI,HE			30	60	105	1.5	10	12	-0.008		7	11
T 19810	5600	7587	SILT	LI			15	45	45	1.0	-10	9	-0.008		-3	7
T 19811	5600	7600	MUDS				25	140	85	1.5	10	60	-0.008		6	3
T 19812	5600	7612	TUFF				15	280	200	1.5	20	26	-0.008		15	26
T 19813	5600	7625	TUFF	LI,HE			30	440	210	1.5	30	34	-0.008		7	25
T 19814	5600	7637	TUFF	LI			35	200	135	1.0	30	59	-0.008		10	58
T 19815	5600	7650	VOLC	LI			15	95	125	1.5	20	34	-0.008		12	20
T 19816	5600	7662	VOLC	LI			15	1600	1850	2.0	-10	13	-0.008		51	42
T 19817	5600	7675	VOLC	LI,SI			10	300	495	1.0	10	34	-0.008		18	34
T 19818	5600	7687	TUFF	WI			15	4400	2100	20.0	20	59	-0.008		6	20
T 19819	5600	7700	TUFF	LI,HE			10	390	175	1.5	-10	33	-0.008		3	24
T 19820	5600	7775	MUDS	LI			15	25	145	2.0	20	19	-0.008		4	7
T 19821	5500	7762	SILT	LI			30	70	105	1.5	10	66	-0.008		6	25
T 19822	5500	7750	TUFF	WI			30	50	485	2.0	20	130	-0.008		6	30
T 19823	5500	7737	TUFF	LI			10	40	75	0.5	-10	37	-0.008		3	17
T 19824	5500	7725	SILT				15	470	250	1.0	-10	80	0.017		7	44
T 19825	5500	7712	TUFF	LI			10	80	310	0.5	20	31	-0.008		9	19
T 19826	5500	7700	SILT				35	690	225	1.5	20	100	-0.008		8	47
T 19827	5500	7687	SILT				15	2750	2100	3.0	10	48	0.009		12	47
T 19828	5500	7675	TUFF	LI,HE			10	125	580	2.0	-10	600	-0.008		4	38
T 19829	5500	7662	SILT				20	180	150	3.0	20	170	0.014		9	43
T 19830	5500	7650	SILT				30	90	90	1.5	20	67	-0.008		5	32
T 19831	5500	7637	SILT				15	90	110	1.0	-10	18	-0.008		7	11
T 19832	5500	7625	SILT				05	90	160	1.5	-10	22	-0.008		9	8
T 19833	5500	7612	SILT				15	45	135	1.5	30	29	-0.008		-3	18
T 19834	5500	7600	SILT				15	20	215	1.0	-10	12	-0.008		7	25
T 19835	5500	7587	VOLC	SI,LI	PY ?	02	5	35	155	-0.5	20	9	-0.008		-3	15

Laboratory:	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB
Method :	101	101	101	101	101	114	309	309	401	401
Det. Limit:	5.000	5.000	5.000	0.500	10.000	1.000	0.008	0.008	3.000	3.000

082182

RGC EXPLORATION PTY.LTD. DATA SHEET

PROJECT: EL 13/88 MOORES PIMPLE - RING RIVER GRID WACKER SAMPLES

SAMPLE NUMBER	NORTH metres	EAST metres	ROCK	ALTER	OREMIN	VEINS	CU PPM	PB PPM	ZN PPM	AG PPM	BI PPM	AS PPM	AU 309	AUCHK 309	SN PPM	SB PPM
T 19836	5500	7575	SILT	LT	GA	CA	20	70	215	1.0	-10	34	-0.008		6	12
T 19837	5500	7562	SILT				20	45	170	1.0	-10	31	-0.008	-0.008	10	15
T 19838	5500	7550	TUFF				10	15	95	1.0	-10	11	-0.008		5	4
T 19839	5500	7537	TUFF				15	70	200	1.0	-10	15	-0.008		-3	10
T 19840	5500	7525	TUFF	LI			20	115	160	1.0	-10	18	-0.008		5	10
T 19841	5500	6512	TUFF	LI			10	90	125	1.0	-10	11	-0.008		5	10
T 19842	5500	7500	SILT				30	470	70	1.5	-10	46	0.012		13	22
T 19843	5500	7487	SILT				55	370	410	2.0	-10	29	0.008		14	27
T 19844	5500	7475	T	GU	CY		25	215	340	1.5	-10	33	-0.008		11	17
T 19845	5500	7462	SILT				15	30	140	1.5	-10	19	-0.008		9	9
T 19846	5500	7450	SILT	WI			15	30	115	1.0	-10	14	0.014		7	4
T 19847	5500	7437	TUFF				40	80	230	1.5	10	17	-0.008		7	6
T 19848	5500	7425					25	-5	135	1.5	30	4	-0.008		4	3
T 19849	5500	7412	SILT	LI,HE			20	10	205	2.5	-10	14	-0.008		-3	9
T 19850	5500	7400	ILT	LI,HE			75	40	85	1.5	10	55	0.010		5	19
T 19851	5500	7462	SILT	.			40	-5	115	1.5	-10	6	0.021		7	4
T 19852	5600	7450	MUDS	LI			190	-5	125	1.5	-10	8	-0.008		8	5
T 19853	5600	7437	SILT	LI			35	-5	80	1.0	-10	5	-0.008		8	3
T 19854	5600	7425	SILT				75	-5	125	1.5	-10	17	-0.008		16	10
T 19855	5600	7412	SILT	LI			110	-5	150	2.0	-10	11	-0.008		7	6
T 19856	5600	7400	SILT	LI			35	-5	115	2.0	-10	4	-0.008		8	4
T 19857	5400	7575	EPIC	LI,HE			35	215	165	1.5	-10	16	-0.008		5	9
T 19858	5400	7562	SILT	LI			110	110	335	2.5	-10	64	-0.008		5	6
T 19859	5400	7550	SILT				65	60	170	2.5	-10	13	-0.008	0.021	6	20
T 19860	5400	7537	SILT	LI			20	-5	115	1.5	-10	10	-0.008		6	9
T 19861	5400	7525	SILT				60	125	175	2.5	-10	29	-0.008		10	24
T 19862	5400	7512	SILT	LI			15	30	170	2.0	-10	17	-0.008		9	31
T 19863	5400	7500	SILT	LI,HE			175	190	520	2.5	-10	59	-0.008		9	18
T 19864	5400	7487	SILT	LI			15	5	845	2.5	10	38	-0.008		3	12
T 19865	5400	7475	SILT	LI			20	450	570	2.5	10	37	-0.008		8	22
T 19866	5400	7462	SILT				20	145	45	2.5	10	12	-0.008		10	11
T 19867	5400	7450	SILT	BI			55	120	40	1.5	-10	10	-0.008		5	11
T 19868	5200	7550	GWAC	LI			40	220	155	2.5	-10	20	-0.008		5	16
T 19869	5200	7662	GWAC	LI,HE			35	140	480	1.5	-10	16	-0.008		7	44
T 19870	5200	7575	GWAC				50	40	150	1.5	-10	5	-0.008	0.008	8	8

Laboratory:	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB
Method :	101	101	101	101	101	114	309	309	401	401
Det. Limit:	5.000	5.000	5.000	0.500	10.000	1.000	0.008	0.008	3.000	3.000

082183

RGC EXPLORATION PTY.LTD. DATA SHEET

PROJECT: EL 13/88 MOORES PIMPLE - RING RIVER GRID WACKER SAMPLES

SAMPLE NUMBER	NORTH metres	EAST metres	ROCK	ALTER	OREMIN	VEINS	CU PPM	PB PPM	ZN PPM	AG PPM	BI PPM	AS PPM	AU 309	AUCHK 309	SN PPM	SB PPM
T 19871	5200	7587	GWAC				30	30	165	2.0	-10	9	-0.008		9	15
T 19872	5200	7600	SAND	LI			20	40	140	1.0	-10	6	-0.008		5	9
T 19873	5200	7612	GWAC	LI			105	35	165	2.5	10	13	-0.008		12	18
T 19874	5200	7625	SILT	LI			85	20	130	6.0	-10	3	-0.008		9	-3
T 19875	5200	7637	GWAC	LI			65	35	210	2.0	-10	9	-0.008	-0.008	3	-3
T 19876	5200	7650	SILT	LI			70	20	100	2.0	10	4	-0.008		-3	-3
T 19877	5200	7662	SILT	LI			510	50	180	1.5	10	3	-0.008		3	4
T 19878	5200	7675	SAND				85	35	135	2.0	-10	8	-0.008		6	12
T 19879	5200	7687	SILT				145	60	235	2.0	-10	18	-0.008		6	5
T 19880	5200	7700	SILT			CA	85	130	155	2.0	10	33	-0.008		8	35
T 19881	5200	7712	TUFF	SI,LI		SK,CA	10	45	30	1.0	-10	7	-0.008		5	4
T 19882	5200	7725	UNKN	LI		SK,LI	10	25	45	0.5	-10	5	-0.008		5	-3
T 19883	5400	7587	UNKN	SI			15	55	65	0.5	-10	6	-0.008		-3	8
T 19884	5400	7600	SILT				45	135	200	2.0	-10	63	-0.008		14	23
T 19885	5400	7612	SILT				90	50	120	1.0	-10	10	-0.008		8	13
T 19886	5400	7625	TUFF				50	180	100	2.0	20	12	-0.008		5	14
T 19887	5400	7637	SILT	LI			40	80	180	1.5	-10	16	-0.008		7	16
T 19888	5400	7650	SILT	SI,LI			35	250	455	2.0	-10	15	-0.008		10	11
T 19889	5400	7662	TUFF				15	30	250	2.0	-10	10	-0.008		-3	-3
T 19890	5400	7675	SILT				65	55	65	2.5	-10	71	-0.008		3	7
T 19891	5400	7687	SILT				60	85	90	1.5	-10	44	-0.008	-0.008	9	34
T 19892	5400	7700	TUFF	SI			25	450	1550	3.0	-10	500	-0.008		8	7
T 19893	5400	7712	TUFF				25	70	90	1.5	-10	180	-0.008		7	44
T 19894	5400	7725	SILT				25	45	35	1.5	-10	210	-0.008		8	22
T 19895	5400	7737	SILT				5	-5	20	1.0	-10	9	-0.008		9	4
T 19896	5400	7750	MUDS				95	85	90	1.5	-10	69	0.015		4	21
T 19897	5200	7737	TUFF	SI			15	10	25	-0.5	-10	7	-0.008		8	3
T 19898	5200	7750	TUFF				35	20	70	-0.5	-10	47	0.019		4	3
T 19899	5200	7762	TUFF				35	15	65	2.0	10	20	-0.008		18	29
T 19900	5200	7775	TUFF				15	15	95	1.5	-10	13	-0.008		5	4
T 19901	5200	7787	TUFF	SI			15	20	30	1.5	20	30	-0.008		5	10
T 19902	5200	7800	SILT				75	60	70	1.5	-10	140	-0.008		4	27
T 19903	5200	7812	SILT				55	25	65	1.5	10	140	0.010		6	12
T 19904	5200	7825	MUDS				30	20	50	1.5	-10	140	-0.008		3	8
T 19905	5200	7637	SILT				40	50	60	1.0	-10	110	-0.008	-0.008	4	13

Laboratory:	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB
Method :	101	101	101	101	101	114	309	309	401	401
Det. Limit:	5.000	5.000	5.000	0.500	10.000	1.000	0.008	0.008	3.000	3.000

082184

RGC EXPLORATION PTY.LTD. DATA SHEET

PROJECT: EL 13/88 MOORES PIMPLE - RING RIVER GRID WACKER SAMPLES

SAMPLE NUMBER	NORTH metres	EAST metres	ROCK	ALTER	OREMIN	VEINS	CU PPM	PB PPM	ZN PPM	AG PPM	BI PPM	AS PPM	AU 309	AUCHK 309	SN PPM	SB PPM
T 19906	5200	7850	SILT				50	45	100	2.0	-10	34	0.014		9	13
T 19907	5130	7675	SILT	LI.WI			35	105	175	1.0	-10	50	0.017		9	19
T 19908	5130	7662	SILT	.			40	140	115	1.0	10	34	0.022		6	17
T 19909	5130	7650	SILT	LI			30	50	80	1.0	-10	42	-0.008		7	18
T 19910	5130	7637	SILT	LI			75	30	80	1.0	-10	35	0.013		5	21
T 19911	5130	7625	SILT	LI			75	45	60	1.0	-10	55	-0.008		4	3
T 19912	5130	7612	SILT				45	35	40	1.0	-10	33	0.010		6	7
T 19913	5130	7600	SILT				55	25	50	1.0	-10	39	0.014		10	6
T 19914	5130	7587	SILT				30	65	55	1.5	-10	160	0.010		3	23
T 19915	5130	7575	SILT				100	50	95	2.0	-10	57	-0.008		8	20
T 19916	5130	7562	SILT				30	25	75	1.5	-10	17	-0.008		9	-3
T 19917	5130	7550	SILT				30	25	90	2.0	-10	16	-0.008		9	-3
T 19918	5130	7537	TUFF	SI			140	5	65	0.5	-10	5	-0.008		5	4
T 19919	5130	7525	TUFF	SI.LI		SK.LI	60	-5	30	0.5	10	5	-0.008		3	3
T 19920	5130	7512	SILT	LI			20	90	105	1.0	-10	18	-0.008		7	6
T 19921	5130	7500	SILT				10	150	120	1.5	-10	13	-0.008	-0.008	4	-3
T 19922	5130	7487	SILT				125	65	555	3.0	-10	18	-0.008		11	13
T 19923	5130	7475	GWAC	LI			65	10	105	1.5	10	8	0.014	0.009	6	3
T 19924	5130	7462	GWAC	LI			50	15	100	1.0	-10	6	0.015		6	-3
T 19925	5130	7450	GWAC	LI			15	15	55	1.0	-10	4	-0.008		4	-3
T 19926	5130	7437	GWAC	LI			10	15	70	1.5	-10	6	-0.008		9	9
T 19927	5130	7425	SILT				45	15	110	1.5	10	5	-0.008		9	-3
T 19928	5130	7412	GWAC				40	10	70	1.5	-10	6	0.011		6	-3
T 19929	5130	7400	GWAC	LI			35	10	55	1.5	-10	5	-0.008		11	5
T 19930	5070	7525	SILT	.			35	30	135	1.0	-10	12	-0.008		9	6
T 19931	5070	7512	SILT	LI.HE			35	440	400	2.0	10	20	0.010		7	9
T 19932	5070	7500	SILT	LI			45	530	930	2.5	20	15	-0.008		-3	10
T 19933	5070	7487	SILT	LI			70	55	140	1.5	20	16	-0.008		-3	7
T 19934	5070	7475	SILT	LI		QZ	35	40	30	1.5	-10	11	-0.008		-3	6
T 19935	5070	7462	SILT	LI			105	20	50	1.5	-10	10	0.009	0.009	4	47
T 19936	5070	19936	PPQZ				55	10	35	0.5	-10	4	0.012		6	-3
T 19937	5070	7437	PPQZ	LI			70	25	50	1.5	-10	4	-0.008		-3	-3
T 19938	5070	7425	GWAC	LI			45	55	105	1.5	-10	6	0.010		5	5
T 19939	5070	7412	GWAC				75	205	180	-0.5	10	12	-0.008		7	50
T 19940	5070	7400	GWAC	SI			15	200	215	1.0	-10	5	0.008		6	5

Laboratory:	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB
Method :	101	101	101	101	101	114	309	309	401	401
Det. Limit:	5.000	5.000	5.000	0.500	10.000	1.000	0.008	0.008	3.000	3.000

08218

RGC EXPLORATION PTY.LTD. DATA SHEET

PROJECT: EL 13/88 MOORES PIMPLE - RING RIVER GRID WACKER SAMPLES

SAMPLE NUMBER	NORTH metres	EAST metres	ROCK	ALTER	OREMIN VEINS	CU PPM	PB PPM	ZN PPM	AG PPM	BI PPM	AS PPM	AU 309	AUCHK 309	SN PPM	SB PPM
T 19941	5070	7387	GWAC	LI		15	45	70	1.0	-10	7	-0.008		5	5
T 19942	5070	7375	GWAC			10	35	75	1.5	-10	5	-0.008		6	-3
T 19943	5000	7350	SILT	.		40	40	230	1.5	20	6	0.012	0.256	7	8
T 19944	5000	7362	SILT	LI,HE		95	475	700	2.5	-10	10	0.011		5	33
T 19945	5000	7375	SILT			145	60	95	1.5	-10	13	-0.008		5	16
T 19946	5000	7387	SILT			105	80	225	1.5	-10	13	-0.008		6	11
T 19947	5000	7400	SILT			45	105	220	1.5	-10	8	-0.008		12	3
T 19948	5000	7412	GWAC	LI		10	35	75	1.5	20	5	-0.008		5	-3
T 19949	5000	7425	SILT			105	45	85	2.0	-10	10	0.009		5	-3
T 19950	5000	7437	SILT			135	45	65	1.5	-10	8	-0.008		-3	5
T 19951	5000	7450	SILT	LI		150	95	170	1.5	-10	14	-0.008	-0.008	7	7
T 19952	5000	7462	PPOZ			40	30	35	-0.5	-10	4	-0.008		6	-3
T 19953	5000	7475	PPOZ			10	45	35	-0.5	-10	10	-0.008		5	-3
T 19954	5000	7487	GWAC	SI		10	40	100	-0.5	10	6	-0.008		7	-3
T 19955	5000	7500	SILT			20	60	65	2.0	-10	19	-0.008	-0.008	6	19
T 19956	5000	7512	SILT			65	45	85	1.5	-10	16	-0.008		4	8
T 19957	5000	7525	SILT			40	20	85	1.0	-10	26	0.010		8	5
T 19958	5000	7537	SILT			50	20	65	1.0	-10	140	-0.008		-3	8
T 19959	5000	7550	SILT			40	25	120	1.0	10	120	-0.008		7	11
T 19960	5000	7562	SILT			55	50	120	1.5	-10	68	-0.008		4	24
T 19961	5000	7575	SILT			20	35	180	0.5	-10	190	-0.008		-3	10
T 19962	5000	7587	SILT			120	60	100	1.0	-10	140	-0.008		11	115
T 19963	5000	7600	SILT			30	65	100	0.5	-10	53	-0.008		4	6
T 19964	5000	7612	SILT			35	90	145	1.0	-10	62	-0.008		6	10
T 19965	5000	7625	SILT			40	165	135	1.0	20	41	-0.008	-0.008	6	20
T 19966	5000	7637	SILT			55	170	960	2.0	-10	30	-0.008		4	13
T 19967	5000	7650	SILT			35	355	610	2.5	-10	34	-0.008		9	12
T 19968	5070	7675	SILT			450	90	340	2.0	10	62	-0.008		5	14
T 19969	5070	7662	SILT			120	150	255	1.5	10	52	-0.008		7	14
T 19970	5070	7650	SILT			30	85	120	1.5	-10	190	-0.008		8	8
T 19971	5070	7637	SILT			70	45	70	1.0	-10	92	-0.008		5	23
T 19972	5070	7625	SILT			35	20	60	1.0	10	140	-0.008		7	8
T 19973	5070	7612	SILT			70	30	125	1.0	-10	190	-0.008		4	30
T 19974	5070	7600	SILT			40	95	90	1.5	-10	120	0.018		5	45
T 19975	5070	7587	SILT			30	50	125	1.0	-10	66	-0.008		3	23

Laboratory:	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB
Method :	101	101	101	101	101	114	309	309	401	401
Det. Limit:	5.000	5.000	5.000	0.500	10.000	1.000	0.008	0.008	3.000	3.000

082186

RGC EXPLORATION PTY.LTD. DATA SHEET

PROJECT: EL 13/88 MOORES PIMPLE - RING RIVER GRID WACKER SAMPLES

SAMPLE NUMBER	NORTH metres	EAST metres	ROCK	ALTER	OREMIN	VEINS	CU PPM	PB PPM	ZN PPM	AG PPM	BI PPM	AS PPM	AU 309	AUCHK 309	SN PPM	SB PPM
T 19976	5070	7575	SILT				15	35	30	1.5	-10	40	-0.008		6	15
T 19977	5070	7562	SILT				40	30	85	1.5	10	72	-0.008		4	28
T 19978	5070	7550	SILT				35	45	115	1.0	-10	17	-0.008		4	12
T 19979	5070	7537	SILT				35	30	160	1.5	-10	14	-0.008		6	9
T 19980	4800	7500	SILT	.			20	40	240	1.5	-10	17	-0.008		4	6
T 19981	4800	7487	PPQZ	SI			20	85	85	0.5	-10	8	-0.008	-0.008	5	7
T 19982	4800	7475	GWAC	LI			10	20	90	1.0	-10	7	-0.008		6	-3
T 19983	4800	7462	GWAC				65	470	980	2.5	10	46	-0.008		11	14
T 19984	4800	7450	CONG				10	35	90	1.0	-10	8	-0.008		8	8
T 19985	4800	7437	CONG				20	15	35	0.5	-10	9	-0.008		7	4
T 19986	4800	7425	CONG				35	20	85	1.5	-10	21	-0.008		3	3
T 19987	4800	7412	CONG				20	20	70	0.5	-10	8	-0.008		6	-3
T 19988	4800	7400	CONG	SI			50	10	50	-0.5	-10	5	-0.008		6	3
T 19989	4800	7387	GWAC				10	20	425	1.0	-10	16	-0.008		3	6
T 19990	4800	7375	PPQZ				-5	15	40	0.5	-10	6	-0.008		7	-3
T 19991	4800	7362	PPQZ				70	520	560	1.5	-10	20	-0.008		6	27
T 19992	4800	7350	PPQZ	LI			30	25	55	0.5	-10	9	-0.008		3	23
T 19993	4800	7512	SILT				10	65	65	1.5	-10	7	-0.008		4	11
T 19994	4800	7525	SILT				45	60	170	1.5	-10	56	-0.008		7	5
T 19995	4800	7537	SILT	WT			40	205	415	1.0	-10	41	-0.008		7	17
T 19996	4800	7550	SILT				30	70	185	1.5	-10	26	-0.008	0.009	3	-3
T 19997	4800	7562	SILT				55	175	190	1.5	-10	52	-0.008		7	23
T 19998	4800	7575	TUFF				25	60	190	1.0	10	18	-0.008		6	-3
T 19999	4800	7587	SILT				30	45	135	1.5	-10	12	-0.008	-0.008	5	-3
T 20000	4800	7600					40	95	350	1.0	-10	49	-0.008	-0.008	6	8
T 20001	4600						40	45	175	1.0	-10	74	-0.008	-0.008	6	6
T 20002	4800	7625	SILT	.			50	135	415	1.0	-10	200	0.008		7	28
T 20003	4800	7637	SILT				40	160	1200	1.0	-10	23	-0.008		6	7
T 20004	4800	7650	SILT	LI			65	260	405	1.0	10	39	-0.008		5	18
T 20005	4700	7350	PPQZ	.		SK	10	5	25	-0.5	20	7	-0.008		3	-3
T 20006	4700	7362	PPQZ				10	10	40	-0.5	-10	10	-0.008		-3	-3
T 20007	4700	7375	SILT				170	10	65	-0.5	-10	10	-0.008		3	-3
T 20008	4700	7387	CONG				10	5	45	-0.5	-10	6	-0.008		3	-3
T 20009	4700	7400	PPQZ				15	15	30	-0.5	-10	11	-0.008		4	4
T 20010	4700	7412	SILT				25	25	85	1.0	-10	26	-0.008		5	11

Laboratory:	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB
Method :	101	101	101	101	101	114	309	309	401	401
Det. Limit:	5.000	5.000	5.000	0.500	10.000	1.000	0.008	0.008	3.000	3.000

08218

PROJECT: EL 13/88 MOORES PIMPLE - RING RIVER GRID WACKER SAMPLES

SAMPLE NUMBER	NORTH metres	EAST metres	ROCK	ALTER	OREMIN	VEINS	CU PPM	PB PPM	ZN PPM	AG PPM	BI PPM	AS PPM	AU 309	AUCHK 309	SN PPM	SB PPM
T 20011	4700	7425	PPQZ	LI,SI		SK	10	15	130	1.0	-10	21	-0.008		5	8
T 20012	4700	7437	SILT				25	85	190	1.0	10	28	-0.008		5	7
T 20013	4700	7450	TUFF	LI			5	30	90	1.0	-10	19	-0.008		-3	-3
T 20014	4700	7462	SILT				30	110	200	1.0	-10	56	-0.008		9	9
T 20015	4700	7475	SILT				35	25	50	0.5	-10	57	-0.008		6	7
T 20016	4700	7487	SILT				20	75	240	1.0	-10	31	-0.008		6	3
T 20017	4700	7500	SILT				60	50	110	1.0	-10	66	-0.008	-0.008	4	15
T 20018	4700	7512	SILT				40	40	170	1.0	-10	22	-0.008		7	11
T 20019	4700	7525	SILT				70	85	205	1.5	-10	24	-0.008		8	4
T 20020	4700	7537	TUFF	LI,HE			50	25	325	0.5	-10	27	-0.008		4	3
T 20021	4700	7550	TUFF				70	90	440	0.5	-10	26	-0.008		4	8
T 20022	4700	7562	TUFF	LI			110	140	220	1.0	-10	35	-0.008		4	4
T 20023	4700	7575	TUFF				15	45	250	0.5	-10	17	-0.008		-3	-3
T 20024	4700	7587	TUFF				20	85	365	0.5	-10	8	-0.008		5	3
T 20025	4700	7600	SILT				40	240	465	1.5	-10	17	-0.008	-0.008	7	5
T 20026	4600	7500	TUFF	LI,HE			10	80	215	1.5	-10	10	-0.008		5	-3
T 20027	4600	7487	TUFF				15	75	105	1.0	-10	16	-0.008		7	-3
T 20028	4600	7475	SILT				45	35	125	1.0	-10	104	-0.008		10	11
T 20029	4600	7462	SILT				35	200	155	1.5	-10	46	-0.008		3	19
T 20030	4600	7450	SILT				40	45	190	1.0	-10	110	-0.008		3	5
T 20031	4600	7437	SILT				50	35	155	1.0	-10	40	-0.008		5	5
T 20032	4600	7425	SILT				70	220	280	1.0	-10	48	-0.008		11	-3
T 20033	4600	7412	SILT				70	85	145	0.5	10	47	-0.008		7	9
T 20034	4600	7400	SILT				70	240	515	1.0	-10	52	-0.008		6	13
T 20035	4600	7387					115	30	150	0.5	-10	87	-0.008		-3	-3
T 20036	4600	7375	SILT				35	110	220	1.0	-10	23	-0.008		-3	5
T 20037	4600	7362	CONG	LI			40	40	215	1.5	-10	29	-0.008		-3	17
T 20038	4600	7350	PPQZ		PY		20	20	55	0.5	-10	11	-0.008		5	9
T 20039	4600	7337	PPQZ	SI,LI	PY		10	20	40	-0.5	-10	13	-0.008		3	5
T 20040	4600	7325	PPQZ				10	20	55	-0.5	-10	8	-0.008		-3	4
T 20041	4600	7312	PPQZ	LI	PY		40	10	30	-0.5	-10	9	-0.008	-0.008	-3	4
T 20042	4600	7300	GABB	AC			15	20	175	1.5	-10	7	-0.008		5	-3
T 20043	4600	7287	GABB	LI			70	20	175	1.0	-10	8	-0.008	-0.008	5	25
T 20044	4600	7275	VOLC				35	20	40	1.0	10	14	-0.008		-3	13
T 20045	4600	7262	VOLC	SI,LI			255	5	55	-0.5	-10	11	-0.008		2	10

Laboratory:	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB
Method :	101	101	101	101	101	114	309	309	401	401
Det. Limit:	5.000	5.000	5.000	0.500	10.000	1.000	0.008	0.008	3.000	3.000

08218

PROJECT: EL 13/88 MOORES PIMPLE - RING RIVER GRID WACKER SAMPLES

SAMPLE NUMBER	NORTH metres	EAST metres	ROCK	ALTER	OREMIN VEINS	CU PPM	PB PPM	ZN PPM	AG PPM	BI PPM	AS PPM	AU 309	AUCHK 309	SN PPM	SB PPM
T 20046	4600	7250	GABR	AC		10	-5	175	1.0	-10	7	-0.008		9	-3
T 20047	4600	7237	GABR			10	25	160	1.0	20	6	-0.008		4	3
T 20048	4600	7225	GABR	CA	PY	10	20	105	1.5	-10	7	-0.008		-3	3
T 20049	4600	7212	GABR			40	25	240	1.0	-10	9	-0.008		6	21

Laboratory:	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB
Method :	101	101	101	101	101	114	309	309	401	401
Det. limit:	5.000	5.000	5.000	0.500	10.000	1.000	0.008	0.008	3.000	3.000

082189

APPENDIX 10

Geology of the (Mount) Dundas Grid and Lines 3600, 3800, 4000N Montezuma Grid E.L.'s 101/87 Dundas and 13/88 Williamsford.

082191

GEOLOGY OF THE DUNDAS GRID AND LINES 36 38 40N MONTEZUMA GRIDS

EL 101/87 DUNDAS AND 13/88 WILLIAMSFORD

MAY 1990

ROGER POLTOCK GEOLOGICAL for RENISON GOLDFIELDS CONSOLIDATED

CONTENTS

	Page
SUMMARY AND CONCLUSIONS	1
INTRODUCTION	2
DESCRIPTION OF LITHOTYPES	3
STRATIGRAPHY AND STRUCTURE	7
MINERALIZATION	10

PLANS

1. Fact geology and sample locations X missing info. letter sent 5/6/92 1:5000
2. Interpretive geology X 1:5000

APPENDICES

1. Sample record and analytical data sheets ✓
2a-n. Photographs of lithotypes ✓
3a-e. Photographs of alteration and mineralization styles ✓

REFERENCES

Corbett,K,D: Lees,T,C: 1987
Cambrian deformation of the Mt Read Volcanics Tasmania

Blissett,A,H: 1962
Geological Survey Explanatory Report Zeehan

Green,G,R; 1983
The geological setting and formation of the Rosebery volcanic hosted massive sulfide orebody, Tasmania.
A thesis submitted in partial fulfillment of the requirements for the degree of Doctor of Philosophy.

SUMMARY AND CONCLUSIONS

The grid is underlain by a sequence of precambrian schist/quartzite/conglomerate and cambrian fine grained sediments and felsic volcanics. Correlation of the younger precambrian and cambrian is uncertain and may be in part equivalents of the Oonah Quartzite, Dundas Group or Rosebery Group.

The sequence trends north, dips steeply to the east and probably faces east. The Rosebery Fault, a thrust with a moderate easterly dip is the major structure but is not prominant due to its subparallel strike with the stratigraphy. The sequence from precambrian basement in the west to cambrian White Spur Formation in the east may represent several fault thrusts rather than a continuous sequence.

Only minor mineralization has been located and is either Devonian associated with carbonate horizons/alteration or cambrian stockworking in volcanics in close proximity to the Rosebery Fault. The area has been prospected in the past for silver lead but no production is recorded.

The area may have potential to host gold and base metal mineralization associated with volcanics and the Rosebery Fault.

INTRODUCTION

This report details contract geological mapping of the Dundas grid and SE part of the Montezuma grid. See Plans 1 and 2. The report was compiled before assay data or the ground magnetic survey was available.

The grid area comprises 3kms extending from Moores Pimple in the north southwest for 3.8km to the headwaters of Comet Creek. The grid straddling the ridge between Moores Pimple and Mount Dundas. The SW part of the grid, lines 14,16,18N lies within EL 101/87.

Two grids are included in the mapping:

-Dundas Grid, lines trending 134 true, at 200m spacing. extending 500m (4500-5500E) either side of a central baseline (5000E) which trends 222 true. Lines are numbered from 1400N to 4200N.

-Montezuma Grid (designated "Mg"), the SE part of this grid has been extended to cover the gap between the two grids. Lines are spaced at 200m, trend 252 true and include 36N, 38N and 40N. Line 28N of the Dundas grid is used as access. The grid follows pre-existing lines.

Cross lines and the baseline have been pegged at slope corrected distances and surveyed with tape compass. The plotted grid on the geological plan has used topographic features as control points.

Geological mapping by Roger Poltock was completed in 11 days between April 23 and May 11. The gridded area is quite steep but readily accessible by roads via Dundas and Hercules and the Moores Pimple walking track. Geological data is presented as fact and interpretive plans. See Plan 1 and 2.

A total of 63 rock samples was collected in the course of mapping No 26801 - 26866, with 26820, 26840 and 26860 as standards. 31 of these samples were submitted for assay. See Appendix 1. The balance of the samples are a representative suite of lithologies.

DESCRIPTION OF LITHOTYPES

Correlations and groupings are based on previous mapping by RGC geologists on the adjoining grids and discussions with Tony Brown of the Geological Survey on May 14. None of the lithologies or alteration types have been submitted for petrology.

Pcs Precambrian Concert Schist

The most extensive exposures of this unit are in the SW sector of the Dundas and Montezuma grids.

The dominant lithologies are quartz muscovite schist interbedded with quartzites which are strongly foliated and frequently displaying a crenulation cleavage.

Bedded carbonates and graphitic phyllites are exposed in Comet Creek at 1400N 4775E, 1525N 5000E.

Samples of this unit include 26813, 26814, 26816 and 26818.

Pcd Precambrian Maestries Conglomerate

A carbonate rich conglomerate occurring as narrow lenses within the Concert Schist near its eastern contact with the Oonah Quartzite.

The best exposures are on the intersection of lines 28N Dundas grid and 40N Montezuma grid, other occurrences are at 36N 4600E ("Mg"), 1600N 4970E, 1550N 5000E and 1400N 5030E. A silicified and pyritic fine conglomerate at 1400N 5025E may belong to the same unit.

The conglomerate is poorly sorted and matrix supported. Clasts are subrounded to rounded, comprising fine grained siltstone, sandstone (tuffaceous), carbonate and minor pyrite (Appendix 2a) The conglomerate typically weathers with a limonite crust.

Samples of this unit include include 26804, 26812, 26815.

Po Precambrian Oonah quartzite and slate or Cambrian Rosebery Group Stitt Quartzite

A sequence of well bedded quartzite and black siltstone overlying Pos and/or Pod in the SW sector of the grid.

Quartzites are dark grey, micaceous, well sorted (although some have a feldspathic appearance), strongly jointed, quartz veined and occasionally pyritic (Appendix 2c).
Siltstone and phyllite are grey to graphitic, frequently pyritic and occasionally with soft sediment deformation features (Appendix 2b).

Samples of this unit include 26805, 26806, 26817 and 26823.

Ctg Ctp Ctl Cambrian Dundas Group / Rosebery Group Westcott Argillite

A mixed sequence of grey (Ctg) and pink (Ctp) greywackes (Appendix 3a) and siltstone with one main limestone siltstone horizon (Ctl). The sediments are fine to medium grained, moderately well sorted, carbonate (dolomite) rich and have been derived from a felsic volcanic terrane as indicated by chloritized glass clasts and quartz feldspar crystals.

Scattered dark grey cherty siltstones are a minor part of the sequence and can be seen outcropping at 2200N 5000E.

Graded bedding and load structures indicate that in places the sequence faces east.

The sequence is well exposed along the Moores Pimple track between lines 2200N and 3400N.

Samples of this unit include 26807, 26819, 26833, 26842 and 26851.

Cc Cambrian Polymict conglomerate Dundas Group (Herrmann Cdc) / Rosebery Group Salisbury Conglomerate

Polymict conglomerate composed of subrounded to well rounded clasts 5-50mm diameter, poorly sorted, clast to matrix supported (Appendix 2f). Clasts include cream to pink chert/ vitric tuff, felsic/ basic volcanics and fuchsite carbonate. Matrix lacks sorting and comprises fine grit of similar material to the clasts and quartz feldspar crystals.

Poorly bedded horizons of greywacke sandstone occur within the sequence.

On the grid the conglomerate is restricted to the Moores Pimple area and is interpreted to be in fault contact with other units.

A sample of this unit is 26864.

Cvs Cambrian Dundas Group or Rosebery Group

Quartzose wackes, siltstone, chert, vitric/ crystal tuffs and limestone (Appendix 2g h i) occur in the central section of the grid between 22N and 36N.

The sediments are interpreted to have been deposited in a proximal volcanic, shallow water environment. Sediments are dark grey to cream, with a varying amount of felsic tuffaceous detritus.

Samples of this unit include 26824, 26832, 26836, 26847, 26853 and 26858.

Cvf Cambrian Dundas Group (Herrmann Cdp Cdv) or Rosebery Group Natone Volcanics

Rhyolitic volcanics including lavas, vitric tuffs, volcanic and hydrothermal breccias (Appendix 2k). The volcanics occur between 26N and 42N in central part of the grid and are best exposed on Moores Pimple.

The dominant lithology is fine grained with scattered sericitized lithics (glass) or crystals (feldspar) <2mm, and is interpreted to be either a vitric tuff or rhyolite lava (Appendix 2j).

The tuffs and breccias show little evidence of reworking and are probably subaerial/mass debris deposits. Hydrothermal breccias are of limited extent but common (Appendix 2k).

Samples of the unit include 26825, 26837, 26845, 26846,26853, 26856, 26857, 26859 and 26862.

Cwt Cambrian White Spur Formation

Interbedded tuffaceous wacke and siltstone. This is the dominant unit on the eastern section of the grid, with extensive exposure along the road the in vicinity of 42N.
The sediments are grey to khaki, micaceous, thinly bedded with a prominant slaty cleavage (Appendix 2l). Scattered horizons of vitric/ crystal tuff and carbonate occur, the latter outcropping on the road at 42N 5175E.

Samples of this unit include 26808, 26826, 26829, 26830, 26850 and 26861.

Cwf Cambrian White Spur Formation

Similar to Cwt but with crystal (Appendix 2n) and vitric tuffs dominant, occuring as a lense within Cwt between 18N -30N and in the NE corner of grid between 40N - 42N.

The dominant lithology is a cream, thinly bedded, vitric tuff (Appendix 2m) which is frequently stockworked with quartz veins.

Samples of this unit include 26809, 26821, 26827, 26828 and 26838.

Cug Cambrian gabbro and basalt

Outcrops as a sill or lens like body <15m thick within Ctg near the contact with Po between lines 22-26N and 36N 4950E ("Mg"). Best exposures are in old prospect trenches at 22N 4775E and on the slopes immediately south for 125m.

The unit is always carbonate altered either fine grained basaltic ? with chloritic amygdales (Appendix 2e) or medium to coarse grained gabbroic (Appendix 2d). that it is at least in part an extrusive or

Samples of this unit include 26822, 26834, 26835 and 26841.

Cs Cambrian fuchsite silica carbonate rock / serpentinite ?

This alteration type is associated with fault zones and Cc in the Moores Pimple area and is interpreted to be in part an altered chromite bearing mafic (serpentinite) however some remnant textures suggest felsic volcanics (Appendix 3c).

The most extensive exposure is in a NNW trending zone between 36N and 40N. more localized occurences are at 3075-3100N 5000E, and 4200N 4860-4900E.

The surface of outcrops are typically weathered to a gossanous crust reflecting the carbonate content. Breccia textures are common.

Samples of this alteration include 26822, 26834, 26835, 26841, 26844, 26852, 26855 and 26863.

STRATIGRAPHY AND STRUCTURE

An essentialy N to NE trending sequence with moderate to steep easterly dips and probably east facing, with a regional flexure to the NW in the northern part of the area. Structural and stratigraphic continuity has been interpreted with previous mapping on the Ring River Grid to the north and Montezuma Grid to the NW.

Five structural and stratigraphic entities are interpreted to exist, bounded by fault structures with the exception of Concert Schist and Oonah contact which is at least in part an unconformity.

From east to west these entities are :

-Concert Schist/ Maestries Conglomerate
-Oonah Quartzite Slate (Stitt Quartzite)/ Dundas Group greywacke silt (Rosebery Group (Westcott Argillite) /gabbro and basalt
-Dundas Group conglomerate/ Rosebery Group Salisbury Conglomerate
-Felsic volcanics and sediments
-White Spur Formation greywacke siltstone and felsic volcanics.

Concert Schist Maestries Conglomerate

The schists are the basal and western most unit on the grid, typically strongly foliated to schistose with a crenulation cleavage. Structural trends are N to NW, with steep dips to the E and W; and on the Montezuma grid trending WNW with shallow dips to the south.

Significant deformation has occurred pre " Oonah/ Dundas Group" deposition. The schists were refolded during the Devonian.

The Maestries Conglomerate occurs as discontinuous lenses either within the schist near the eastern contact or on the contact with the Oonah. This proximity to the contact indicates that there is probably an unconformity/disconformity between Pos and Po, significant fault displacement may also have occurred on the contact. The conglomerate is relatively massive and is interpreted as structurally more competant than the Pos.

Oonah Quartzite Slate (Stitt Quartzite)/ Dundas Group greywacke silt (Rosebery Group Westcott Argillite) /gabbro and basalt

The Po overlies the Pos or locally the Pod having similar trends to the later. The Po quartzites and slates are well bedded. In the vicinity of drill roads at 40N ("M g") isoclinal folds with steep dipping fold axis are exposed; these may be localized structures in proximity to a possible faulted contact with the Pos.

The quartzite and slates are apparently conformably overlain by pink to grey dolomitic greywacke siltstone limestone and a single horizon or sill of gabbro/basalt.

The sequence strikes N to NNE and dips between 20-80 east, facings from graded beds and load casts indicate east younging.

A likely alternative correlation for the package is Stitt Quartzite (Po) and Westcott Argillite on the basis of:
-structural affinities with overlying Cambrian sediments
-occurence of a tuffaceous greywacke apparently within the quartzite at 14N 5175E
-apparently overlain by Ctg, Rosebery Group Westcott Argillite (Green 1983 and discussion with Tony Brown Geological Survey)

The sequence is bounded to the NE by a shear zone with associated fuchsite carbonate silica alteration and to the east by the Rosebery Fault.

Dundas Group conglomerate/ Rosebery Group Salisbury Conglomerate

Separated from the previous package by a NNW trending fault zone up to 100m wide which has been totally altered to fuchsite silca carbonate and is interpreted to have been in part a serpentinite body.

This structure is probably the southern continuation of the fault associated with the ultramafic on the eastern flank of the Huskisson Syncline and west of Colebrook Hill. The fault is interpreted to either join the Rosebery Fault or is displaced by it in the hanging wall but continuing in the footwall. This trend in the footwall should be evident from the magnetics.

Herrmann's mapping on the Ring River Grid to the north suggests that these conglomerates occur in the crest of an anticlinal structure with overlying Dundas Group/Westcott Argillites on the limbs. From current mapping the structural and stratigraphic associations are uncertain.

The conglomerate contact with the volcanics to east on the flanks of Moores Pimple is the Rosebery Fault.

Felsic volcanics and sediments

This NE trending sequence of rhyolitic volcanics and sediments is interpreted to lie within the Rosebery Fault zone. The sequence is 250-300m thick and was intersected in MP1 from 133.50m to the end of the hole (EZ report No T222 1986). These volcanics have been tentatively correlated with the Natone Volcanics. See Green 1983.

The Rosebery Fault has been defined as an east dipping (40) thrust with a minimum displacement at Rosebery of 1.5km (Corbett and Lees 1987). The MP1 intercept and outcrop pattern of the volcanics on the eastern flanks of Moores Pimple confirm the attitude of the structure but there is no indication of the displacement.

The fault association with the volcanics can be traced south to 22N where the structure appears to swing south across the sequence into the White Spur Formation. This apparent trend is a function of the combination of an east dipping thrust and topography.

White Spur Formation greywacke siltstone and felsic volcanics.

Located on the hanging wall side of the Rosebery Fault; the sequence is NE trending with steep west dips. A prominant slaty cleavage and short wavelength folds are common.

The White Spur Formation was considered by Corbett and Lees, 1987, as the base of Dundas Group; underlying the Stitt Quartzite and Westcott Argillite and the overlying the central volcanics which host the Rosebery and Hercules mineralization. From current mapping no indication of stratigraphic or structural position has been determined.

MINERALIZATION

Minor mineralization has been located, associated with carbonate horizons, silica fuchsite carbonate alteration, quartz stockworking and hornfelsing. The mineralization is attributable to Cambrian volcanism and Devonian granitoids.

Trenching and adits were located but no attempt has been made to map or systematically sample them. The main prospecting activity in the past has been at the Moores Pimple mine and in vicinity of 22N on the Moores Pimple walking track. There is no mineral production recorded from the area.

Mineralization and alteration styles are as follows:-

Carbonate horizons/carbonate alteration in Concert Schist

Exposed in shallow prospect pits at 1600N 4700E (26801-802). 1600N 4825E (26803). The former occurence is the most extensive, a north trending zone of carbonate/chlorite/pyrite 8m wide has been exposed.

Carbonate altered gabbro/basalt

Carbonate altered and slightly pyritic basic rocks with minor galena sphalerite veinlets are exposed in trenching at 22N 4790E (26822) and 24N 4665E (26834), an adit has been driven at 22N. This alteration has also been located at 26N 4600E (26835).

The zone was probably prospected because of the gossanous weathering surface developed on outcrops. The sulfide content of the rock is only a trace.

Maestries Conglomerate

This horizon has been explored to some depth on the Montezuma grid and work in that area wil not be discussed further. An adit at 36N ("Mg") 4450E is interpreted to have been driven to intercept the conglomerate but the target probably was not reached. Only phyllite with carbonate veins were found on the dump (26839).

Hornfelsing/silicification

Weak hornfelsing of Ctg Ctp is located in a diffuse zone around 30N 4600E (Appendix 3a). The following features indicate hornfelsing:
- bleached appearance
- spotted with chlorite
- coarse grains of pyrite
- hard exposures with a conchoidal fracture.

A zone of silicification, pyritization and brecciation (Appendix 3b) is centred on the baseline between 1400N and 1700N (26812. 26814, 26817). This alteration is hosted within Pos and Po.

The hornfelsing and silicification is probably attributable to Devonian granitoids.

Fuchsite silica carbonate alteration

This is associated with faults and the chert pebble conglomerate (Cc)in the northern part of the grid.

The most extensive zone is 100m wide located between 36N-40N and is interpreted to be mainly an altered serpentinite (Appendix 3c and 26855, 26863). This zone has been prospected at the Moores Pimple mine 3850N 4525E, the workings were not located during the current mapping but were sampled by Herrmann 1989 and described by Blissett 1962 as veinlets of galena sphalerite pyrite chalcopyrite in a carbonate rock.

More localized occurrences of this alteration have been located at:
- 3075-3100N 5000E, associated with felsic volcanics in the Rosebery Fault (26844)
- 3600N 4810E (26852) within greywackes and siltstones

Quartze limonite stockworking

Hosted in rhyolite lavas and vitric tuffs (Appendix 3d) in proximity to the Rosebery Fault (26843, 26845, 26856, 26857, 26859, 26862) and 200m east of the fault in similar lithologies of White Spur Formation between 26-32N (26828, 26831, 26850)

082204

Silicified siltstone

Silicified siltstone with disseminated pyrite and veinlets of chalcopyrite (Appendix 3e) occur in the western most outcrop of Cvs at 26N 4925E (26836). This mineralization may be volcanogenic or associated with a splay of the Rosebery Fault. There has been no attempt to define the extent of the mineralization.

Gossans

Limonite and gossan float has been collected at 16N 5275E (26807). 14N 5175E (26810). 40N ("Mg") 4650E (26866).

The source of the gossans is unknown but are probably associated with weathered carbonates.

APPENDIX 1

SAMPLE RECORD AND ANALYTICAL DATA SHEETS

082203

ROGER POLTOCK GEOLOGICAL PTY. LTD.

CLIENT RGC

SAMPLE RECORD AND ANALYTICAL DATA SHEET

COLLECTED BY: R. Poltock

PROJECT

LABORATORY

DATE DISPATCHED:

PROSPECT Dingo Creek

SAMPLE TYPE Rock

DATE RECEIVED:

A 28305

SAMPLE NUMBER	LOCATION		DESCRIPTION	ANALYSES
26E01	16E N	472 E	Prospect trench pit phyllite + carbonate vein white chlorite fine alteration - oxide	
26E02	16E N	470 E	As above mainly fresh rock	
26E03	16E N	425 E	Phyllite/schist - carbonate vein	
26E04	16E N	397 E	Conglomerate - carbonate rich	
26E05	16E N	500 SOUTH	Graphitic siltstone and minor quartz	
26E06	11E N	500 SOUTH	Tuffaceous wacke/siltstone/chert	
26E07	11E N	507 E	Gossan (ASSAYED) + quartz pyrite grit + brecciated chert	
26E08	16E N	542 E	Crystal tuff + brecciated and silicified rock with carbonate veins (ASSAYED)	
26E09	14E N	561 E	Vitric tuff laminated	
26E10	14E N	561 E	Gossan - float	
26E11	14E N	573 E	Quartz black sandstone + fine cherty alteration	
26E12	14E N	586 E	Conglomerate/breccia silicified pyrite	
26E13	14E N	478 E	Sandstone - pyritic carbonate rich	
26E14	14E N	497 E	Carbonate laminated rock-grey + silicified pyritic breccia + quartz veins or vice versa	
26E15	15E N	500 E	Conglomerate matrix supported pebbles carbonate rich	

082206

ROGER POLTOCK GEOLOGICAL PTY. LTD.

CLIENT RGC

PROJECT

PROSPECT Dundas

SAMPLE RECORD AND ANALYTICAL DATA SHEET

LABORATORY

SAMPLE TYPE Rock

COLLECTED BY: R Poltock

DATE DISPATCHED:

DATE RECEIVED:

A 28306

SAMPLE NUMBER	LOCATION		DESCRIPTION	ANALYSES
26E16	15E0N	SOUTH	Chert + lithic arenite ± pyrite	
26E17	17E0N	SOUTH	Carbonate fine grained - chert - silicified + quartz pyrite veins	
26E18	15E5N	SOUTH	Carbonate fine grained + carbonate veins	
26E19	18E0N	SOUTH	Chert/siltstone breccia	
26E20	ESTAMPED		Fine - med grn Ash	
26E21	12E0N	SOUTH	Silicified laminated + Calc-siltstone graded bed (chert)	
26E22	22E0N	SOUTH	Recrystallised + carbonate altered jasper	
26E23	23E0N	SOUTH	Siltstone black laminated pyrite + silt sediment breccia	
26E24	24E0N	SOUTH	Greywacke fine grained siliceous	
26E25	24E0N	SOUTH	Carbonate grey, clasts <25mm subrounded carbonate and felsic volcanic + sedimentary felsic tuff	
26E26	24E0N	SOUTH	Greywacke/grit, carbonate grey and crystal tuff component	
26E27	24E0N	SOUTH	Lithic greywacke + vitric tuff (chert)	
26E28	24E0N	SOUTH	Fine felsic crystal tuff with limonite stained	
26E29	24E0N	SOUTH	Vitric tuff with breccia veins (chert or Fine grained ash)	

082201

ROGER POLTOCK GEOLOGICAL PTY. LTD.

CLIENT RGC

SAMPLE RECORD AND ANALYTICAL DATA SHEET

COLLECTED BY: R Poltock

PROJECT

LABORATORY

DATE DISPATCHED:

PROSPECT DUNDAS / MONTEZUMA LEASES

SAMPLE TYPE Rock

DATE RECEIVED:

A 26208

SAMPLE NUMBER	LOCATION		DESCRIPTION	ANALYSES
26830	2200N	5425E	Fine tuffaceous greywacke/phyllite	
26831	2200N	5300E	Qtz crystal tuff with vitric groundmass - brecciated and stockworked.	
26832	2200N	5150E	Crystal lithic in greywacke matrix	
26833	2200N	5010E	Chert/siltstone black - abundant quartz carbonate veinlets	
26834	2400N	4665E	Prospect trench - carbonate altered basic? volcanic or intrusive	
26835	2600N	4612E	Altered gabbro/chloritite?	
26836	2600N	4930E	Tuffaceous greywacke with pyrite blebs, dark grey cherty siltstone (silicified) with disseminated and ccp veinlets (ASSAYED)	
26837	2600N	5000E	Felsic volcanic breccia < sericitized, vitric tuff with chloritized glass frags < 2mm	
26838	2600N	5215E	Qtz felds crystal tuff with chlorite veins	
26839	3000N	4425E	Mine dump - phyllite with qtz carb veins	
26840	STANDARD		FMC .23	
26841	3600N	4980E	Basalt with chloritized amygdales	
26842	3200N	4835E	Greywacke and grey limestone - brecciated	
26843	3112-3100N	5000E	Felsic lava/vitric tuff sericitized + grit and fine conglomerate.	

0820 8

ROGER POLTOCK GEOLOGICAL PTY. LTD.

CLIENT RGC

PROJECT

PROSPECT DUNDAS

SAMPLE RECORD AND ANALYTICAL DATA SHEET

LABORATORY

SAMPLE TYPE Rock

COLLECTED BY: R Poltock

DATE DISPATCHED:

DATE RECEIVED:

A 28308

SAMPLE NUMBER	LOCATION		DESCRIPTION	ANALYSES
26844	3112-3140N	5000E	Fuchsite carbonate, ultra flow	
26845	3360N	5000E	Vitric tff/chert, brecciated felsic volcanic - sericite chl altn and qtz stockwork	
26846	3225N	5000E	Felsic vitric tff or lava with scattered sericitized lithics/phenos ≤2mm	
26847	3235N	5000E	Shaly/f'd tuffac greywacke and laminated silty sandstone	
26848	3262N	5000E	Dolomite?, fine grained, massive, cream	
26849	3200N	5050E	Felsic crystal lithic tff	
26850	3200N	5220E	Vitric and crystal tff with qtz chl stockwork	
26851	3800N	4615E	Greywacke cream-pink, < chloritic, < hornfelsed	
26852	3600N	4810E	Fuchsite carbonate altered breccia	
26853	3600N	4970E	Felsic crystal lithic tff - mass flow sericite carbonate altered	
26854	3600N	5080E	Brecciated fem carbonate	
26855	3600N	5085E	Fuchsite carbonate altration	
26856	3600N	5235E	Vitric tff brecciated - qtz stockwork	
26857	3400N	5100E	" " and volcanic breccia	
26858	3400N	4950E	Dolomite? recrystallized	

082209

ROGER POLTOCK GEOLOGICAL PTY. LTD.

CLIENT RGC

SAMPLE RECORD AND ANALYTICAL DATA SHEET

COLLECTED BY: R Poltock

PROJECT

LABORATORY

DATE DISPATCHED:

PROSPECT DUNDAS / MONTEZUMA CRAS SAMPLE TYPE Rock

DATE RECEIVED:

A 2606

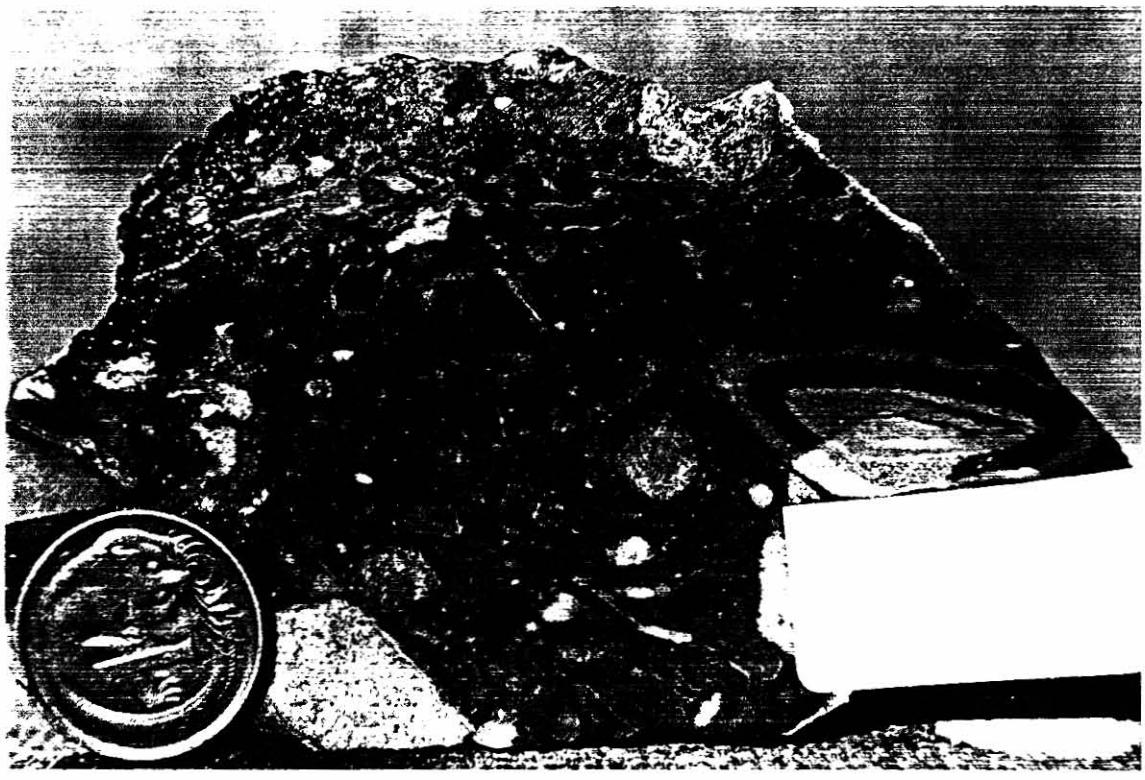
SAMPLE NUMBER	LOCATION		DESCRIPTION	ANALYSES								
26859	4000N	4250E	Felsic volcanic - hydrothermal breccia + qtz ~~lem~~ veining									
26860	STANDARD		Bt 0.25 gt									
26861	4000N	5130E	Crystal lithic tuff/wacke, sheared + several phases of quartz veining									
26862	3820N	5235E	Rhyolite lava? + qtz ~~lem~~ stockwork									
26863	3850N	4290E	Fuchsite carbonate alteration - conglomerate									
26864	4200N	4900E	Polymict conglomerate									
26865	4000N	4715E	Qtz-ser phyllite + chloritized									
26866	4100N	4650E	Limonite with phyllite after frags									
26867	4000N	4600E	Phyllite/schist - cream sericitized with chlorite after veinlets									
26868	2175N	4775E	Brecciated calcareous greywacke with galena sphalerite pyrite veinlets									
26869	4150N	5300E	Vitric tuff and siltstone dolomite interbeds									

082210

APPENDIX 2

PHOTOGRAPHS OF LITHOTYPES

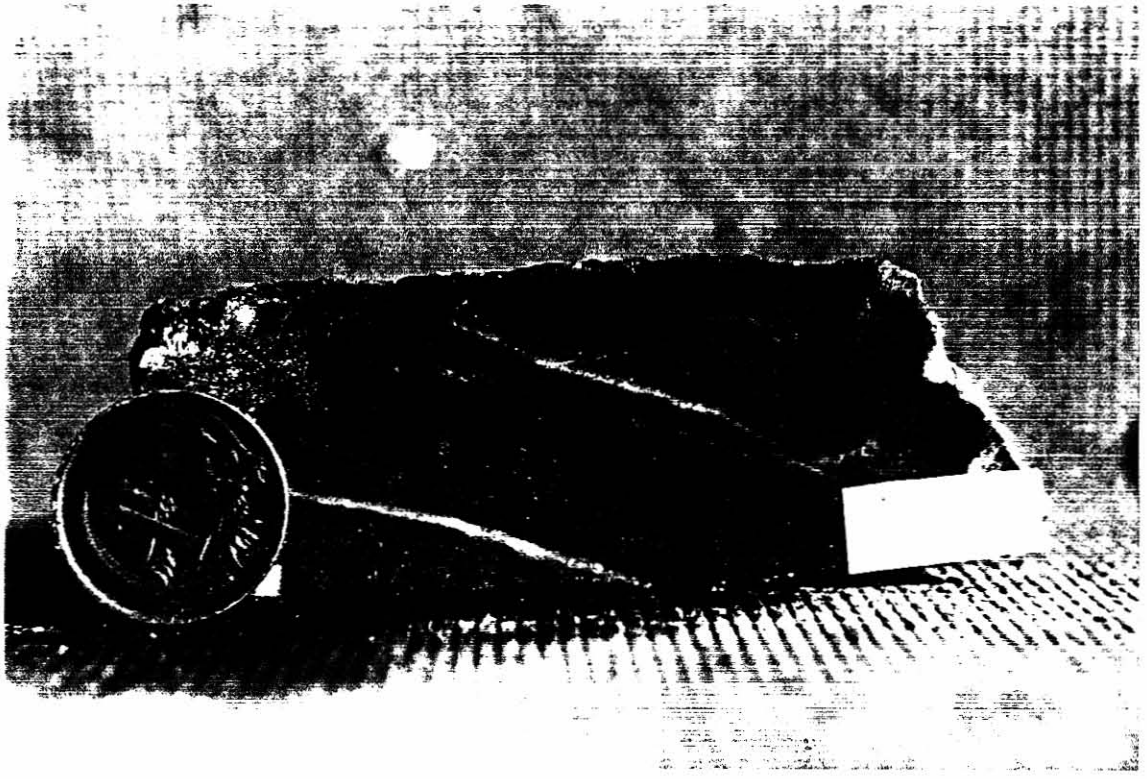
0S221t



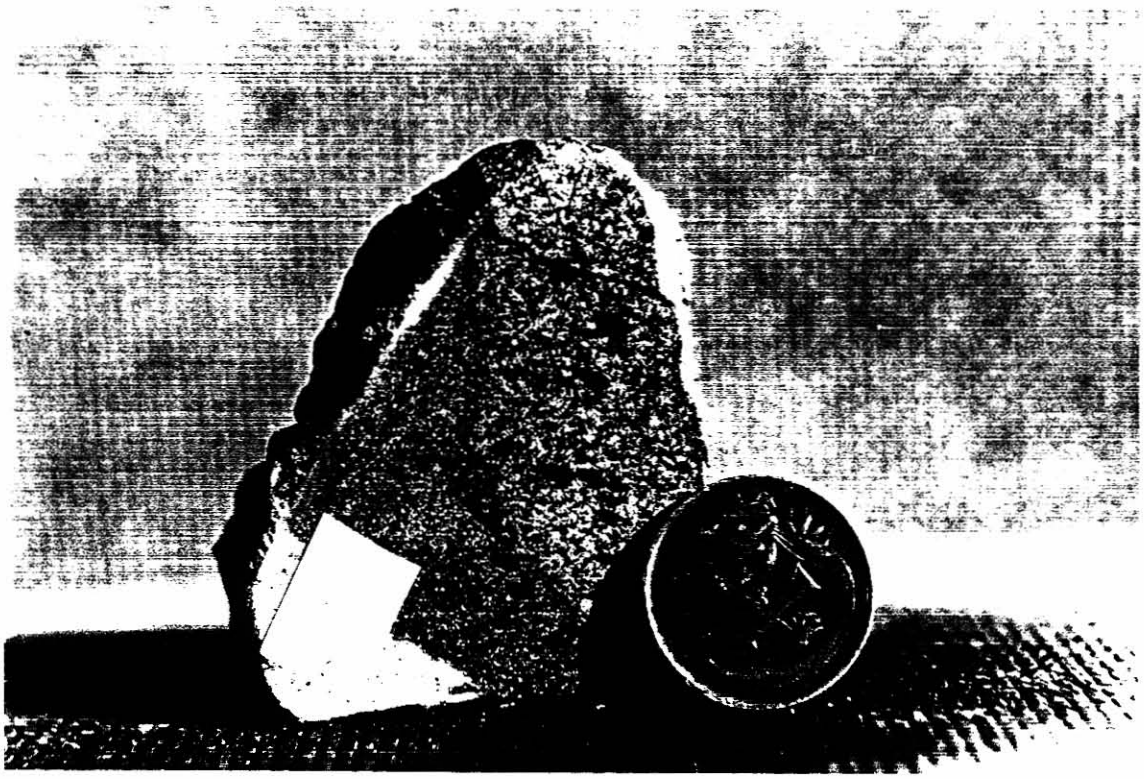
2a:



2b:

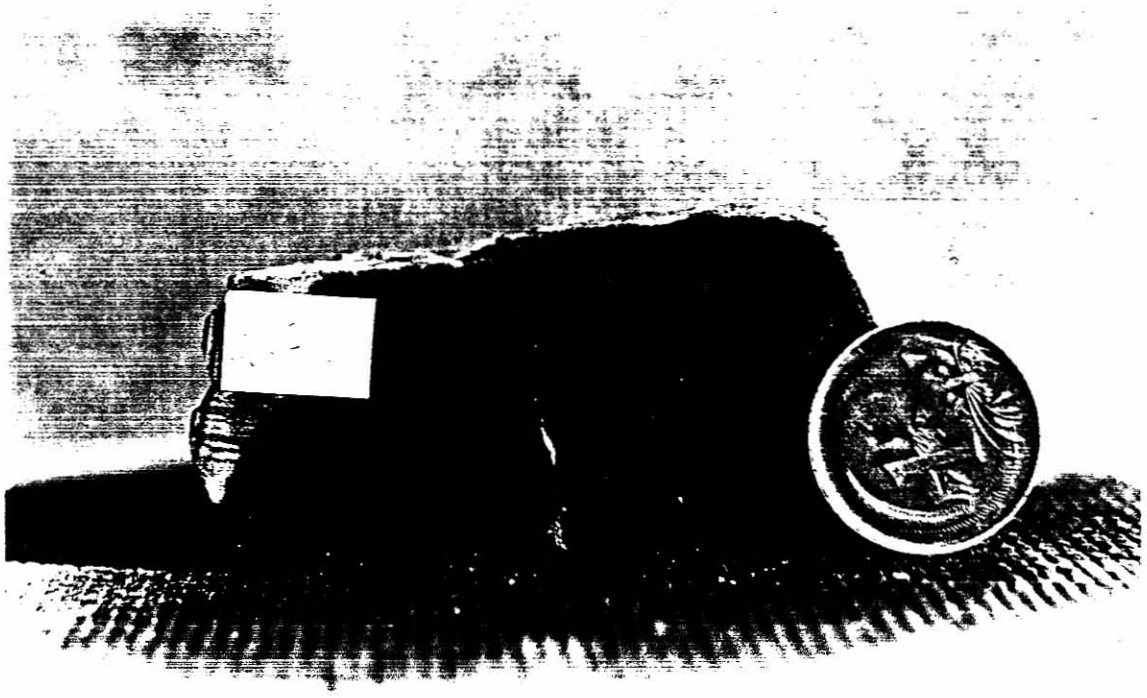



2522



2e:

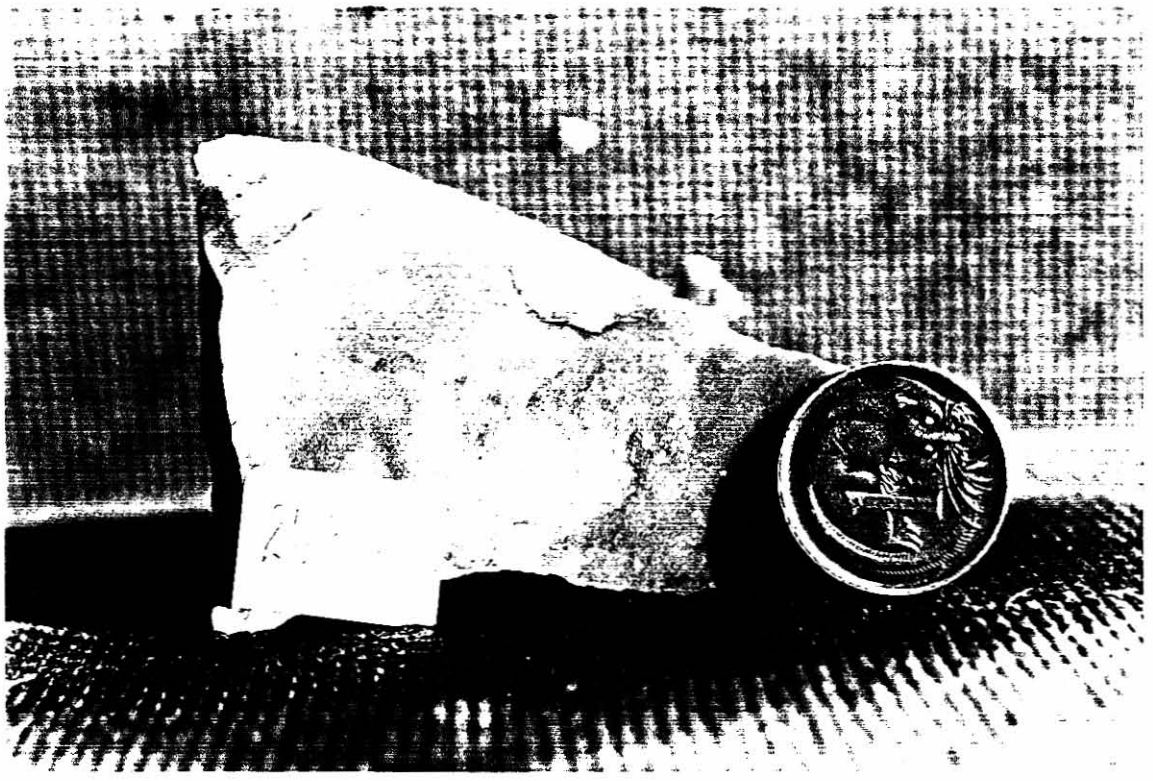




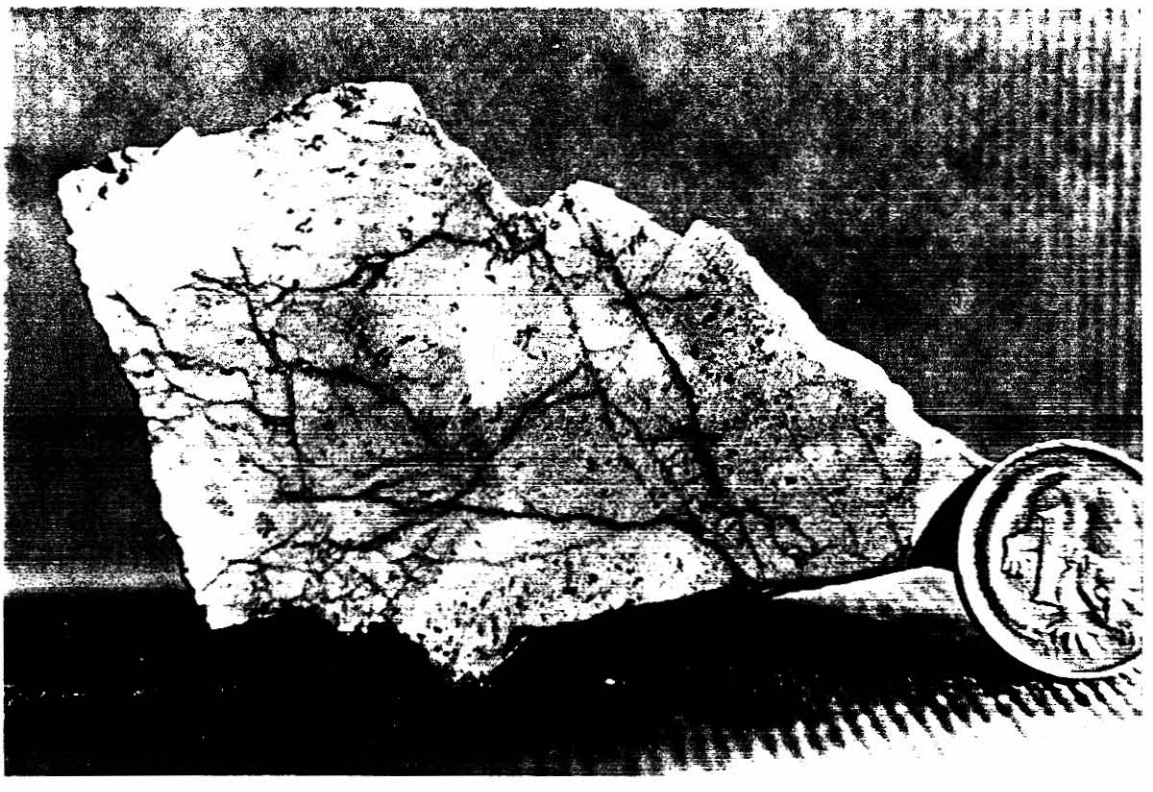
2a:



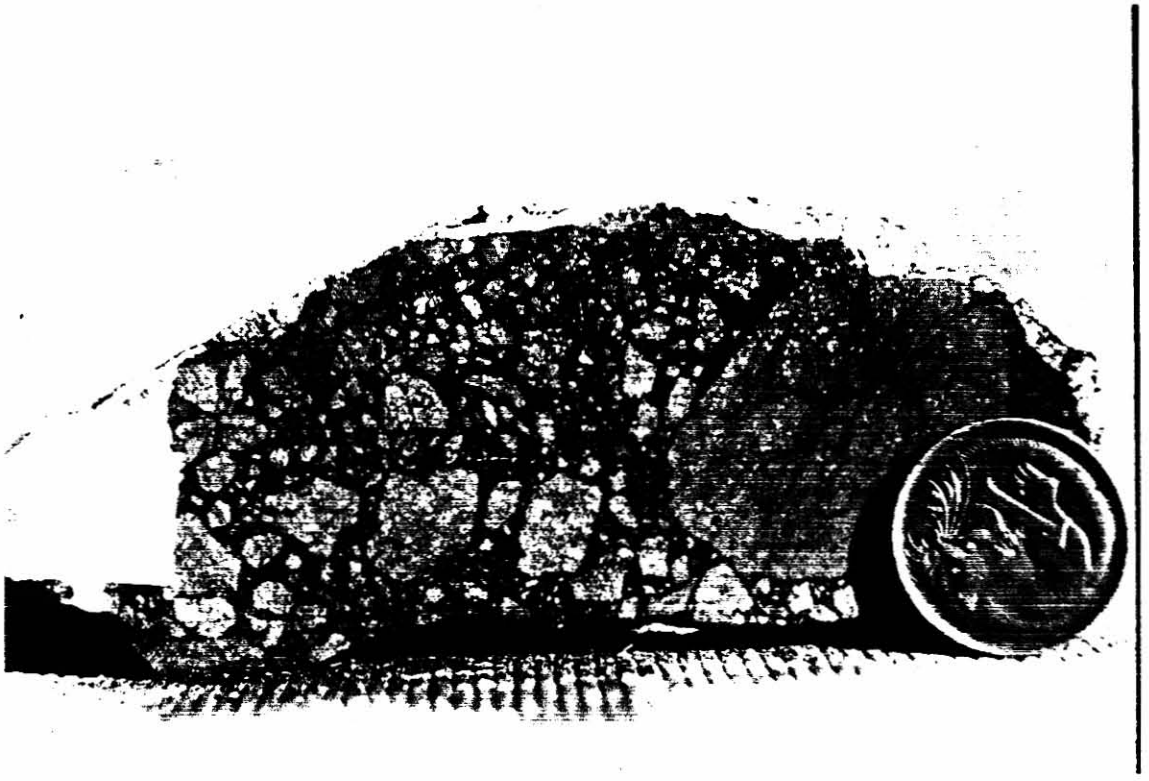
2b:



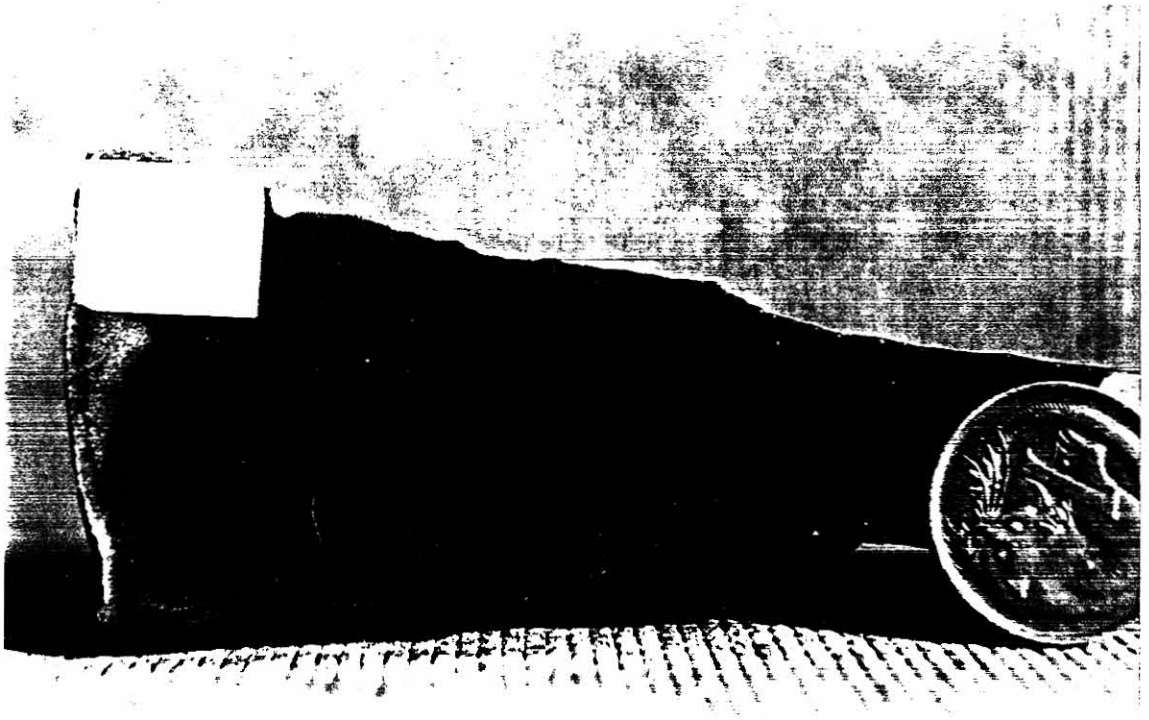
21: [illegible] [illegible] GOLDSMITH.



21:



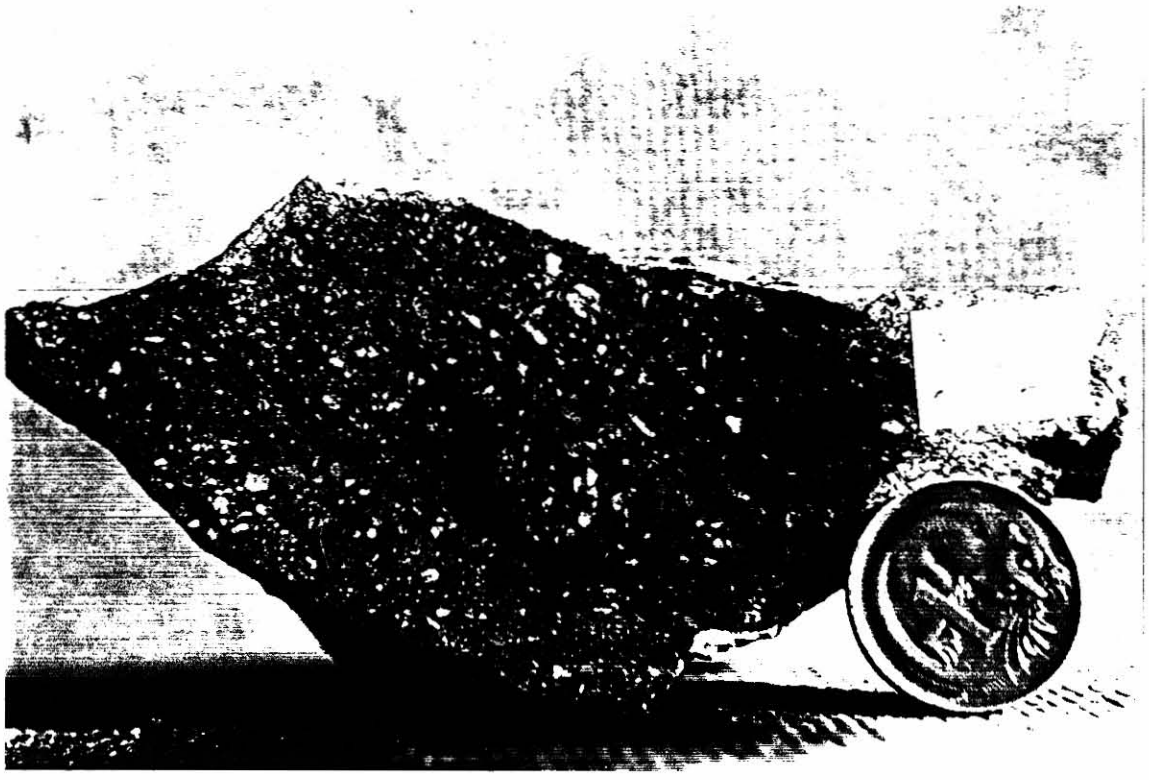
2k:



21:



2m:

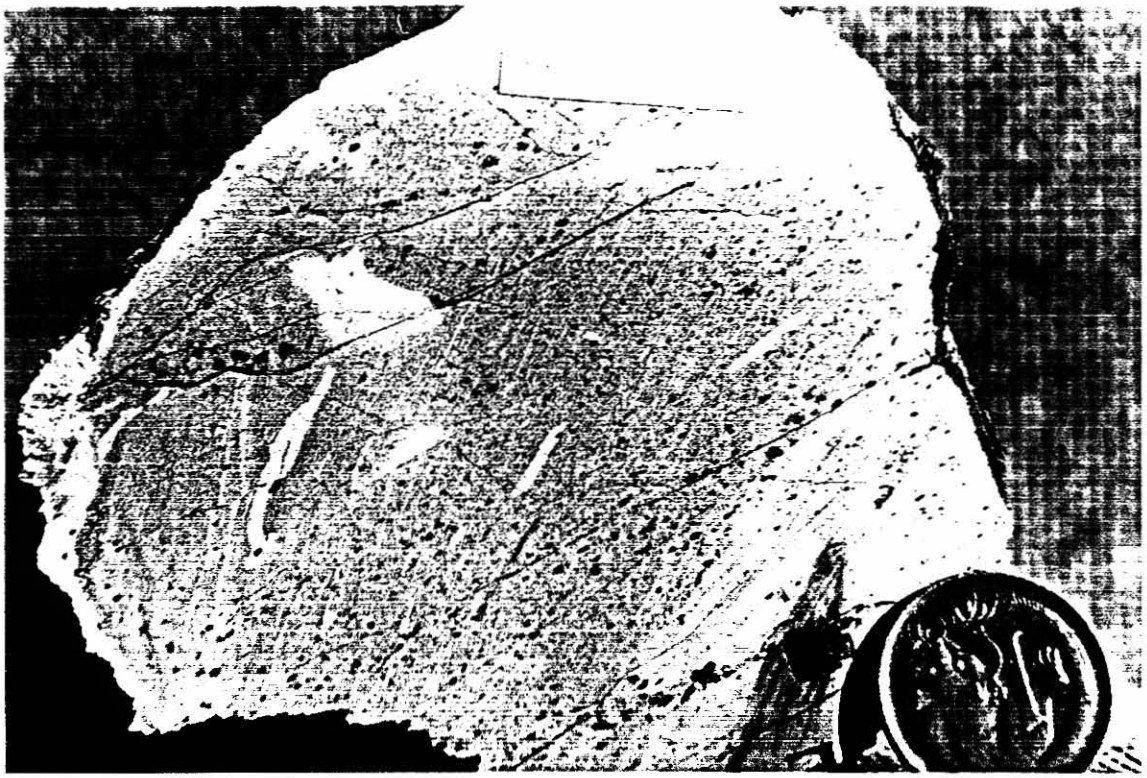


2m:

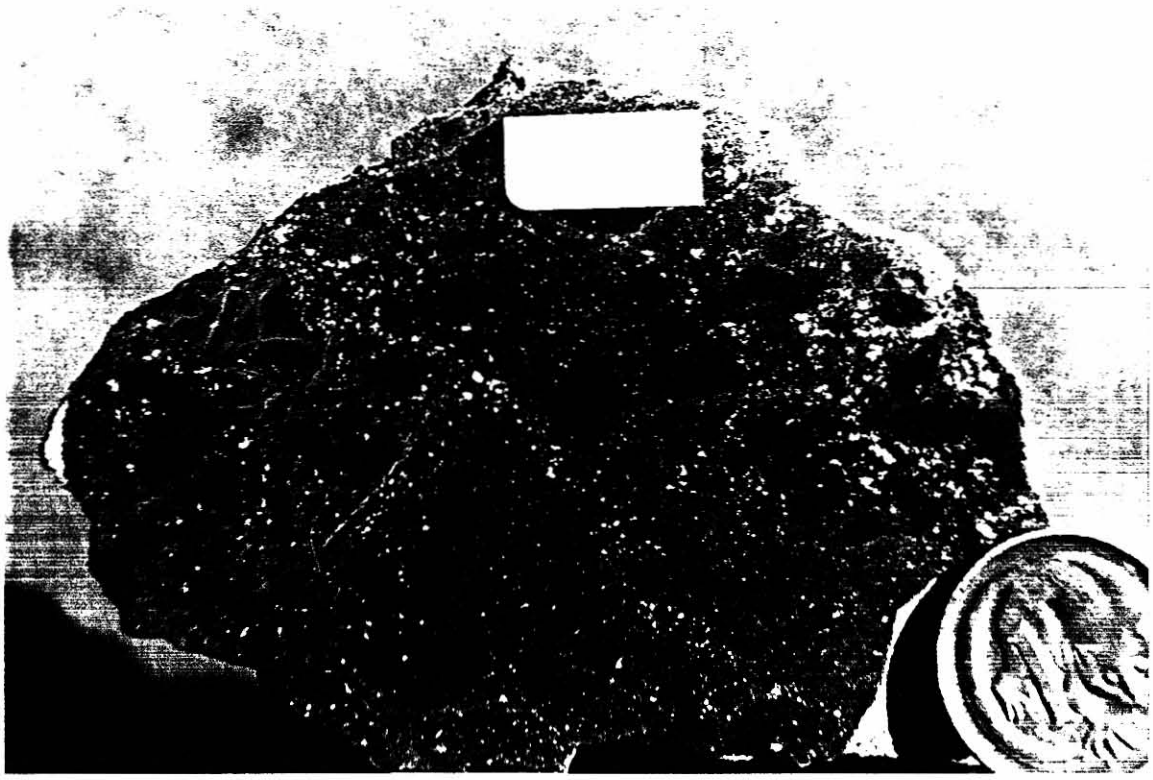
APPENDIX 3

PHOTOGRAPHS OF MINERALIZATION AND ALTERATION STYLES

082219

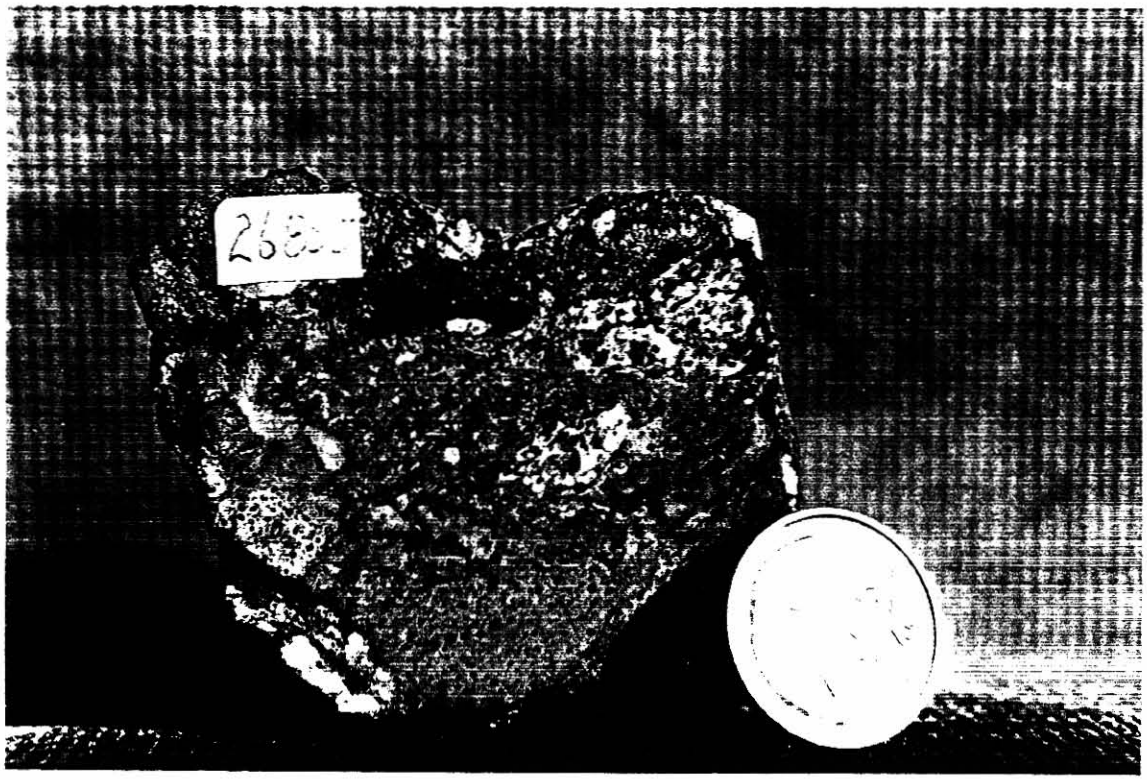


3a: [illegible]

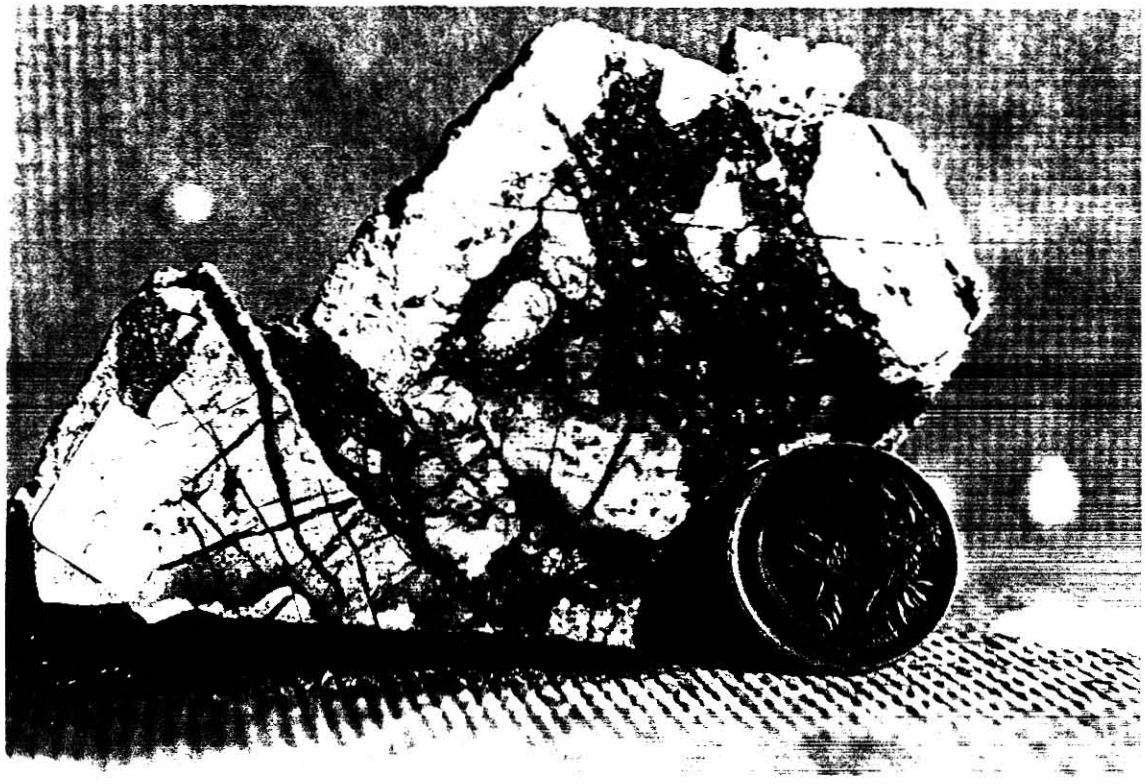


3b:

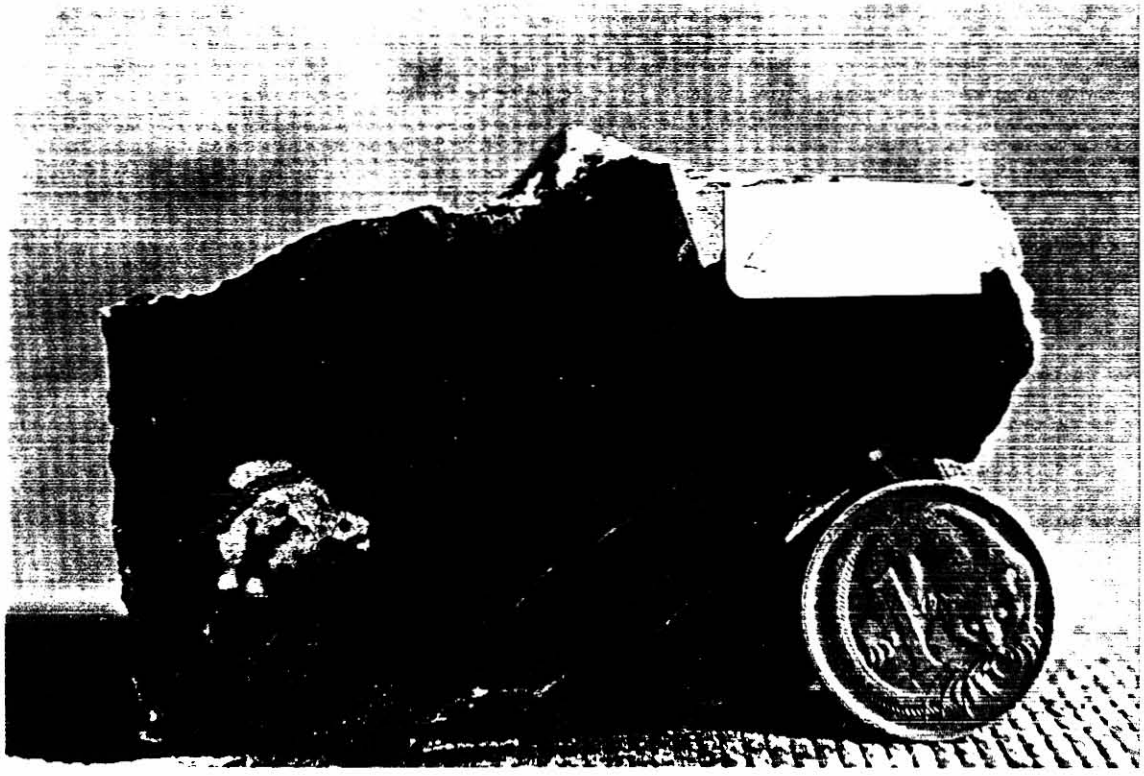
ROGER POLTOCK
GEOLOGICAL PTY LTD



3c:



3d:

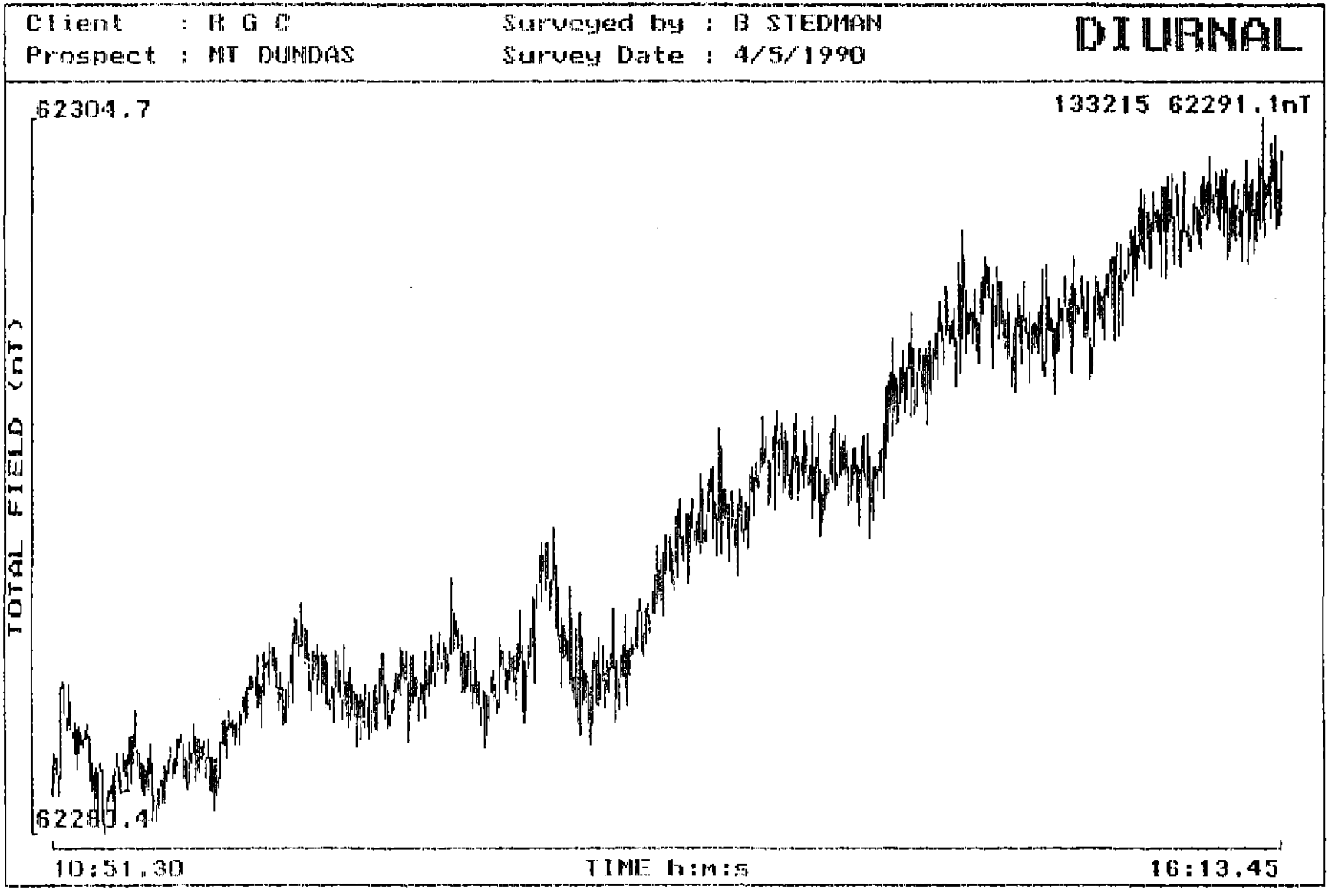


3e: [illegible] dissemineted pyrite [illegible]

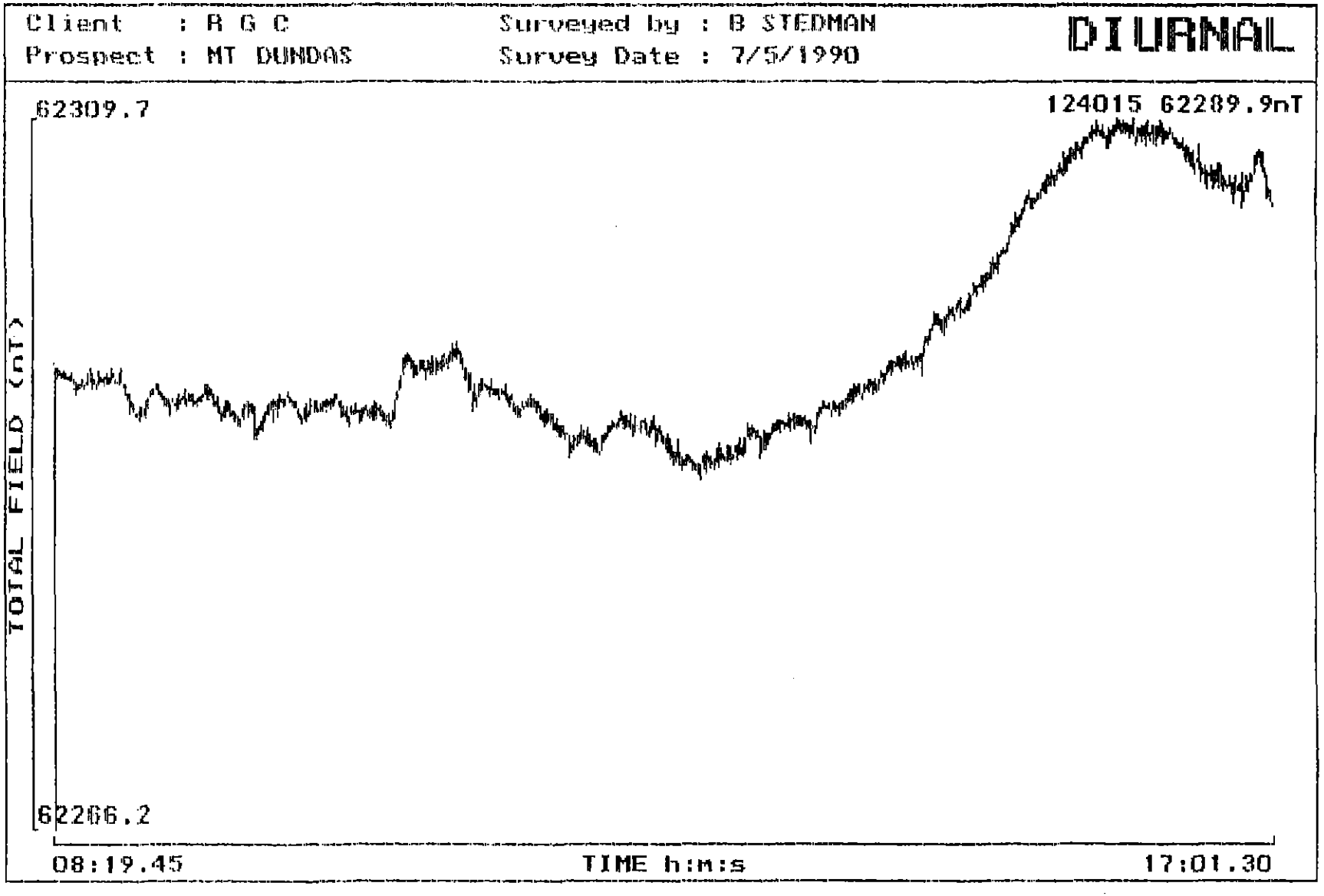
082223

APPENDIX II

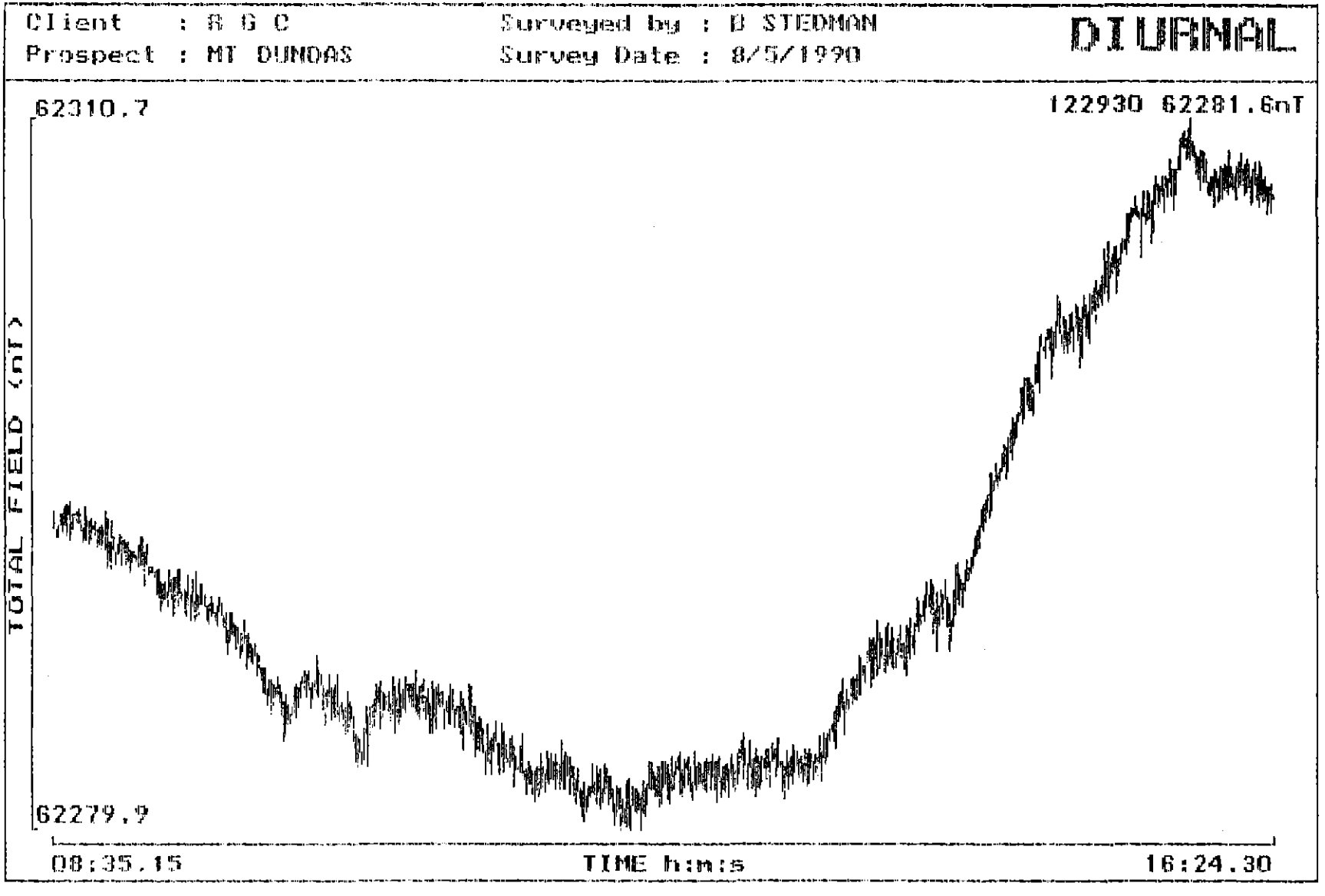
Mt. Dundas Ground Magnetics


Client : R G C
Prospect : MT DUNDAS
Surveyed by : B STEDMAN
Survey Date : 4/5/1990
DIURNAL
62304.7
133215 62291.1nT
TOTAL FIELD (nT)
62280.4
10:51.30
TIME h:m:s
16:13.45

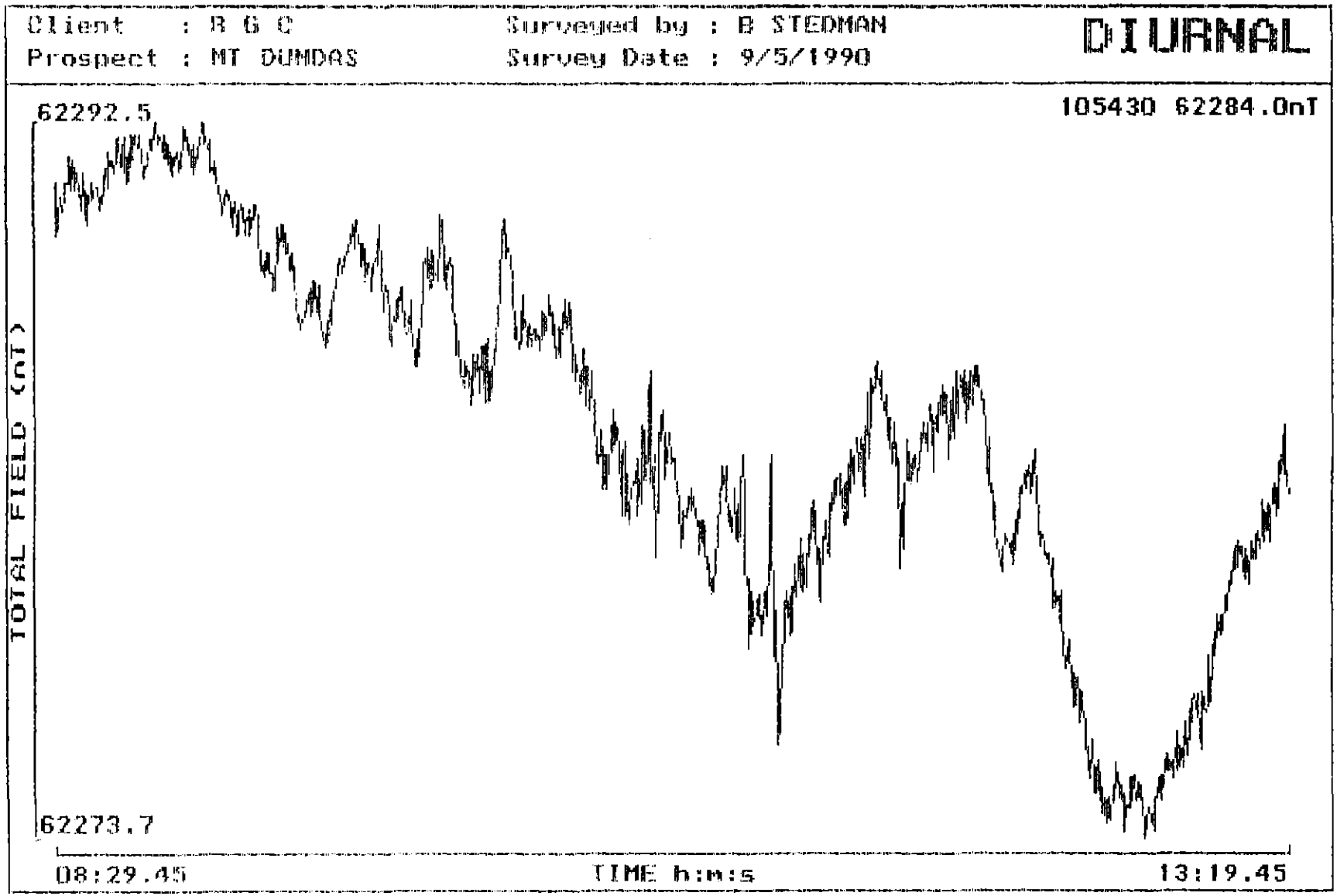
082224


Client : B G C
Prospect : MT DUNDAS
Surveyed by : B STEDMAN
Survey Date : 7/5/1990
DIURNAL
62309.7
124015 62289.9nT
TOTAL FIELD (nT)
62266.2
08:19.45
TIME h:m:s
17:01.30

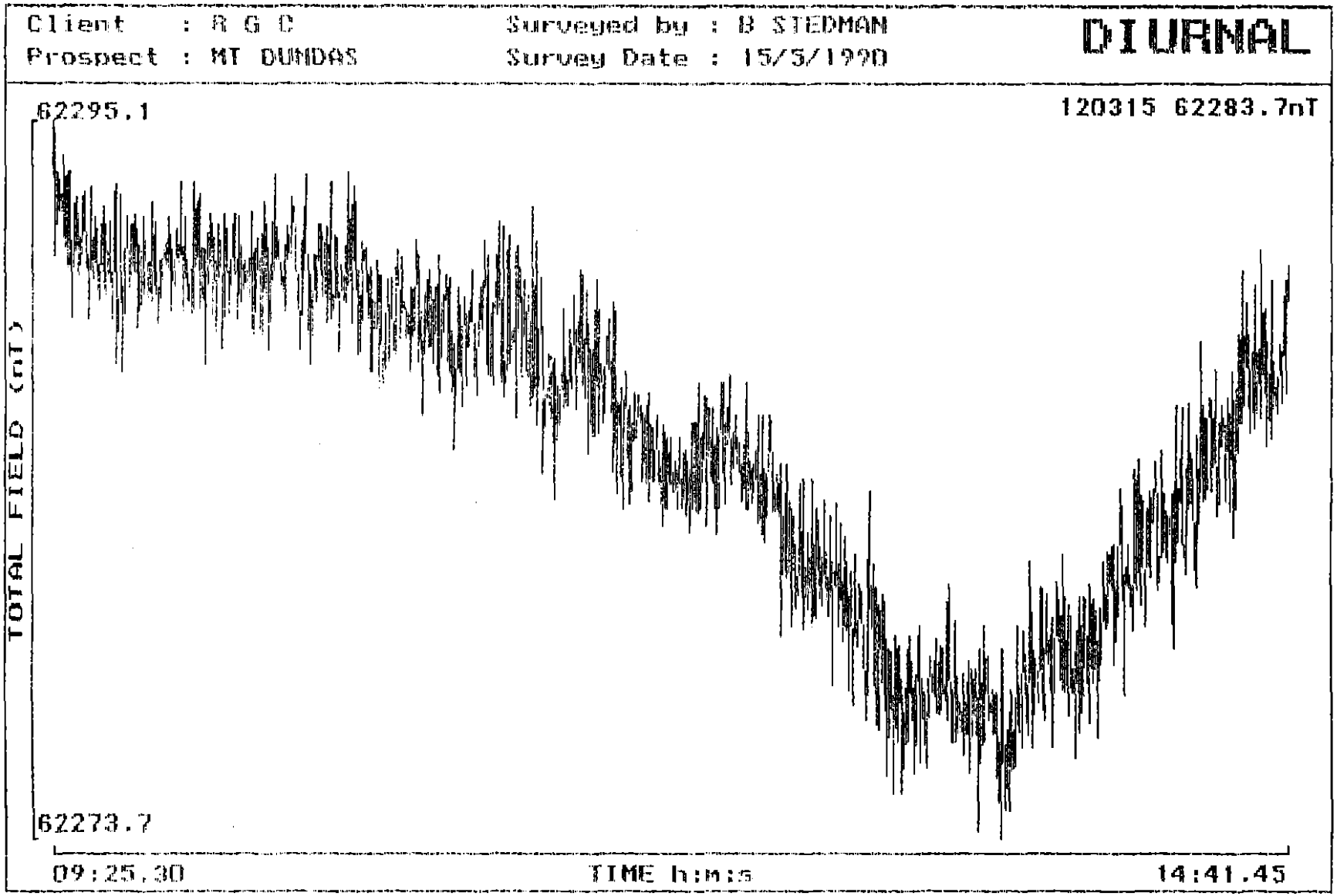
082253


Client : B G C
Prospect : MT DUNDAS
Surveyed by : D STEDMAN
Survey Date : 8/5/1990
DIURNAL
62310.7
122930 62281.6nT
TOTAL FIELD (nT)
62279.9
08:35.15
TIME h:m:s
16:24.30

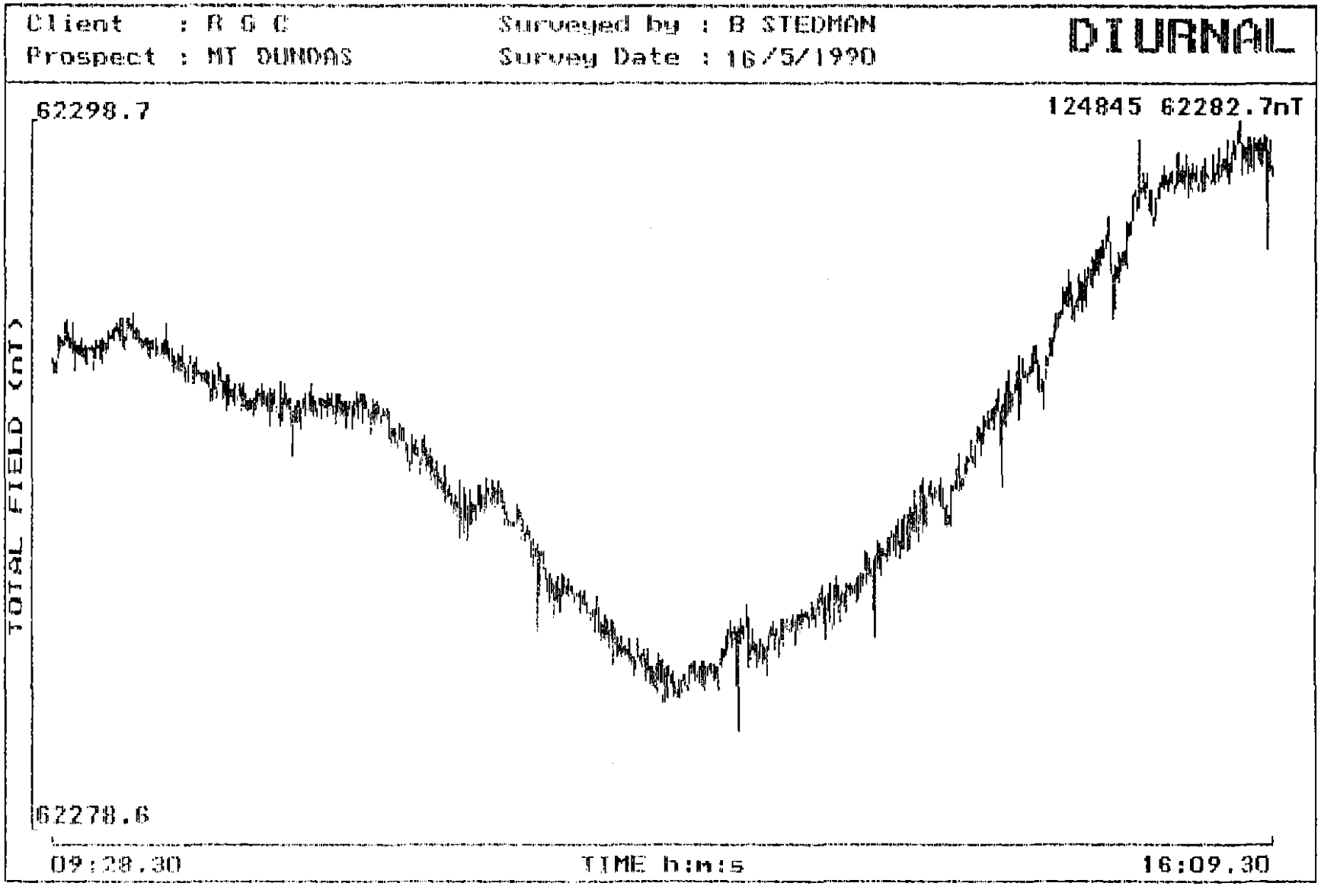
0822226


Client : B G C
Prospect : MT DUNDAS
Surveyed by : B STEDMAN
Survey Date : 9/5/1990
DIURNAL
62292.5
105430 62284.0nT
TOTAL FIELD (nT)
62273.7
08:29.45
TIME h:m:s
13:19.45

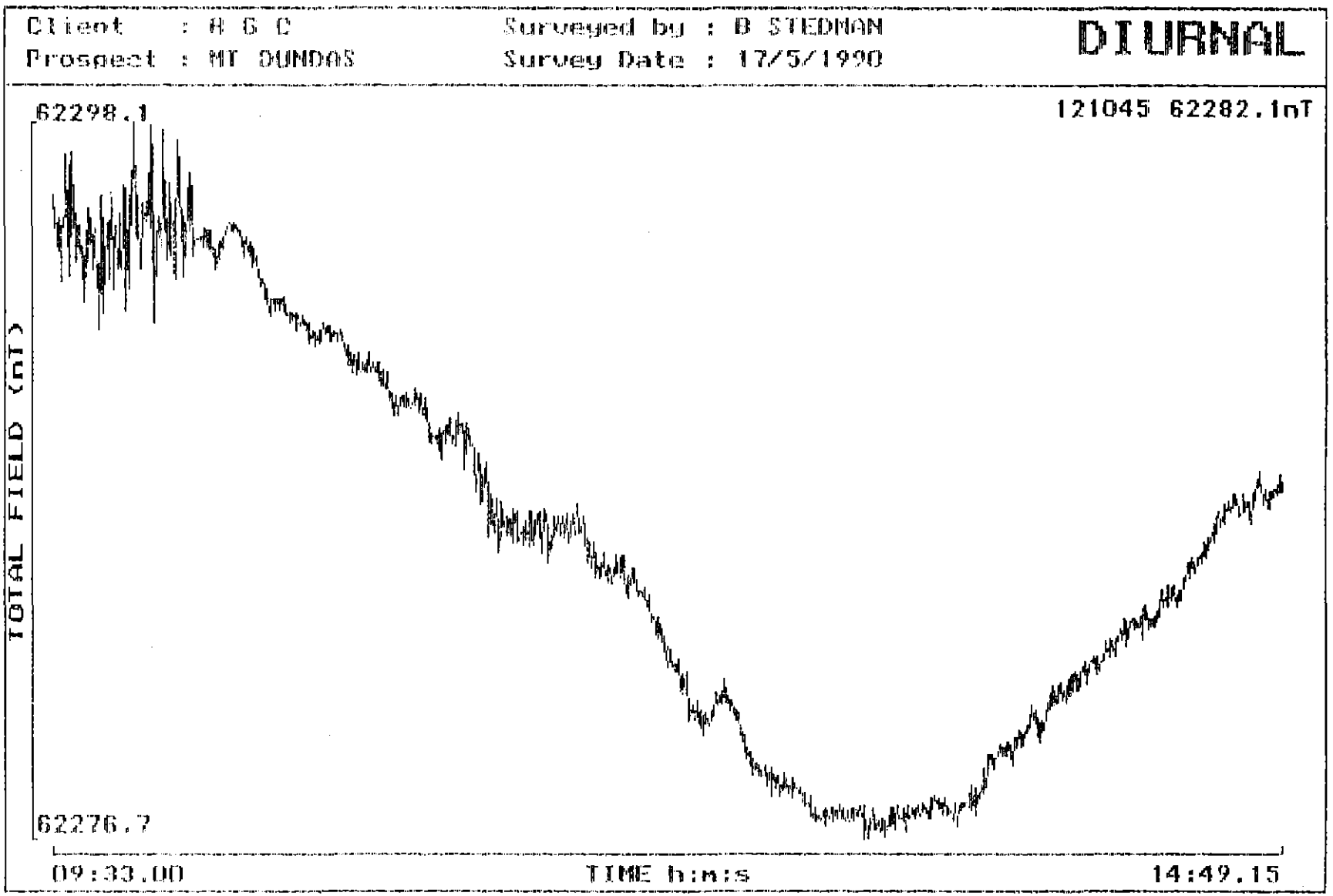
082227


Client : R G C
Prospect : MT DUNDAS
Surveyed by : B STEDMAN
Survey Date : 15/5/1990
DIURNAL
62295.1
120315 62283.7nT
TOTAL FIELD (nT)
62273.7
09:25.30
TIME h:m:s
14:41.45

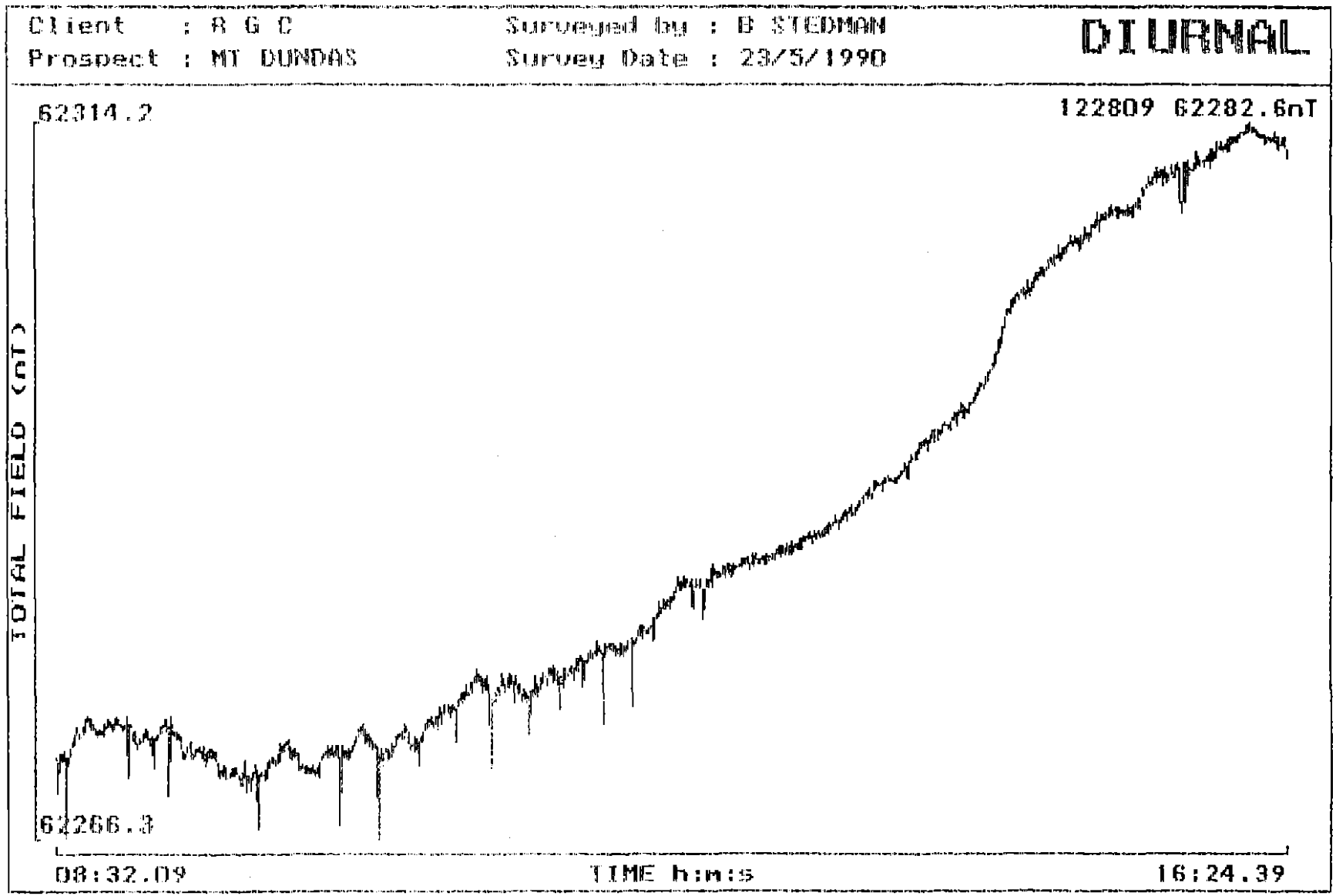
082228


Client : R G C
Prospect : MT DUNDAS
Surveyed by : B STEDMAN
Survey Date : 16/5/1990
DIURNAL
62298.7
124845 62282.7nT
TOTAL FIELD (nT)
62278.6
09:28.30
TIME h:m:s
16:09.30

622280


Client : A G C
Prospect : MT DUNDAS
Surveyed by : B STEDMAN
Survey Date : 17/5/1990
DIURNAL
62298.1
121045 62282.1nT
TOTAL FIELD (nT)
62276.7
09:33.00
TIME h:m:s
14:49.15

082230

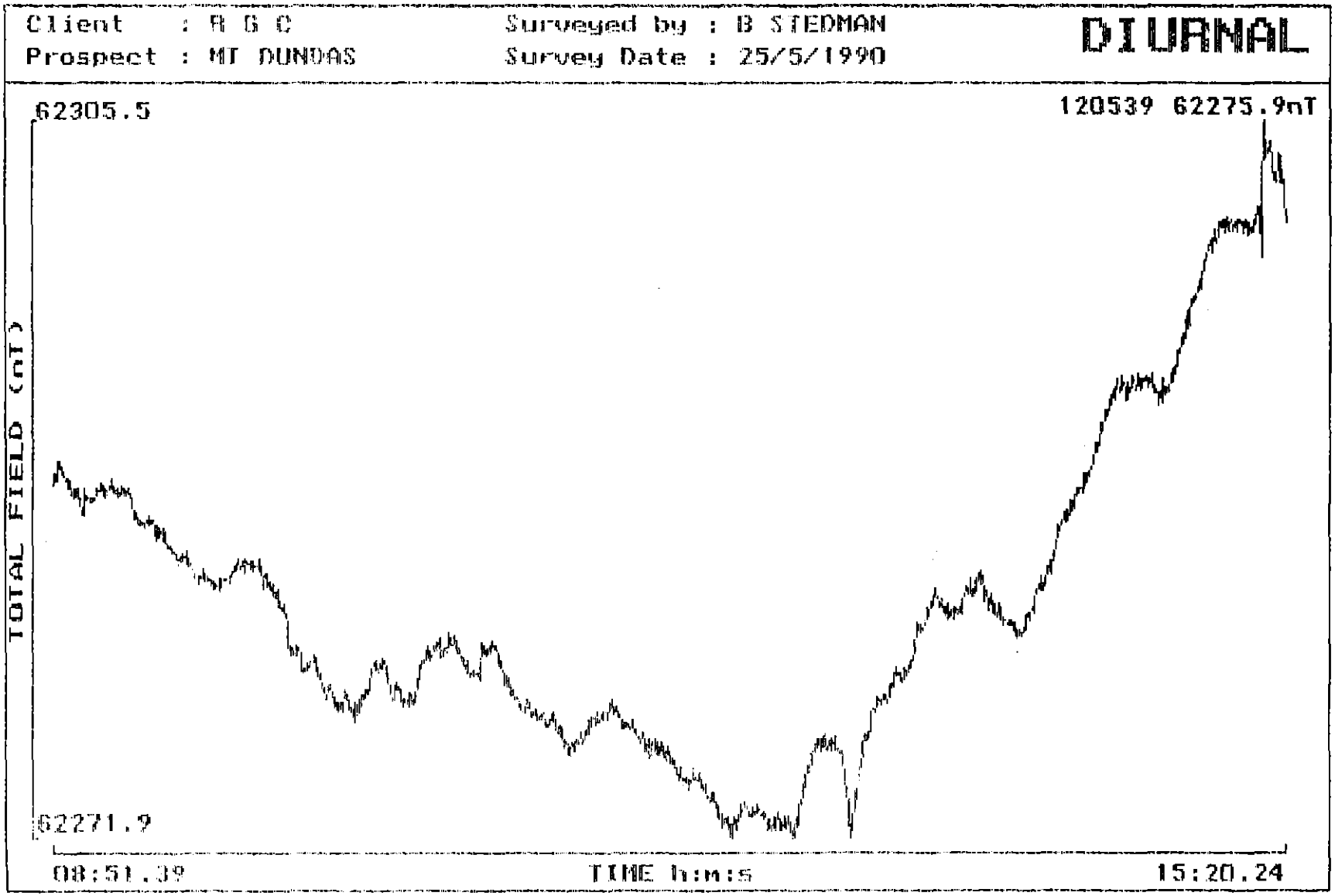

Client : B G C
Prospect : MT DUNDAS
Surveyed by : B STEDMAN
Survey Date : 23/5/1990
DIURNAL
62314.2
122809 62282.6nT
TOTAL FIELD (nT)
62266.3
08:32.09
TIME h:m:s
16:24.39

T22280

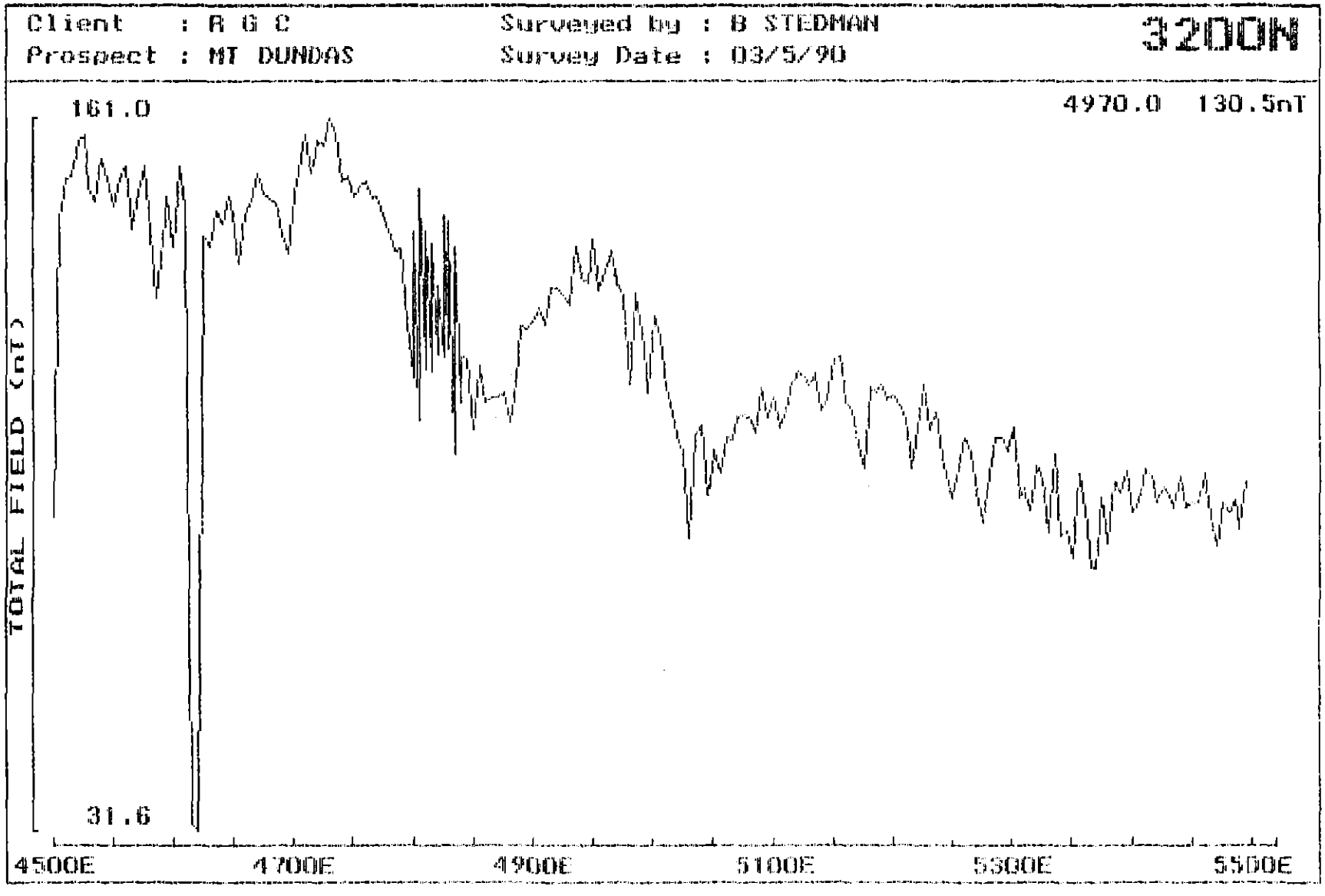
Client : R G C
Prospect : MT DUNDAS

Surveyed by : B STEDMAN
Survey Date : 25/5/1990

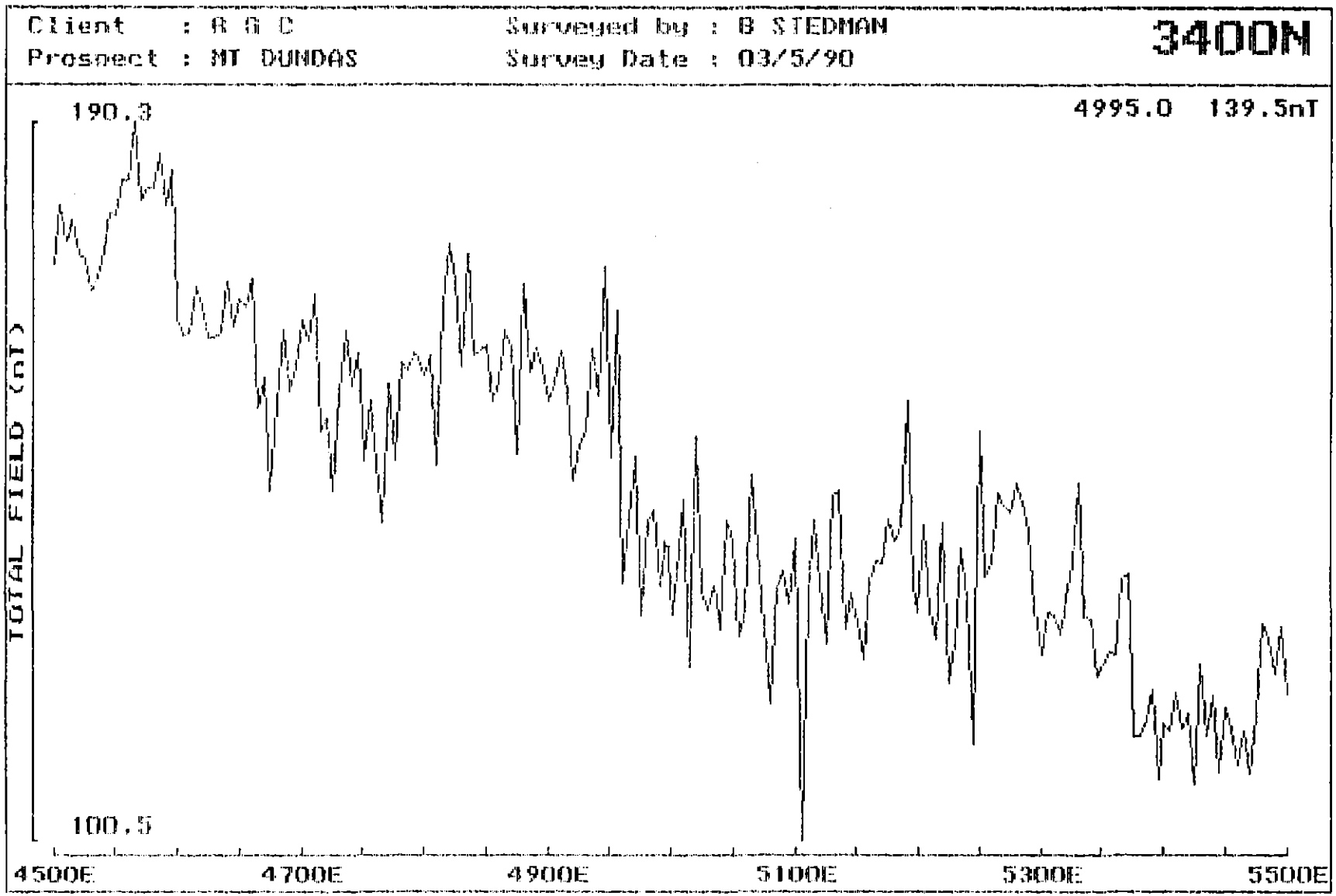
DIURNAL



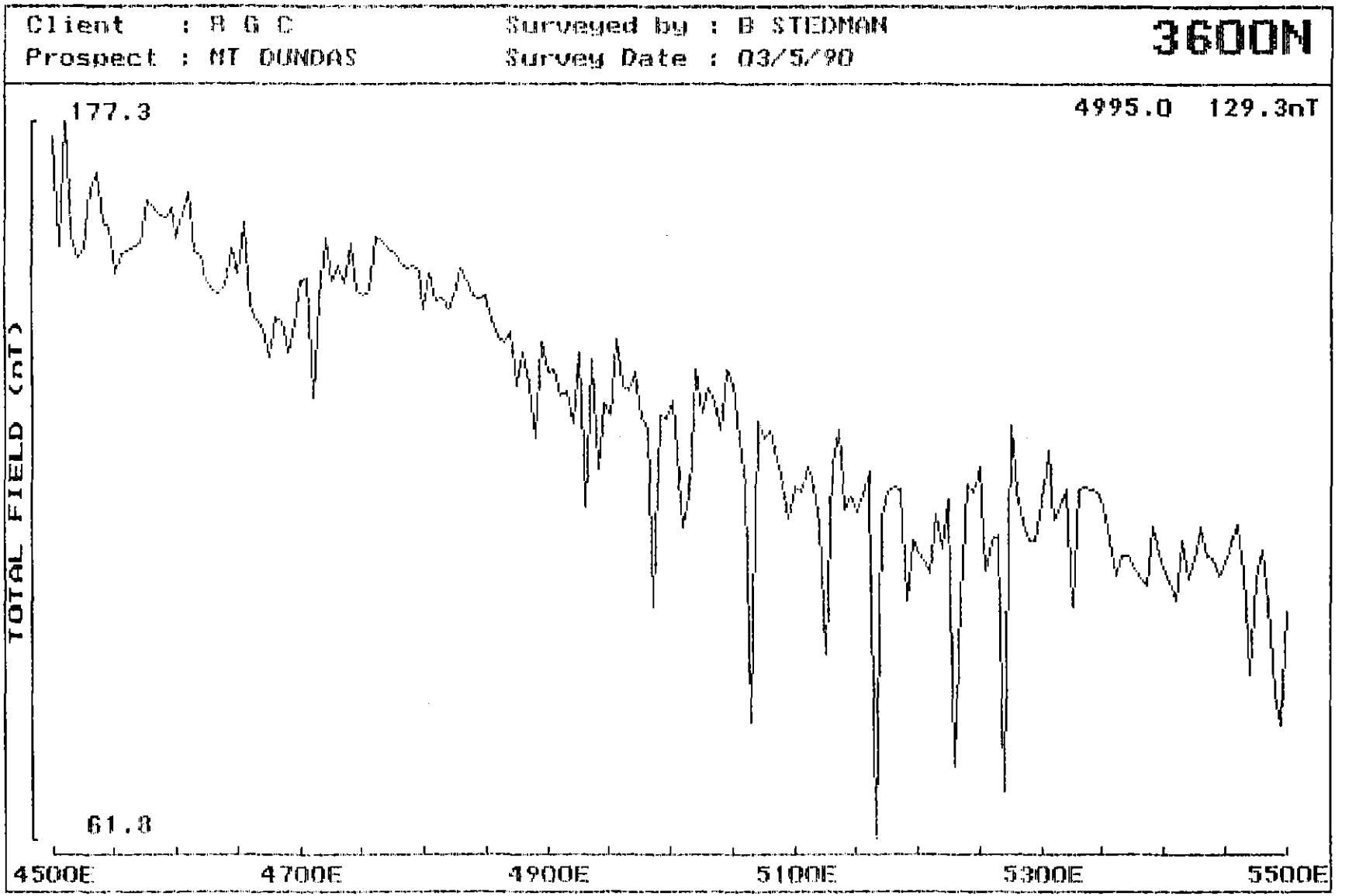
08223232


Client : R G C
Prospect : MT DUNDAS
Surveyed by : B STEDMAN
Survey Date : 03/5/90
3200N
161.0
4970.0 130.5nT
TOTAL FIELD (nT)
31.6
4500E
4700E
4900E
5100E
5300E
5500E

082233


Client : R G C
Prospect : MT DUNDAS
Surveyed by : B STEDMAN
Survey Date : 03/5/90
3400N
190.3
4995.0 139.5nT
TOTAL FIELD (nT)
100.5
4500E
4700E
4900E
5100E
5300E
5500E

082234

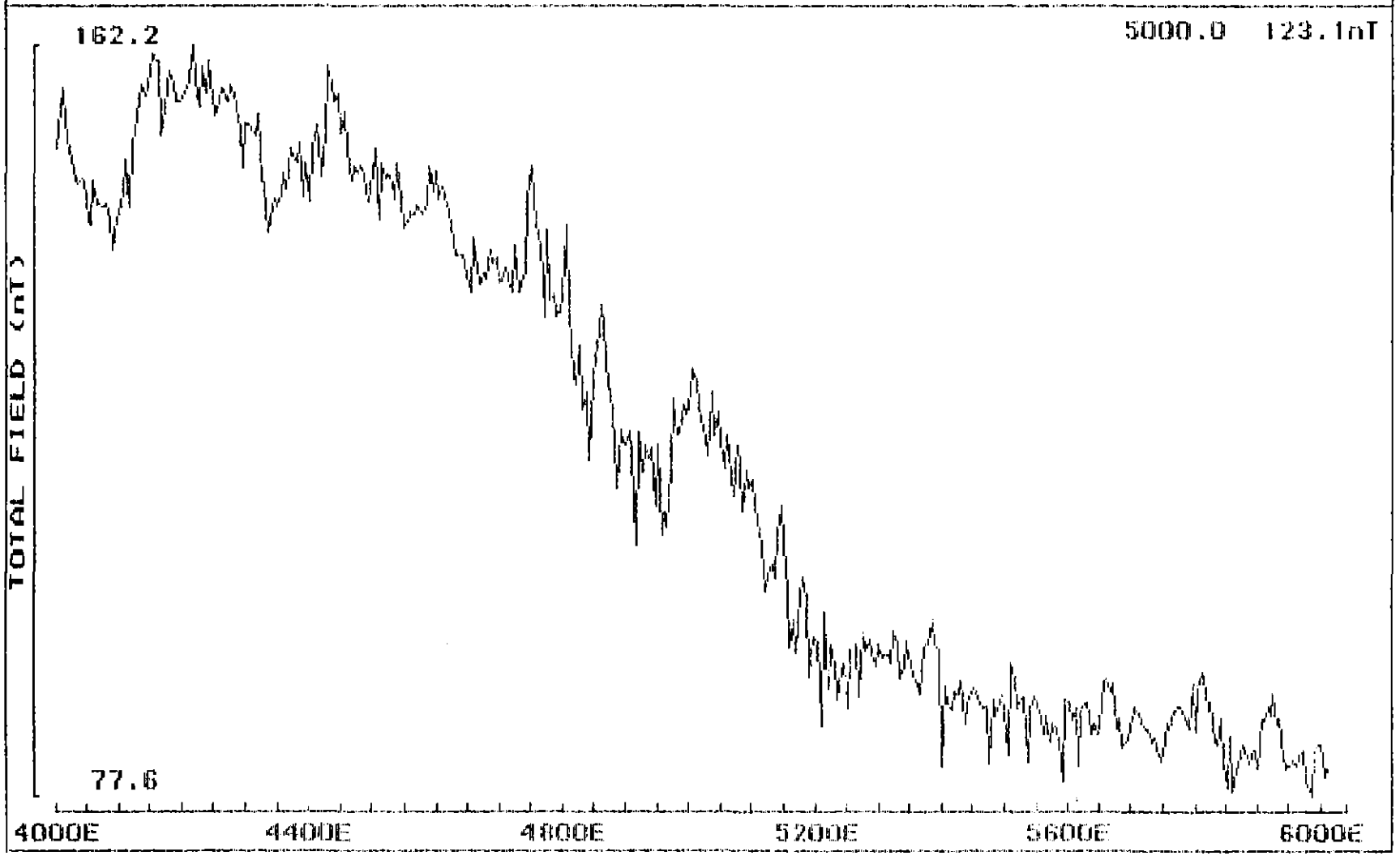

Client : B G C
Prospect : MT DUNDAS
Surveyed by : B STEDMAN
Survey Date : 03/5/90
3600N
177.3
4995.0 129.3nT
TOTAL FIELD (nT)
61.8
4500E
4700E
4900E
5100E
5300E
5500E

082235

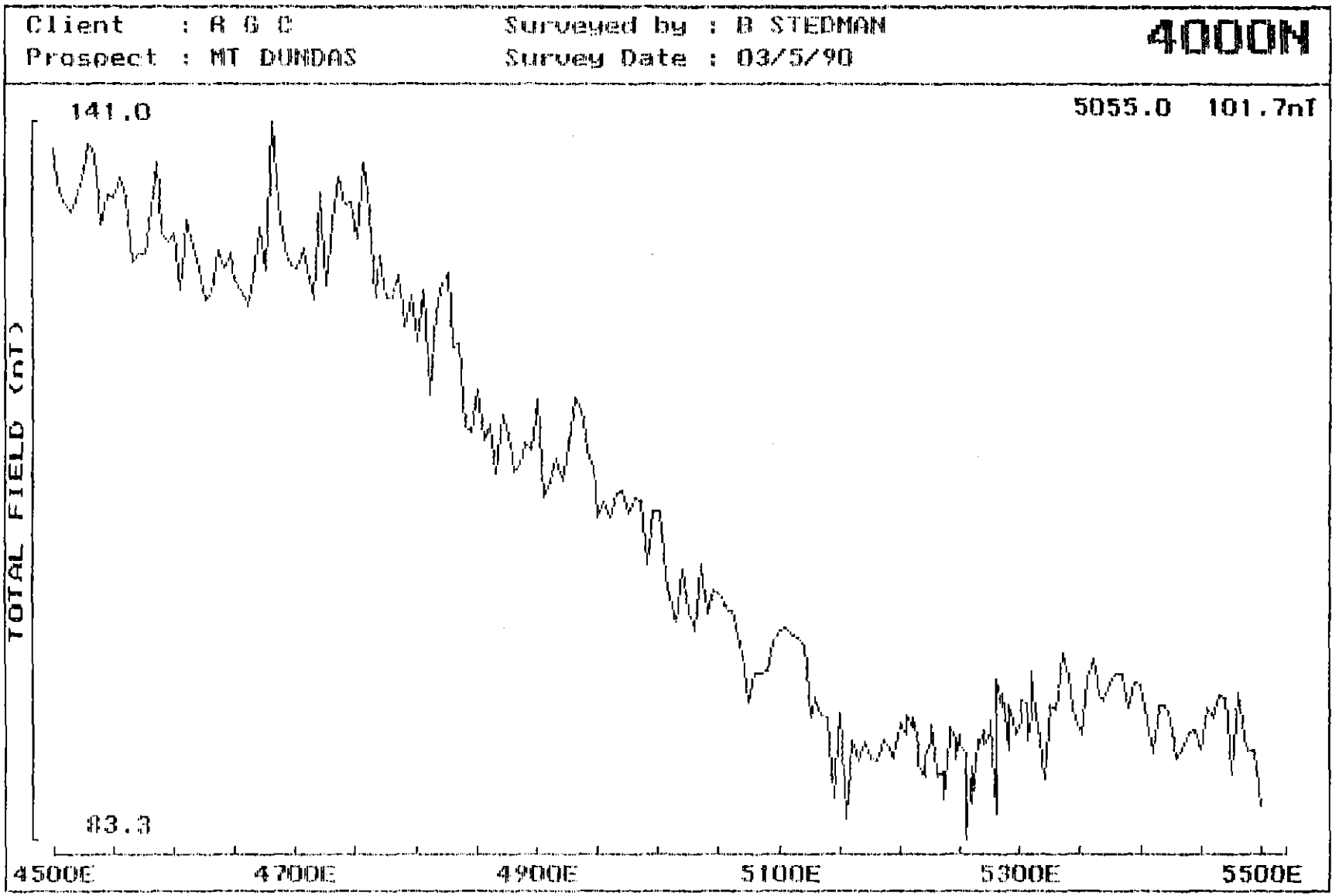
Client : R G C
Prospect : MT DUNDAS

Surveyed by : B STEDMAN
Survey Date : 03/5/90

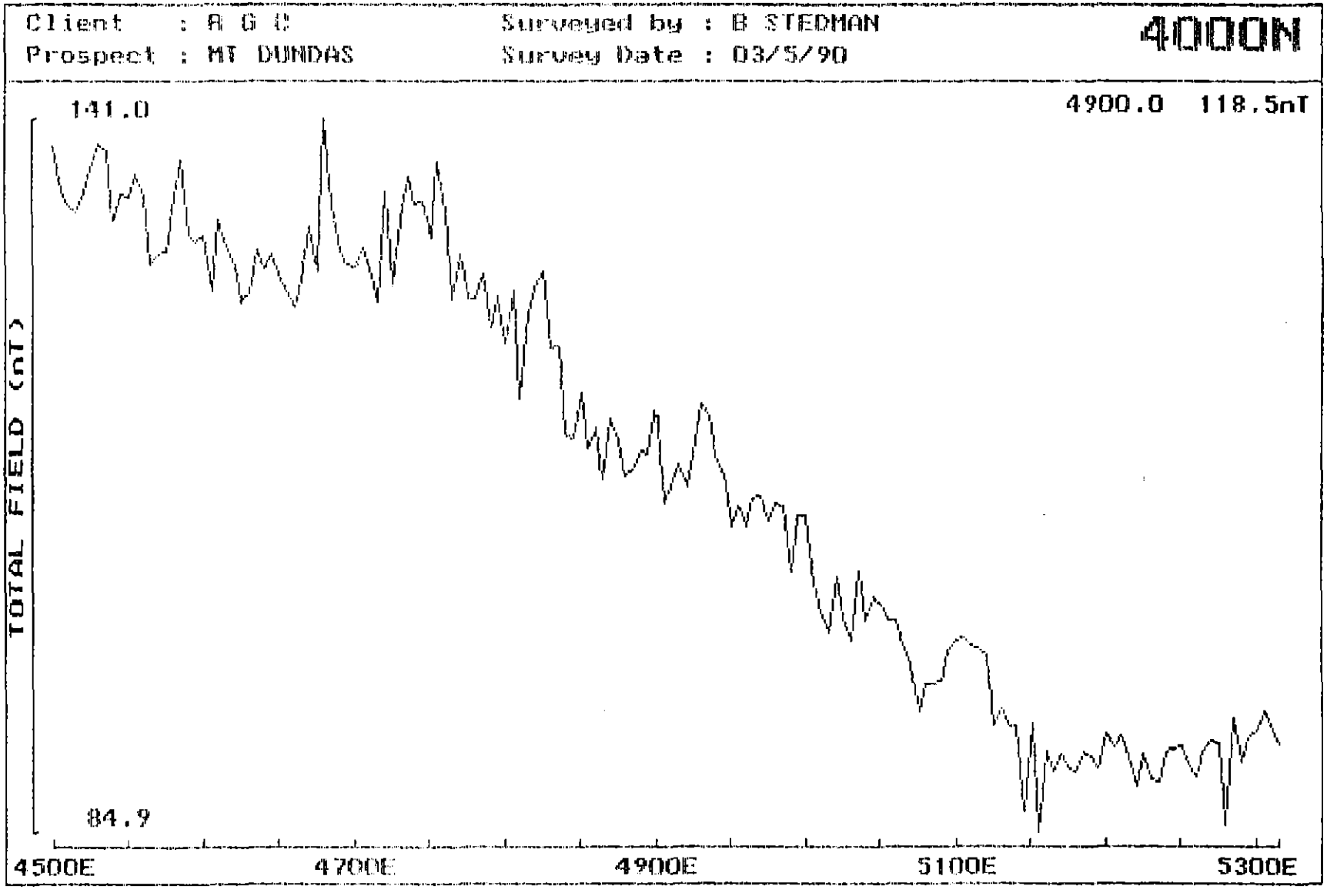
3800N



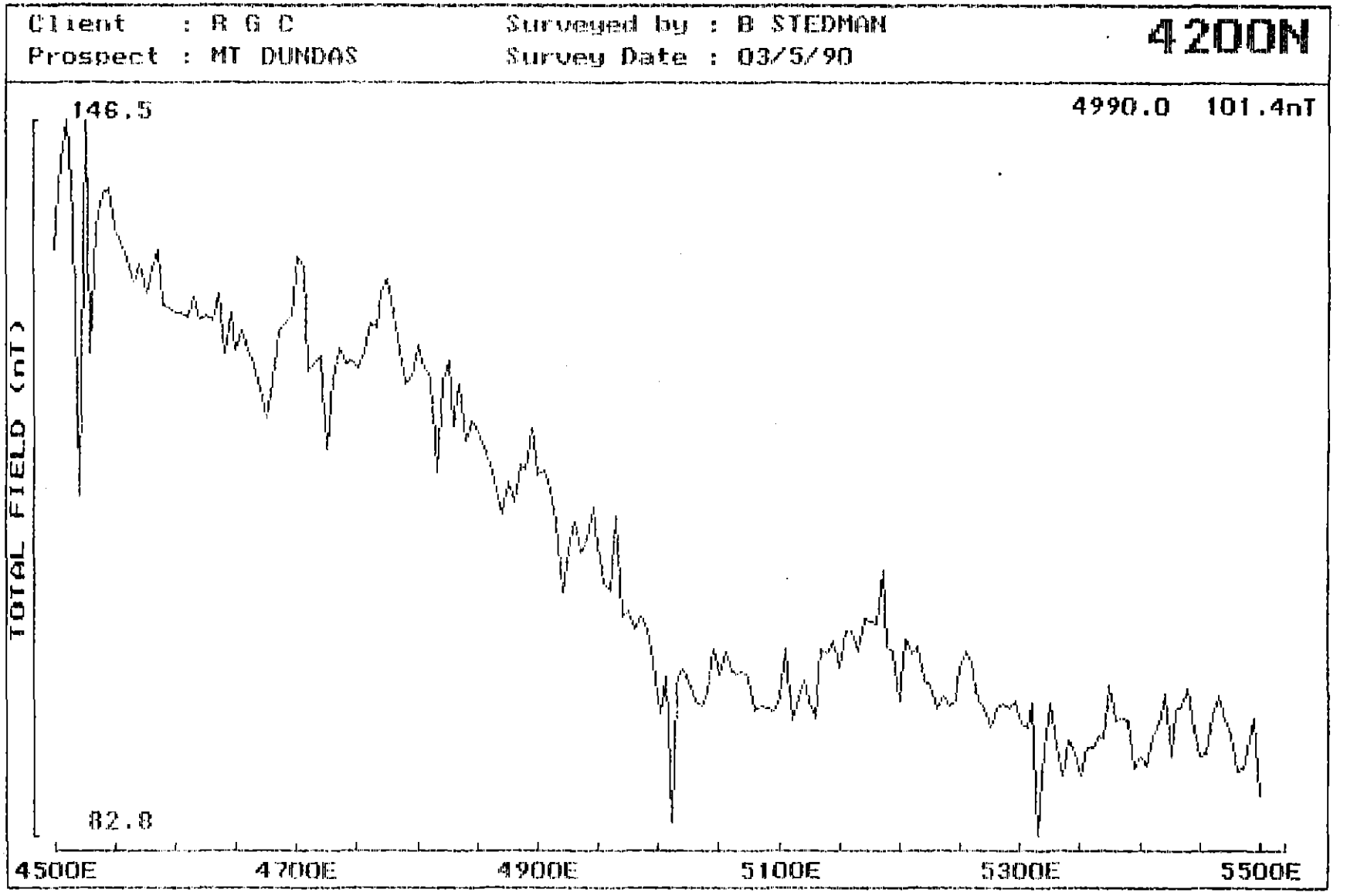
082236


Client : R G C
Prospect : MT DUNDAS
Surveyed by : B STEDMAN
Survey Date : 03/5/90
4000N
141.0
5055.0 101.7nT
TOTAL FIELD (nT)
83.3
4500E
4700E
4900E
5100E
5300E
5500E

082237


Client : A G C
Prospect : MT DUNDAS
Surveyed by : B STEDMAN
Survey Date : 03/5/90
4000N
141.0
4900.0 118.5nT
TOTAL FIELD (nT)
84.9
4500E
4700E
4900E
5100E
5300E

082238

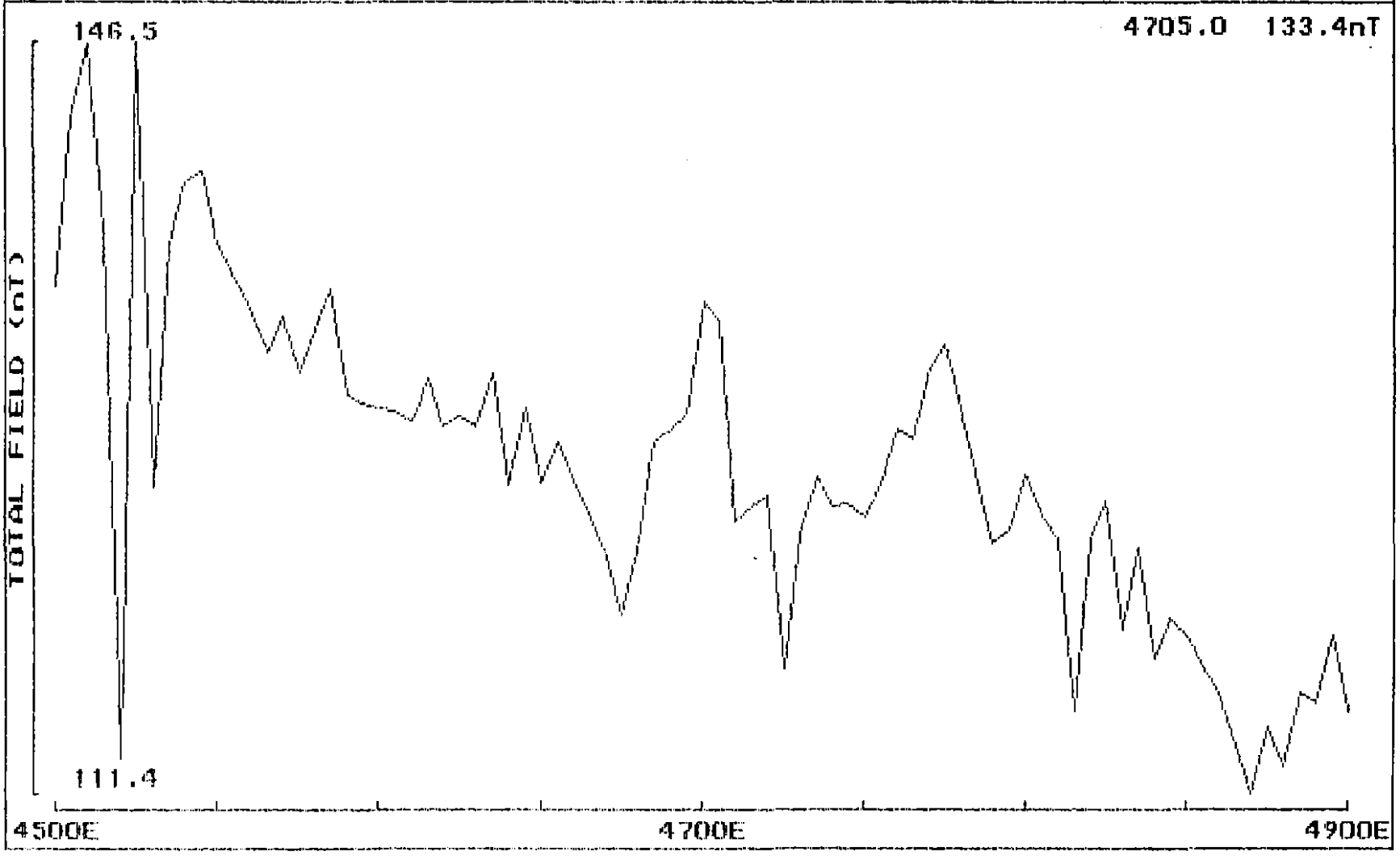

Client : R G C
Prospect : MT DUNDAS
Surveyed by : B STEDMAN
Survey Date : 03/5/90
4200N
146.5
4990.0 101.4nT
TOTAL FIELD (nT)
82.8
4500E
4700E
4900E
5100E
5300E
5500E

082239

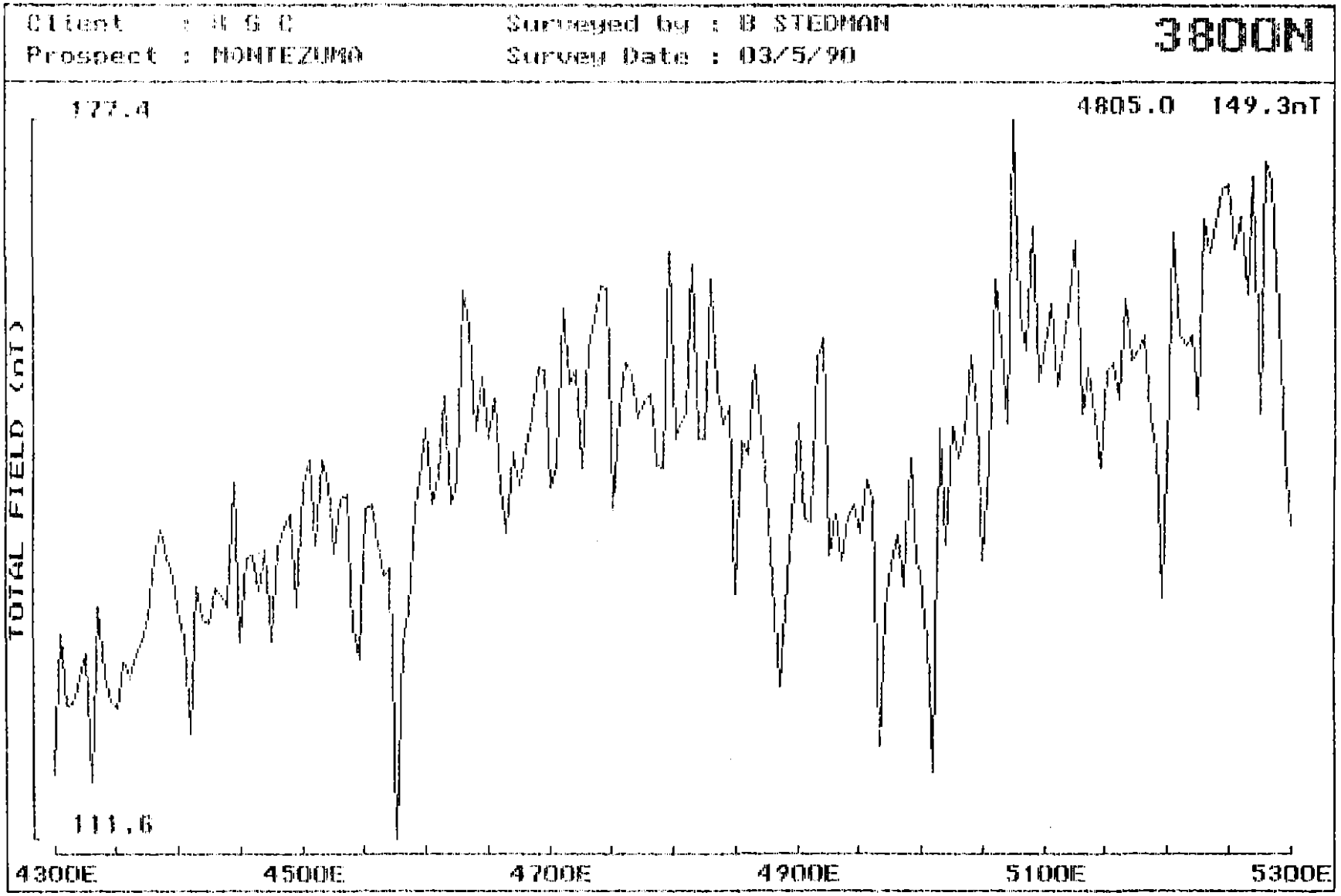
Client : R G C
Prospect : MT DUNDAS

Surveyed by : B STEDMAN
Survey Date : 03/5/90

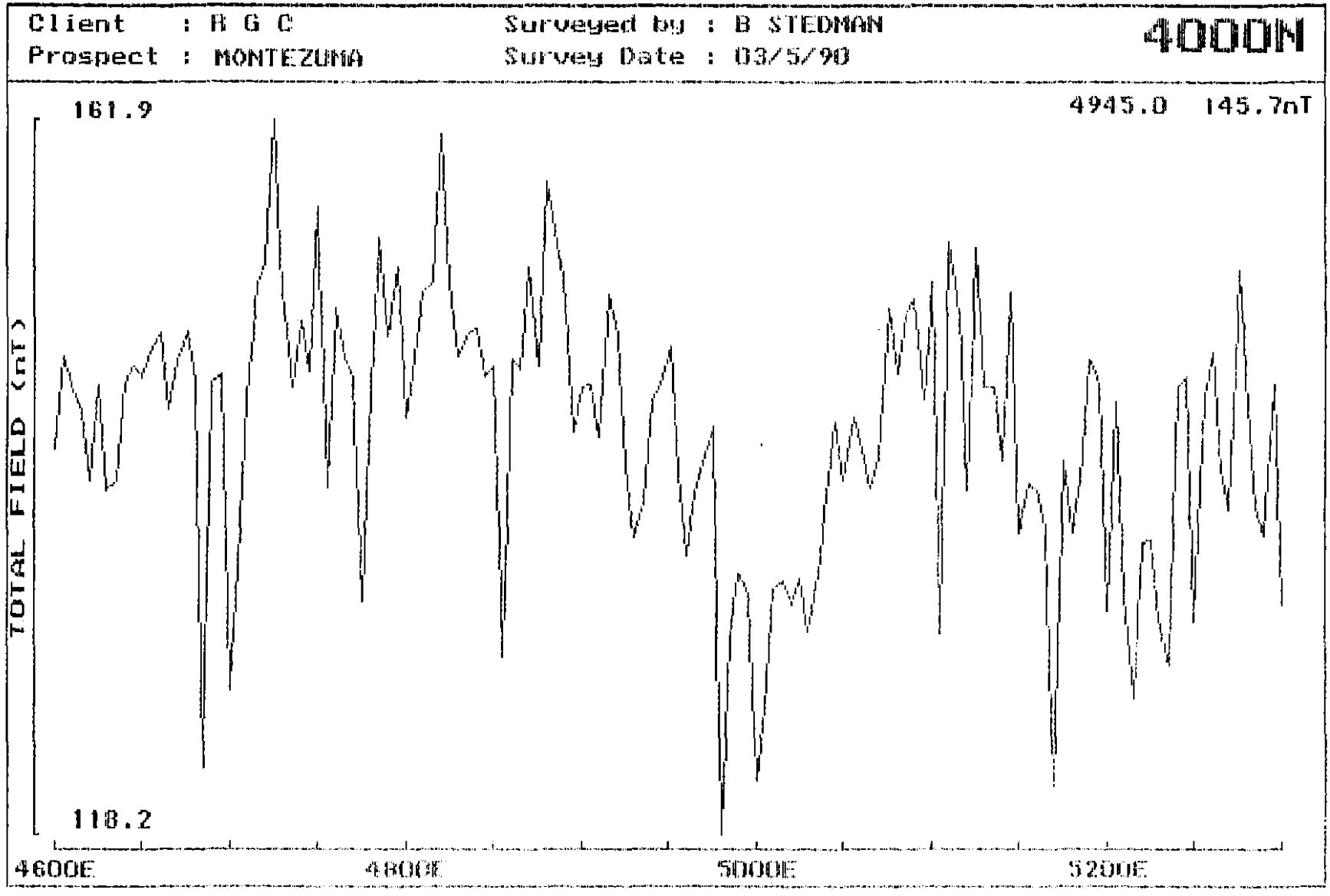
4200N



082240


Client : M G C
Prospect : MONTEZUMA
Surveyed by : B STEDMAN
Survey Date : 03/5/90
3800N
177.4
4805.0 149.3nT
TOTAL FIELD (nT)
111.6
4300E
4500E
4700E
4900E
5100E
5300E

082241


Client : R G C
Prospect : MONTEZUMA
Surveyed by : B STEDMAN
Survey Date : 03/5/90
4000N
161.9
4945.0 145.7nT
TOTAL FIELD (nT)
118.2
4600E
4800E
5000E
5200E

082243

APPENDIX 12

Mt. Dundas Rock Chip Sample Analytical Reports.

082244

5522/321.

ANALABS

A division of MacDonald Hamilton & Co. Pty. Ltd.
Phone (09) 458 7999 52 Murray Road, Welshpool, W.A. 6106 Telex AA92560

FAX 1 004 31 0870

ANALYTICAL REPORT No. 95.1.08.07121

THIS REPORT MUST BE READ IN CONJUNCTION WITH THE ACCOMPANYING ANALYTICAL DATA

R.G.C. Exploration Pty Limited
P.O. Box 320
Rosny Park
Tasmania 7018

ORDER No.	PROJECT
0168	T5522

DATE RECEIVED	RESULTS REQUIRED
28/05/90	ASAP

No. OF PAGES OF RESULTS	DATE REPORTED	No. OF COPIES	TOTAL No. OF SAMPLES
2	05/06/90	1	33

REFER BELOW	SAMPLE NUMBERS	STATE OF SAMPLES	PRE-TREATMENT: DRY	CRUSH	SPLIT	PULVERISE	SIEVE	OTHER SEE REMARKS	NONE	ANALYSIS: REFER TO ANALYSIS SECTION	PREPARATION 1	METHOD
	Various		RC Prep: 002,016							Au,Ag,As,Ba,Br,Ce,Co,Cr,Cs,Eu,Fe,Hf,Ir,La,Lu,Mo		
	Various		RC							Cu,Pb,Zn,Bi/101		
	Various		RC							Sn/401		
	Various		RC							Pb,Zn/104		

RESULTS TO

Mark Flemming
R.G.C. Exploration Pty Limited
P.O. Box 320
Rosny Park
Tasmania 7018

RESULTS TO

REMARKS

EL 101/87 - DUNDAS

Rock Chips.

Dundas Grid Mapping
(R. Pollock)

STATE OF SAMPLES		ANALYSIS — PREPARATION				ANALYSIS — METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorbtion	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
[illegible]g	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC
stream sediment	SS					fluorescence	FLUOR
heavy mineral	HM					Inductively coupled plasma	ICP

AUTHORISED OFFICER C Jenkins

082245

ANALABS

A Division of Inchcape Inspection and Testing Services Australia Pty Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.07121	05/06/90	0168	2 OF 2

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Zn	Bi	Sn		
1	T26855	10	<5	–	150	–	<10	<3		
2	T26856	10	<5	–	10	–	<10	5		
3	T26859	55	700	–	1200	–	<10	5		
4	T26860	–	–	–	–	–	–	–		STD
5	T26862	5	10	–	50	–	<10	3		
6	T26863	15	<5	–	155	–	<10	3		
7	T26866	10	15	–	105	–	<10	<3		
8	T26868	250	–	3175	–	1.00	<10	7		
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23	DETECTION	5	5	25	5	0.01	10	3		
24	UNITS	ppm	ppm	ppm	ppm	%	ppm	ppm		
25	METHOD	101	101	104	101	104	101	401		

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

AUTHORISED OFFICER Jenkins

082246

NEUTRON ACTIVATION ANALYSIS

BECQUEREL JOB # 005

ELEMENT	DL	# 26855	# 26856	# 26859	# 26860 STD B4	# 26862	# 26863	# 26866	# 26868	# [redacted]	# [redacted]
ANTIMONY	.2	.88	1.70	49.40	-.20	1.50	1.00	2.20	105.00	5.20	1.90
ARSENIC	2.0	2.50	4.20	200.00	4.00	4.90	2.70	17.00	372.00	3.70	3.80
BARIUM	100.0	230.0	220.0	250.0	660.0	240.0	-100.0	-100.0	150.0	110.0	-100.0
BROMINE	2.0	-2.00	-2.00	3.50	-2.00	-2.00	8.20	9.50	-2.00	-2.00	3.10
CERIUM	2.0	-2.00	87.00	110.00	88.00	120.00	8.00	13.00	53.00	13.00	31.00
CAESIUM	1.0	8.80	3.40	3.30	11.00	3.80	-1.00	2.60	8.80	8.30	2.40
CHROMIUM	5.0	3790.0	36.0	27.0	360.0	9.2	8100.0	44.0	100.0	45.0	52.0
COBALT	1.0	87.00	3.10	4.80	35.00	5.20	138.00	13.00	110.00	34.00	22.00
EUROPIUM	.5	-.50	1.40	1.60	1.40	1.40	-.50	.63	1.60	-.50	.62
GOLD, ppb	5.0	-5.0	-5.0	-5.0	300.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
HAFNIUM	1.0	-1.00	5.80	5.10	9.10	5.90	1.30	3.00	3.50	4.20	2.70
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	8.680	1.600	12.500	5.830	2.000	6.450	43.600	16.800	3.800	3.700
LANTHANUM	.5	.92	48.00	60.50	47.00	62.50	5.60	7.00	24.00	7.20	14.00
[redacted]TETIUM	.2	-.20	.63	.62	.56	.56	-.20	.35	.42	-.20	-.20
[redacted]LYBDENUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
POTASSIUM, %	.2	1.100	1.600	2.000	1.700	2.200	-.200	.860	1.900	2.000	.730
[redacted]UBIDIUM	20.0	72.0	79.0	94.0	130.0	88.0	-20.0	120.0	96.0	85.0	25.0
[redacted]MARIUM	.20	.41	8.10	8.80	9.00	10.00	.40	2.20	8.70	1.90	3.30
SCANDIUM	.10	42.50	5.30	3.50	13.60	2.70	8.70	10.00	31.30	12.50	14.70
SELENIUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
SILVER	5.0	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00
TANTALUM	1.0	-1.00	2.20	-1.00	1.20	2.20	-1.00	-1.00	-1.00	-1.00	-1.00
THORIUM	.5	.61	19.00	17.00	18.00	25.00	1.00	3.40	4.10	2.90	3.40
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	-2.00	-2.00	-2.00	5.70	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
URANIUM	2.0	-2.00	3.40	-2.00	2.70	2.20	-2.00	-2.00	-2.00	-2.00	-2.00
YTTERBIUM	.5	-.50	3.20	3.20	3.10	2.90	-.50	2.50	2.60	.80	.81
ZINC	100.0	180.0	-100.0	1100.0	-100.0	100.0	180.0	-100.0	9900.0	160.0	120.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	670.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0

BQ BECQUEREL LABORATORIES

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APPENDIX 13

Ring River Drill Hole Logs

R.G.C. Exploration Pty Ltd
RING RIVER

SURFACE DIAMOND DRILLHOLE : RRD001

PROJECT IDEN : RING
COLLAR NORTHING: 65235.00
DRILLED BY : DDT
START DATE : 16 JAN 90
COLLAR EASTING : 75240.00
TOTAL LENGTH : 283.00
COMPLETION DATE : 20 NOV 89
COLLAR ELEVATION: 554.00
CORE/HOLE SIZE : HQ
LOGGED BY: DR. SCOTT W.HALLEY
GRID AZIMUTH : 0.00

SURVEY FLAG	SURVEY POINT LOCATION	FORESIGHT	AZIMUTH (DEGREES)	VERTICAL ANGLE (DEGREES)	NORTHING	EASTING	
000	0.00	270.00	-58.00		65235.00	75240.00	554.00
000	13.00	268.00	-58.00				
000	38.00	268.00	-58.00				
000	77.00	267.50	-55.50				
000	127.00	269.00	-51.00				
000	175.00	270.00	-50.00				
000	226.00	266.50	-48.50				
000	268.00	269.00	-48.50				

	From (m)	To (m)	Rec. (m)	RQD (m)	Description	Unit
	0.00	32.60			MUDSTONE: 30% sandstone, interbedded, veinlets of siderite 1%, blebs of chalcopyrite trace.	WHITE SPUR GROUP
R	0.00	32.60			THE CORE TRAYS WERE DROPPED, AND SUBSEQUENTLY THE CORE WAS	
R	0.00	32.60			OUT OF ORDER.	
	32.60	56.00			MUDSTONE: dark gray, 20% siltstone, 10% sandstone, interbedded, disseminations of pyrite .03%. 34.00 - 34.10: 30% SANDSTONE: finely bedded, bedding: 47. 34.80 - 34.90: 80% MUDSTONE: finely bedded, bedding: 0. 37.00 - 37.20: 100% SANDSTONE: graded bedded, bedding: 70. 42.10 - 42.20: 60% MUDSTONE: finely bedded, graded bedded, fossiliferous, bedding: 33. 45.70 - 45.90: 60% MUDSTONE: finely bedded, graded bedded, fossiliferous, bedding: 40. 50.10 - 50.20: 70% SANDSTONE: finely bedded, graded bedded, bedding: 30, disseminations of pyrite 0.1%.	WHITE SPUR GROUP

082248

R.G.C. Exploration Pty Ltd
RING RIVER
SURFACE DIAMOND DRILLHOLE : RRD001 (CONTINUED)

	- Interval - From (m)	To (m)	Rec. (m)	RQD (m)	Description	Unit
					54.50 - 54.70: 100% SANDSTONE: graded bedded, bedding: 35.	
R	54.70	59.20			TRAY NUMBER 12 WAS DROPPED, AND THUS CORE WAS OUT OF ORDER.	
	56.00	102.30			MUDSTONE: very dark gray, 5% sandstone, veinlets of quartz 1%, veinlets of siderite 1%.	WHITE SPUR GROUP
R	59.20	63.40			TRAY NUMBER 13 WAS DROPPED, AND CORE WAS LOST .	
					64.60 - 64.70: 90% MUDSTONE: finely bedded, bedding: 62.	
					84.00 - 84.10: 90% MUDSTONE: bedding: 52.	
					89.10 - 89.20: 80% MUDSTONE: finely bedded, bedding: 38.	
					91.10 - 93.30: 20% VEIN: veinlets of quartz 20%, veinlets of siderite 5%.	
					98.80 - 99.00: 50% MUDSTONE: finely bedded, bedding: 33.	
	102.30	121.40			MUDSTONE: dark gray, 10% sandstone, 20% siltstone, interbedded, stringers of graphite 1%.	WHITE SPUR GROUP
					103.30 - 103.40: 100% MUDSTONE: finely bedded, bedding: 62.	
					108.95 - 109.05: 80% MUDSTONE: finely bedded, bedding: 48.	
					114.40 - 114.60: 90% MUDSTONE: finely bedded, bedding: 60.	
					119.52 - 119.54: 100% FAULT: fault: 53, bedding: 53.	
					120.80 - 121.00: 90% MUDSTONE: finely bedded, bedding: 44.	
	121.40	142.40			MUDSTONE: very dark gray, 10% sandstone, disrupted bedding, stringers of graphite 2.5%.	WHITE SPUR GROUP
					129.40 - 129.60: 100% MUDSTONE: fault: 15.	
					130.00 - 130.50: 100% MUDSTONE: fault: 9, graphite.	
					131.45 - 131.50: 100% MUDSTONE: fault: 37.	

082249

R.G.C. Exploration Pty Ltd
RING RIVER
SURFACE DIAMOND DRILLHOLE : RRD001 (CONTINUED)

	Interval From (m)	Interval To (m)	Rec. (m)	RQD (m)	Description	Unit
					136.75 - 136.80: 100% *MUDSTONE*: fault: 32. 138.70 - 138.75: 100% MUDSTONE: fault: 45, disseminations = veins graphite. 139.30 - 139.35: 100% MUDSTONE: fault: 40, disseminations = veins graphite.	
	142.40	146.80			SANDSTONE: pale grey, massive.	WHITE SPUR GROUP
	146.80	159.35			*MUDSTONE: dark gray, 20% sandstone, interbedded, disrupted* bedding, weakly foliated, stringers of graphite 2.5%, lenses of pyrite .03%.	WHITE SPUR GROUP
	159.35	161.20			SANDSTONE: pale grey, massive.	WHITE SPUR GROUP
	161.20	162.95			MUDSTONE: dark gray, 20% sandstone, interbedded, disrupted bedding, stringers of graphite 2.5%.	WHITE SPUR GROUP
	162.95	168.85			SANDSTONE: pale green, 5% mudstone, massive. 167.80 - 168.00: 100% SANDSTONE: bedding: 57, cleavage: 57.	WHITE SPUR GROUP
	168.85	172.50			MUDSTONE: very dark gray, 5% sandstone, disrupted bedding, stringers of graphite 2.5%.	WHITE SPUR GROUP
	172.50	185.85			MUDSTONE: medium gray, 30% sandstone, brecciated, strongly foliated, *disrupted bedding, stringers of graphite 2.5%.*	WHITE SPUR GROUP
R	172.85	185.85			ZONE OF STRONG SHEARING AND DEFORMATION ADJACENT TO THE	
R	172.85	185.85			ROSEBERY FAULT	
	185.85	186.40			FAULT.	ROSEBERY FAULT
	186.40	271.10			TUFF: light green, 2.5% mudstone, massive, feldspar phyric, stockwork siderite 2.5%.	DUNDAS GROUP CAMBRIAN
	271.10	282.75			MUDSTONE: very dark gray, finely bedded, veinlets of siderite 2.5%, veinlets of sphalerite .03%.	DUNDAS GROUP CAMBRIAN

082250

R.G.C. Exploration Pty Ltd
RING RIVER
SURFACE DIAMOND DRILLHOLE : RRD001 (CONTINUED)

- Interval - From (m)	To (m)	Rec. (m)	RQD (m)	Description	Unit
282.75	283.00			TUFF: light green, massive, feldspar phyric.	DUNDAS GROUP CAMBRIAN

082254

R.G.C. Exploration Pty Ltd
RING RIVER

SURFACE DIAMOND DRILLHOLE : RRD002

PROJECT IDEN	: RING	START DATE	: 28 NOV 89	COMPLETION DATE	: 13 DEC 89	LOGGED BY:	DR. SCOTT W.HALLEY
COLLAR NORTHING:	64970.00	COLLAR EASTING	: 75115.00	COLLAR ELEVATION:	570.00	GRID AZIMUTH	: 0.00
DRILLED BY	:DDT	TOTAL LENGTH	: 283.00	CORE/HOLE SIZE	: HQ		

SURVEY FLAG	SURVEY POINT LOCATION	FORESIGHT	AZIMUTH (DEGREES)	VERTICAL ANGLE (DEGREES)	NORTHING	EASTING	
000	0.00	270.00	-65.00		64970.00	75115.00	570.00
000	11.00	268.00	-63.25				
000	37.00	270.50	-60.33				
000	76.00	271.50	-54.50				
000	125.00	274.00	-50.25				
000	170.00	273.00	-49.00				
000	215.00	273.00	-47.03				
000	262.00	272.50	-45.63				

- Interval - From (m)	To (m)	Rec. (m)	RQD (m)	Description	Unit
0.00	1.00			NO CORE.	
1.00	11.45			GREYWACKE: darker gray, 20% siltstone, coarsely bedded, veinlets of siderite 1%. 9.20 - 10.10: 90% GREYWACKE: bedding: 42, veinlets of siderite 1%, blebs of chalcopyrite .03%, blebs of galena 0.1%, veinlets of sphalerite 0.3%.	WHITE SPUR GROUP
11.45	148.30			MUDSTONE: dark gray, 10% siltstone, 10% sandstone, finely bedded, interbedded, veined, veinlets of quartz 1%, veinlets of siderite 1%, disseminations of pyrite .03%. 12.15 - 12.20: 50% MUDSTONE: bedding: 35. 14.10 - 14.20: 100% MUDSTONE: veinlets of quartz 10%, veinlets of siderite 10%, blebs of chalcopyrite 2.5%, blebs of sphalerite 0.3%. 16.50 - 16.60: 70% MUDSTONE: bedding: 30. 17.70 - 18.00: 30% SANDSTONE: graded bedded, finely bedded, bedding: 31.	WHITE SPUR GROUP

082252

R.G.C. Exploration Pty Ltd
RING RIVER
SURFACE DIAMOND DRILLHOLE : RRD002 (CONTINUED)

- Interval - From (m)	To (m)	Rec. (m)	RQD (m)	Description	Unit
				18.90 - 19.00: 50% SILTSTONE: bedding: 43, cleavage: 28. 20.90 - 21.10: 70% MUDSTONE: graded bedded, finely bedded, bedding: 39, cleavage: 28. 23.40 - 23.50: 80% MUDSTONE: finely bedded, bedding: 37. 25.85 - 25.95: 100% FAULT: veinlets of siderite 30%, stringers of graphite 20%. 26.40 - 26.50: 60% SILTSTONE: finely bedded, bedding: 38, cleavage: 31. 27.20 - 27.30: 100% MUDSTONE: veinlets of quartz 30%, stringers of graphite 20%. 28.50 - 28.60: 70% MUDSTONE: finely bedded, bedding: 60. 31.80 - 31.90: 90% MUDSTONE: finely bedded, bedding: 33. 33.80 - 33.90: 10% SANDSTONE: finely bedded, bedding: 20. 34.80 - 35.00: 100% FAULT: stringers of graphite 30%. 36.70 - 36.80: 100% MUDSTONE: finely bedded, bedding: 0. 39.90 - 40.00: 70% MUDSTONE: finely bedded, bedding: 46, cleavage: 32. 41.80 - 41.90: 50% SANDSTONE: finely bedded, graded bedded, bedding: 36, cleavage: 23. 45.00 - 65.00: 90% MUDSTONE: veinlets of quartz 2.5%, veinlets of siderite 2.5%, stringers of graphite 1%, disseminations of pyrite 0.3%.	

082253

R.G.C. Exploration Pty Ltd
RING RIVER
SURFACE DIAMOND DRILLHOLE : RRD002 (CONTINUED)

- Interval - From (m)	To (m)	Rec. (m)	RQD (m)	Description	Unit
				47.70 - 47.80: 80% MUDSTONE: finely bedded, bedding: 46.	
				48.40 - 49.20: 100% MUDSTONE: disrupted bedding, veinlets of siderite 5%, stringers of graphite 2.5%.	
				52.80 - 53.80: 100% MUDSTONE: disrupted bedding, veinlets of siderite 5%, stringers of graphite 2.5%.	
				54.50 - 54.60: 60% MUDSTONE: finely bedded, bedding: 52.	
				56.20 - 56.30: 90% MUDSTONE: finely bedded, bedding: 32, veinlets of siderite 10%, lenses of pyrite 2.5%.	
				57.00 - 57.10: 60% MUDSTONE: finely bedded, bedding: 0, lenses of pyrite 5%.	
				60.30 - 61.60: 90% MUDSTONE: disrupted bedding.	
				62.50 - 63.10: 80% MUDSTONE: finely bedded, brecciated, veined, bedding: 33, veinlets of quartz 20%, veinlets of siderite 10%.	
				64.30 - 64.70: 100% FAULT: 100% mudstone, disrupted bedding, veinlets of quartz 5%, veinlets of siderite 5%, stringers of graphite 2.5%, blebs of chalcopyrite 0.1%, veinlets of sphalerite 1%.	
				67.00 - 67.10: 80% MUDSTONE: finely bedded, bedding: 8, 33.	
				69.10 - 69.60: 80% MUDSTONE: bedding: 0, lower contact: 37.	
				71.50 - 71.90: 100% MUDSTONE: disrupted bedding, veinlets of siderite 20%, stringers of graphite 5%.	

08263

R.G.C. Exploration Pty Ltd
RING RIVER
SURFACE DIAMOND DRILLHOLE : RRD002 (CONTINUED)

Interval From (m)	Interval To (m)	Rec. (m)	RQD (m)	Description	Unit
				76.30 - 76.60: 80% MUDSTONE: finely bedded, bedding: 47.	
				84.90 - 85.10: 90% MUDSTONE: finely bedded, bedding: 35.	
				88.50 - 88.90: 60% MUDSTONE: finely bedded, bedding: 0.	
				92.00 - 93.10: 80% MUDSTONE: finely bedded, bedding: 58.	
				96.10 - 97.70: 80% MUDSTONE: disrupted bedding, veinlets of quartz 1%, veinlets of siderite 2.5%, stringers of graphite 2.5%.	
				99.85 - 110.00: 90% MUDSTONE: finely bedded, bedding: 68, cleavage: 51, blebs of pyrite 2.5%.	
				103.40 - 103.45: 30% MUDSTONE: disrupted bedding, fault: 51.	
				105.20 - 105.40: 90% MUDSTONE: finely bedded, bedding: 63, cleavage: 44.	
				106.80 - 115.70: 80% MUDSTONE: disrupted bedding, veinlets of quartz 2.5%, veinlets of siderite 10%, stringers of graphite 2.5%.	
				118.60 - 118.90: 90% MUDSTONE: finely bedded, bedding: 45.	
				121.50 - 121.90: 90% MUDSTONE: finely bedded, bedding: 10, lenses of pyrite 2.5%.	
				126.00 - 126.30: 90% MUDSTONE: finely bedded, bedding: 15.	
				128.15 - 128.30: 100% VEIN: vein: 30, veinlets of quartz 70%, veinlets of siderite 30%.	
				136.00 - 136.30: 100% MUDSTONE: finely bedded, bedding: 24.	

GS2280

R.G.C. Exploration Pty Ltd
RING RIVER
SURFACE DIAMOND DRILLHOLE : RRD002 (CONTINUED)

- Interval - From (m)	To (m)	Rec. (m)	RQD (m)	Description	Unit
				139.20 - 139.30: 100% FAULT: fault: 47. 144.60 - 144.70: 60% MUDSTONE: finely bedded, graded bedded, bedding: 60. 144.80 - 148.30: 90% MUDSTONE: disrupted bedding, lenses of pyrite 1%.	
148.30	148.95			FAULT: dark gray, fault: 64, fault: 64.	ROSEBERY FAULT
148.95	185.00			MUDSTONE: very dark gray, fractured, veined, massive, veinlets of siderite 2.5%. 152.85 - 152.90: 100% MUDSTONE: fault: 72. 154.90 - 154.95: 100% MUDSTONE: fault: 50. 155.22 - 155.24: 100% MUDSTONE: fault: 45. 158.90 - 159.00: 100% MUDSTONE: finely bedded, bedding: 56. 163.50 - 163.60: 100% MUDSTONE: finely bedded, bedding: 54. 164.40 - 164.50: 100% MUDSTONE: finely bedded, bedding: 0. 169.00 - 169.20: 100% MUDSTONE: finely bedded, bedding: 42. 172.90 - 173.05: 100% MUDSTONE: fault: 16. 175.80 - 175.90: 100% MUDSTONE: finely bedded, bedding: 45. 177.18 - 177.22: 100% MUDSTONE: fault: 42. 178.00 - 178.10: 100% MUDSTONE: finely bedded, bedding: 47.	DUNDAS GROUP CAMBRIAN
185.00	200.02			BRECCIA: dark gray, 70% mudstone, 20% sandstone clasts, nodular, stringers of siderite 10%.	DUNDAS GROUP CAMBRIAN
200.02	203.40			SANDSTONE: pale grey, massive, weak to moderate silica alteration, veinlets of siderite 2.5%.	DUNDAS GROUP CAMBRIAN

082256

R.G.C. Exploration Pty Ltd
RING RIVER
SURFACE DIAMOND DRILLHOLE : RRD002 (CONTINUED)

	- Interval - From (m)	To (m)	Rec. (m)	RQD (m)	Description	Unit
	203.40	205.15			MUDSTONE: very dark gray, 20% sandstone, brecciated, veinlets of siderite 2.5%.	DUNDAS GROUP CAMBRIAN
	205.15	210.00			SANDSTONE: pale grey, 20% mudstone, brecciated, feldspar phyric, veinlets of siderite 2.5%.	DUNDAS GROUP CAMBRIAN
R	205.15	210.00			THIS ROCK LACKS DISTINCT BEDDING,HAS EXTREMLY CONVOLUTED AND	
R	205.15	210.00			BRECCIATED CONTACTS AND CONTAINS COARSE FRESH FELDSPAR.IT MAY	
R	205.15	210.00			BE A SUBMARINE EXTRUSIVE,IN PART REWORKED.	
	210.00	213.76			MUDSTONE: very dark gray, brecciated, finely bedded, veinlets of siderite 2.5%.	DUNDAS GROUP CAMBRIAN
	213.76	216.00			SANDSTONE: pale green, massive, veinlets of siderite 5%.	DUNDAS GROUP CAMBRIAN
	216.00	216.95			MUDSTONE: very dark gray, brecciated, veinlets of siderite 2.5%.	DUNDAS GROUP CAMBRIAN
	216.95	218.60			SANDSTONE: pale grey, brecciated, veinlets of siderite 2.5%.	DUNDAS GROUP CAMBRIAN
	218.60	221.50			MUDSTONE: dark gray, brecciated, veinlets of siderite 5%.	DUNDAS GROUP CAMBRIAN
	221.50	223.35			SILTSTONE: pale grey, massive.	DUNDAS GROUP CAMBRIAN
	223.35	224.05			MUDSTONE: dark gray, veinlets of siderite 2.5%.	DUNDAS GROUP CAMBRIAN
	224.05	224.80			SILTSTONE: pale green, massive, euhedral crystals of pyrite 1%.	DUNDAS GROUP CAMBRIAN
	224.80	229.50			MUDSTONE: dark gray, finely bedded.	DUNDAS GROUP CAMBRIAN
	229.50	233.15			SILTSTONE: pale green, massive, weak silica alteration.	DUNDAS GROUP CAMBRIAN
	233.15	235.60			MUDSTONE: dark gray, brecciated, veinlets of siderite 5%.	DUNDAS GROUP CAMBRIAN
	235.60	237.60			SILTSTONE: pale green, massive.	DUNDAS GROUP CAMBRIAN
R	235.60	237.60			SHARP LOWER CONTACT DISCORDANT TO BEDDING IN MUDSTONE.	
	237.60	244.90			MUDSTONE: dark gray, 10% siltstone, disrupted bedding,	DUNDAS GROUP CAMBRIAN

082267

R.G.C. Exploration Pty Ltd
RING RIVER
SURFACE DIAMOND DRILLHOLE : RRD002 (CONTINUED)

- Interval - From (m)	To (m)	Rec. (m)	RQD (m)	Description	Unit
				veinlets of siderite 2.5%, blebs of sphalerite .03%.	
244.90	251.60			SILTSTONE: pale green, stockworked.	DUNDAS GROUP CAMBRIAN
251.60	255.00			MUDSTONE: very dark gray, finely bedded, disrupted bedding, veinlets of siderite 1%.	DUNDAS GROUP CAMBRIAN
255.00	255.90			SILTSTONE: pale green, stockworked.	DUNDAS GROUP CAMBRIAN
255.90	265.90			MUDSTONE: dark gray, 10% siltstone, stockworked, veinlets of siderite 1%.	DUNDAS GROUP CAMBRIAN
265.90	272.20			SILTSTONE: pale green, 10% mudstone, stockworked.	DUNDAS GROUP CAMBRIAN
272.20	282.20			MUDSTONE: very dark gray, stockworked, veinlets of siderite 1%.	DUNDAS GROUP CAMBRIAN
282.20	283.00			SILTSTONE: light green.	DUNDAS GROUP CAMBRIAN

08225

APPENDIX 14

Combined soil, stream sediment and Rock Chip Sampling Results for Ground to be Relinquished, 1989-1992. (Includes Mt. Dundas Soil and Rock Chip Geochemistry)

RGC EXPLORATION PTY.LTD. DATA SHEET

PROJECT: DUNDAS INC. MONTEZUMA

SAMPLE NUMBER	NORTH metres	EAST metres	DEPTHF metres	DEPTHT metres	CODE	SAMPLR	DATE	QCONT	GRID	KIND	VEGCON	SOIL	UNIT	COLOUR	COMPOS	SLOPE
T 19347	366995	375790			5524	DJC	.			RC		SAND		FE		
T 19348	366980	375795			5524	DJC	.			RC		VEIN			QZ	PY
T 19349	366950	375900			5524	DJC	.			RC		ARLI			GLJMPY	
T 19351	360480	371360			5522	DJC	OCT.90		MTZ			CONG				
	Remark:AT 255 M ON TRAVERSE ACROSS AEROMAGNETIC ANOMALY 183.															
T 19352	360610	371480			5522	DJC	OCT.90		MTZ			CONG				
	Remark:AT 80.85 ON TRAVERSE ACROSS AEROMAG ANOMALY 183.															
T 19353	360650	371530			5522	DJC	OCT.90		MTZ			CONG			PY	
	Remark:AT 25 - 30 M ON TRAVERSE ACROSS AEROMAG ANOMALY 183.															
T 19354	360750	368860			5522	DJC	OCT.90		MTZ			CONG		FE		
	Remark:WEAKLY MAGNETIC FERRUGINOUS FRAGMENTS. AEROMAG ANOMALY															
T 19355	360880	369000			5522	DJC	OCT.90		MTZ			FEST				
	Remark:MAGNETIC LATERITE AT 77 - 80 M ON AEROMAG ANOMALY 175 TRAVERSE.															
T 25023	366800	375430			5524	SH	.			RC						
	Remark:ORE SAMPLE FROM BOOKER CREEK ADIT															
T 33218	364139	374531					.		MTD	SL	RNF	R	C	T2 3T	CY SIL	3
T 33219	364124	374545					.		MTD	SL	RNF	R	C	T2 3T	CY SIL	1
T 33221	364104	374569					.		MTD	SL	RNF	R	C	2A2T3T	SIL SN	1
T 33222	364088	374590			5522		.		MTD	SL	RNF	R	C	3A 2T	SIL/SN	2
T 33223	364072	374607			5522		.		MTD	SL	RNF	R	C	2T 2A	CY/SIL	3
T 33224	364056	374626					.		MTD	SL	RNF	R	C	2T	SIL SN	3
T 33225	364039	374644					.		MTD	RC	RNF	R	C	2A3A3T	PEB	1
	Remark:SAMPLE TAKEN AT WASHOUT IN ROAD.															
T 33226	364024	374662					.		MTD	SL	RNF	R	C	2A	PEB	1
	Remark:SAMPLE TAKEN AT AN OUTCROP ON THE ROAD.															
T 33227	364008	374681					.		MTD	SL	RNF	R	C	2T	SIL SN	1
T 33228	363991	374700					.		MTD	SL	RNF	R	C	3A2T	CY/SIL	1
T 33229	363975	374720					.		MTD	SL	RNF	R	C	2T2U	CY/SIL	2
T 33230	363958	374738					.		MTD	SL	RNF	R	C	2A3A	SIL SN	2
T 33231	363942	374757					.		MTD	RC	RNF	R	C	2A2T	PEB	2
	Remark:SAMPLE TAKEN FROM WASHOUT ON THE ROAD.															
T 33232	363924	374778					.		MTD	SL	RNF	R	C	3A3T2A	CY/SIL	3
T 33233	363908	374796					.		MTD	SL	RNF	R	C	2A2T3U	CY/SIL	1
T 33234	363893	374813					.		MTD	SL	RNF	R	BC	2T	CY/SIL	2

Laboratory:
Method .
Det. Limit:

009280

PROJECT: DUNDAS INC. MONTEZUMA

SAMPLE NUMBER	NORTH metres	EAST metres	DEPTHF metres	DEPTHT metres	CODE	SAMPLR	DATE	QCONT	GRID	KIND	VEGCON	SOIL	UNIT	COLOUR	COMPOS	SLOPE
T 33235	363877	374832						.	MTD	SL	RNF	R	C	2A	CY/SIL	1
T 33236	363861	374851						.	MTD	SL	RNF	R	C	3A3T	SIL SN	1
T 33237	363843	374871						.	MTD	SL	RNF	R	BC	2T	CY/SIL	1
T 33238	363826	374891						.	MTD	SL	RNF	R	BC	2A2T	CY/SIL	1
T 33239	363811	374908						.	MTD	SL	RNF	R	C	2A3A	SIL SN	1
T 33241	364154	374509		1.0	5522			.	MTD	SL	RNF	R	C	2T	CY/SIL	2
T 33242	364169	374490			5522			.	MTD	SL	RNF	R	C	2T	SIL/SN	3
T 33243	364189	374466			5522			.	MTD	SL	RNF	R	BC	3A2T	CY/SIL	1
T 33244	364199	374451			5522			.	MTD	SL	RNF	R	C	2T2U	SIL/SN	1
T 33245	364215	374428			5522			.	MTD	RC	RNF	R	C	W 3A10	PEB	4
T 33246	364230	374408			5522			.	MTD	SL	RNF	R	BC	2U 2T	CY/SIL	1
T 33247	364243	374389			5522			.	MTD	RC	RNF	R	C	203A2U	PEB	3
T 33248	364256	374371			5522			.	MTD	SL	RNF	R	BC	2T	CY/SIL	1
T 33249	364272	374350			5522			.	MTD	SL	RNF	R	BC	2A 2T	CY/SIL	2
T 33250	364287	374329		1.0	5522			.	MTD	SL	RNF	R	C	2A2T	SIL/SN	1
T 33251	364302	374308			5522			.	MTD	SL	RNF	R	C	2U2T	SIL/SN	1
T 33252	364316	374286			5522			.	MTD	SL	RNF	R	BC	3R2T	SIL/SN	1
T 33253	364328	374264			5522			.	MTD	SL	RNF	R	C	2U 2T	SIL/SN	1
T 33254	364340	374245			5522			.	MTD	RC	RNF	R	C	2T2U3A	PEB	3
T 33255	364359	374226			5522			.	MTD	RC	RNF	R	C	W 2A3A	PEB	1
T 33256	364375	374206			5522			.	MTD	RC	RNF	R	C	N 3A2T	PEB	2
T 33257	364388	374185			5522			.	MTD	SL	RNF	R	BC	2T3A	CY/SIL	2
T 33258	364403	374165			5522			.	MTD	RC	RNF	R	C	2A3A2T	PEB	2
T 33259	364418	374143			5522			.	MTD	RC	RNF	R	C	2A3A2T	PEB	2
T 33261	364428	374125			5522	CC		.	MTD	RC	RNF	R	C	2A3A1U	PEB	2
T 33262	363828	374299			5522			.	MTD	SL	RNF	R	BC	2T	CY/SIL	3
T 33263	363814	374319			5522			.	MTD	SL	RNF	R	C	2A3A2T	CY/SIL	3
T 33264	363802	374341			5522			.	MTD	SL	RNF	R	BC	3A3T	CY/SIL	2
T 33265	363792	374362			5522			.	MTD	SL	RNF	R	C	2A1T	SIL/SN	2
T 33266	363779	374382			5522			.	MTD	SL	RNF	R	C	3A3T	SIL/SN	1
T 33267	363762	374403			5522			.	MTD	RC	RNF	R	C	W 3A2A	PEB	3
T 33268	363745	374420			5522			.	MTD	SL	RNF	R	C	3A2T	SIL/SN	2
T 33269	363730	374442			5522			.	MTD	SL	RNF	R	C	W 3A2A	PEB	3
T 33270	363716	374464			5522			.	MTD	SL	RNF	R	C	W 3A2T	SN/PEB	3

Laboratory:
Method :
Det. Limit:

19280

PROJECT: DUNDAS INC. MONTEZUMA

SAMPLE NUMBER	TNORTH metres	TEAST metres	DEPTHF metres	DEPTHT metres	CODE	SAMPLR	DATE	QCONT	GRID	KIND	VEGCON	SOIL	UNIT	COLOUR	COMPOS	SLOPE
T 33271	363703	374483			5522		.		MTD	RC	RNF	R	C	W 3A3T	PEB	5
T 33272	363689	374505		1.0	5522		.		MTD	SL	RNF	R	BC	3A2T3T	CY/SIL	1
T 33273	363672	374525			5522		.		MTD	RC	RNF	R	C	2A2T2U	PEB	3
T 33274	363655	374542			5522		.		MTD	SL	RNF	R	BC	2A2T	CY/SIL	5
T 33275	363640	374565			5522		.		MTD	SL	RNF	R	C	2A3A2T	SIL/SN	4
T 33276	363627	374581			5522		.		MTD	SL	RNF	R	C	2A2T2R	SIL/SN	3
T 33277	363614	374600			5522		.		MTD	SL	RNF	R	B	3A2T	CY/SIL	2
T 33278	363600	374623			5522		.		MTD	RC	RNF	R	C	3A3T	PEB	2
T 33279	363600	374623			5522		.		MTD	SL	RNF	R	C	2A3A1T	SIL/SN	2
T 33281	363585	374643			5522		.		MTD	SL	RNF	R	C	3A2T3T	SIL/SN	2
T 33282	363570	374666		1.0	5522		.		MTD	SL	RNF	R	B	33A3T	CY/SIL	2
T 33283	363556	374681			5522		.		MTD	SL	RNF	R	C	3A2T	SIL/SN	2
T 33284	363861	374258			5522		.		MTD	SL	RNF	R	C	2T	SIL/SN	4
T 33285	363877	374242			5522		.		MTD	SL	RNF	R	C	N 2T2U	PEB	4
T 33286	363895	374224			5522		.		MTD	RC	RNF	R	C	N 1T W	PEB	4
T 33287	363913	374209			5522		.		MTD	SL	RNF	R	C	2T	SIL/SN	4
T 33288	363929	374187			5522		.		MTD	SL	RNF	R	BC	3A2T	CY/SIL	4
T 33289	363945	374169			5522		.		MTD	SL	ALP	R	C	W 3A2T	SIL/SN	4
T 33290	363965	374155			5522		.		MTD	SL	ALP	R	C	1U1T2T	SIL/SN	4
T 33291	363984	374141			5522		.		MTD	RC	ALP	R	C	2A2U2T	PEB	2
T 33292	364002	374123			5522		.		MTD	RC	ALP	R	C	W N 1T	PEB	2
T 33293	364021	374106			5522		.		MTD	RC	ALP	R	C	N W 1T	PEB	4
T 33294	364036	374088			5522		.		MTD	SL	RNF	R	C	N W 3A	SIL/SN	4
T 33295	364051	374072			5522		.		MTD	SL	RNF	R	BC	2T	CY/SIL	4
T 33296	364069	374053			5522		.		MTD	RC	RNF	R	C	3A2T	PEB	4
T 33297	364084	374032			5522		.		MTD	SL	RNF	R	BC	2T	CY/SIL	4
T 33298	364100	374012			5522		.		MTD	SL	RNF	R	C	2T	SIL/SN	4
T 33305	363541	374035			5524		.		MTD	SL	RNF	R	C	W 3A3U	SIL/SN	3
T 33306	363525	374045			5524		.		MTD	SL	RNF	R	C	3A2T3T	SIL/SN	3
T 33307	363514	374063			5524		.		MTD	SL	RNF	R	BC	3A	CY/SIL	3
T 33308	363499	374086			5524		.		MTD	SL	RNF	R	BC	2A3A2T	CY/SIL	5
T 33309	363484	374104			5524		.		MTD	RC	RNF	R	C	N 2A2T	PEB	1
	REMARK: SAMPLE TAKEN OF BEDROCK IN CREEK.															
T 33310	363466	374121			5524		.		MTD	SL	RNF	R	C	2A3A2U	SIL/SN	5

Laboratory:
Method :
Det. Limit:

092280

PROJECT: DUNDAS INC. MONTEZUMA

SAMPLE NUMBER	TNORTH metres	TEAST metres	DEPTHF metres	DEPTHT metres	CODE	SAMPLR	DATE	QCONT	GRID	KIND	VEGCON	SOIL	UNIT	COLOUR	COMPOS	SLOPE	
T 33311	363447	374142			S524		.		MTD	RC	RNF	R	C	W 2T2U	PEB	4	
T 33312	363431	374161			S524		.		MTD	SL	RNF	R	C	2U2T2A	SIL/SN	2	
T 33313	363417	374180			S524		.		MTD	SL	RNF	R	C	2A2T	SIL/SN	2	
T 33314	363401	374198			S524		.		MTD	RC	RNF	R	C	1A2A3A	PEB	5	
T 33315	363383	374216			S524		.		MTD	RC	RNF	R	C	2A2T1T	PEB	5	
T 33316	363365	374236			S524		.		MTD	SL	RNF	R	BC	2A1T2U	CY/SIL	3	
T 33317	363349	374253			S524		.		MTD	SL	RNF	R	BC	2A3A2T	CY/SIL	2	
T 33318	363332	374272			S524		.		MTD	SL	RNF	R	C	2A2T	SIL/SN	1	
T 33319	363315	374292		1.0	S524		.		MTD	SL	RNF	R	C	2U2T	SIL/SN	2	
T 33321	363299	374310			S524		.		MTD	SL	RNF	R	BC	3A1T3U	CY/SIL	3	
T 33322	363283	374327			S524		.		MTD	SL	RNF	R	C	3A2T3T	SIL/SN	3	
T 33323	363265	374347			S524		.		MTD	SL	RNF	R	C	2T3T2A	SIL/SN	4	
T 33324	363249	374365			S524		.		MTD	SL	RNF	R	C	3A2T3T	SIL/SN	4	
T 33325	363231	374387			S524		.		MTD	RC	RNF	R	C	N 2A3A	PEB	3	
T 33326	363215	374404			S524		.		MTD	SL	RNF	R	C	2T3T2A	SIL/SN	3	
T 33327	363561	374006			S524		.		MTD	SL	RNF	R	C	2A2T	SIL/SN	3	
T 33455	363023	374008			S524		.		MTD	SL	RNF	R	C	2A2T2U	SIL/SN	4	
T 33456	363007	374029			S524		.		MTD	SL	RNF	R	C	2A2T	SIL/SN	5	
T 33457	362989	374052			S524		.		MTD	SL	RNF	R	C	2A2T1T	CY/SIL	4	
T 33458	362976	374068			S524		.		MTD	RC	RNF	R	C	3A	PEB	2	
T 33459	362963	374086			S524		.		MTD	RC	RNF	R	C	2A2T	SIL/SN	3	
T 33461	362945	374108			S524		.		MTD	SL	RNF	R	C	2A 2T	SIL/SN	1	
T 33462	362930	374130		1.0	S524		.		MTD	SL	RNF	R	C	2A 2T	SIL/SN	1	
T 35106	366815	375450			S524	BS/SH	APR.91		RR	SAC		R	C	AU	CY	4	130
T 35107	366815	375440			S524	BS/SH	APR.91		RR	SAC		R	C	A	CY SN	4	100
T 35108	366815	375430			S524	BS/SH	APR.91		RR	SAC		R	C	O	CY	4	210
T 35109	366815	375420			S524	BS/SH	APR.91		RR	SAC		R	C	OU	CY	4	240
T 35110	366815	375410			S524	BS/SH	APR.91		RR	SAC		R	C	OU	CY	4	230
T 35111	366815	375400			S524	BS/SH	APR.91		RR	SAC		R	C	OA	CY	3	220
T 35112	366755	375465			S524	BS/SH	APR.91		RR	SAC		R	C	RU	CY	5	115
T 35113	366755	375455			S524	BS/SH	APR.91		RR	SAC		R	C	UO	CY SIL	4	150
T 35114	366755	375445			S524	BS/SH	APR.91		RR	SAC		R	C	OU	CY SN	3	155
T 35115	366755	375435			S524	BS/SH	APR.91		RR	SAC		R	C	OU	CY	5	160
T 35116	366755	375425			S524	BS/SH	APR.91		RR	SAC		R	C	AO	CY	3	90

Laboratory:
Method :
Det. Limit:

092280

PROJECT: DUNDAS INC. MONTEZUMA

SAMPLE NUMBER	TNORTH metres	TEAST metres	DEPTHF metres	DEPTHT metres	CODE	SAMPLR	DATE	OCONT	GRID	KIND	VEGCON	SOIL	UNIT	COLOUR	COMPOS	SLOPE
T 35117	366755	375415			5524	BS/SH	APR.91		RR	SAC		R	C	UO	CY	3 200
T 35118	366755	375405			5524	BS/SH	APR.91		RR	SAC		R	C	AU	CY	2 190
T 35119	366705	375475			5524	BS/SH	APR.91		RR	SAC		R	C	OA	CY	5 90
T 35121	366705	375465			5524	BS/SH	APR.91		RR	SAC		R	C	3U	CY	4 155
T 35122	366705	375455			5524	BS/SH	APR.91		RR	SAC		R	C	2U	CY SN	4 176
T 35123	366705	375445			5524	BS/SH	APR.91		RR	SAC		R	C	3A	CY SN	4 170
T 35124	366705	375435			5524	BS/SH	APR.91		RR	SAC		R	C	3A	CY SN	4 115
T 35125	366705	375425			5524	BS/SH	APR.91		RR	SAC		R	C	OU	CY	4 120
T 35126	366705	375415			5524	BS/SH	APR.91		RR	SAC		R	C	OU	CY	3 108
T 35127	366705	375405			5524	BS/SH	APR.91		RR	SAC		R	C	OU	CY	3 93
T 35128	366705	375395			5524	BS/SH	APR.91		RR	SAC		R	C	OA	CY SN	2 80
T 35129	366705	375385			5524	BS/SH	APR.91		RR	SAC		R	C	OA	CY SN	2 120
T 35130	366815	375900			5524	BS/SH	APR.91		RR	SAC		R	C	3O	CY	4 269
T 35131	366815	375890			5524	BS/SH	APR.91		RR	SAC		R	C	3A	SN SIL	4 240
T 35132	366815	375880			5524	BS/SH	APR.91		RR	SAC		R	C	3A	SN SIL	3 200
T 35133	366815	375870			5524	BS/SH	APR.91		RR	SAC		R	C	AU	CY SN	4 144
T 35134	366815	375860			5524	BS/SH	APR.91		RR	SAC		R	C	3A	CY	3 185
T 35135	366815	375850			5524	BS/SH	APR.91		RR	SAC		R	C	OA	CY SN	4 168
T 35136	366815	375840			5524	BS/SH	APR.91		RR	SAC		R	C	3A	CY SN	5 100
T 35137	366815	375830			5524	BS/SH	APR.91		RR	SAC		R	C	AU	CY	4 136
T 35138	366815	375820				BS/SH	APR.91		RR	SAC		R	C	AU	CY SN	3 186
T 35139	366815	375810			5524	BS/SH	APR.91		RR	SAC		R	C	YU	CY PEB	2 110
T 35141	366815	375800			5524	SH/BS	APR.91		RR	SAC		R	C	YU	CY	3 150
T 35142	366815	375790			5524	SH/BS	APR.91		RR	SAC		R	C	OU	CY	5 195
T 35143	366815	375780			5524	SH/BS	APR.91		RR	SAC		R	C	3A	CY	4 131
T 35144	366815	375770				SH/BS	APR.91		RR	SAC		R	C	AO	CY	4 127
T 35145	366815	375760			5524	SH/BS	APR.91		RR	SAC		R	C	3O	CY SN	5 155
T 35146	366815	375750			5524	SH/BS	APR.91		RR	SAC		R	C	AO	CY SN	3 78
T 35147	366815	375740			5524	SH/BS	APR.91		RR	SAC		R	C	U	CY	5 290
T 35148	366815	375730			5524	SH/BS	APR.91		RR	SAC		R	C	U	CY	4 105
T 35149	366815	375720			5524	SH/BS	APR.91		RR	SAC		R	C	OU	CY	5 295
T 35701	361700	374330			5524	IRBS	.		AMG	SS				1.5 2		
T 35702	361800	374350			5524	IRBS	.		AMG	SS				0.5 1		
T 35703	361740	374460			5524	IRBS	.		AMG	SS				2.0 3		

Laboratory:
Method :
Det. Limit:

19280

PROJECT: DUNDAS INC. MONTEZUMA

SAMPLE NUMBER	NORTH metres	EAST metres	DEPTHF metres	DEPTHT metres	CODE	SAMPLR	DATE	QCONT	GRID	KIND	VEGCON	SOIL	UNIT	COLOUR	COMPOS	SLOPE
T 35704	362600	374200			5526	JCBS	MAY.91		AMG	SS			M	2	2	025300
	Remark:1st order creek,permanent,steep (dominantly coarse fraction).															
T 35705	362650	374250			5526	JCBS	MAY.91		AMG	SS			M	2.0	1	014500
	Remark:1st ORDER CREEK,STEEP.MODERATE AND COARSE SEDIMENTS.															
T 35706	362500	374220			5526	JCBS	MAY.91		AMG	SS				0.8	2	014500
	Remark:1st ORDER CREEK.															
T 35707	362470	374280			5526	JCBS	MAY.91		AMG	SS				0.8	2	014600
	Remark:1st ORDER CREEK, ROCKY OUTCROP IN BED.															
T 35708	362570	374600			5526	JCBS	MAY.91		AMG	SS				1.5	10	330200
	Remark:2nd ORDER CREEK.															
T 35709	362760	374670			5526	JCBS	MAY.91		AMG	SS				0.8	1	014500
	Remark:1st ORDER CREEK.															
T 35710	362730	374600			5526	JCBS	MAY.91		AMG	SS				1	5	225000
	Remark:2nd ORDER CREEK.															
T 35712	361300	375400			5526	BSNP	MAY.91		AMG	SS				0.3	.5	
	Remark:COARSE SAND.															
T 35713	361320	375480			5526	BSNP	MAY.91		AMG	SS				0.3	2	
	Remark:COARSE SAND.															
T 35714	361400	375370			5526	BSNP	MAY.91		AMG	SS				0.5	1	
	Remark:COARSE SAND.															
T 35715	361460	375430			5526	BSNP	MAY.91		AMG	SS				0.2	2	
	Remark:COARSE SAND															
T 35716	363150	375100			5526	BSNP	MAY.91		AMG	SS				0.5	.7	
	Remark:GRAVEL.															
T 35717	363200	375150			5526	BSNP	MAY.91		AMG	SS				0.2	.4	
	Remark:COARSE SAND/GREYISH WHITE.															
T 35718	363130	375200			5526	BSNP	MAY.91		AMG	SS				0.4	2	
	Remark:GRAVEL.															
T 35719	362400	375110			5526	BSNP	MAY.91		AMG	SS				.5	1	
	Remark:SILTY.															
T 35721	363100	374550			5526	BSNP	AUG.91		AMG	SS				1	2	
	Remark:PEBBLY.															
T 35722	363050	374600			5526	BSNP	AUG.91		AMG	SS				0.3	.3	
	Remark:SANDY.															

Laboratory:
Method :
Det. Limit:

092263

PROJECT: DUNDAS INC. MONTEZUMA

SAMPLE NUMBER	TNORTH metres	TEAST metres	DEPTHF metres	DEPTHT metres	CODE	SAMPLR	DATE	QCONT	GRID	KIND	VEGCON	SOIL	UNIT	COLOUR	COMPOS	SLOPE
T 35723	362970	374470			5526	BSNP	AUG.91		AMG	SS				.2 .6		
	Remark:SAND/SILT.															
T 35724	363570	374370			5526	BSNP	AUG.91		AMG	SS				.2 1		
	Remark:SANDY.															
T 35725	363530	374320			5526	BSNP	AUG.91		AMG	SS				1 2		
	Remark:GRAVELY.															
T 35741	364200	374455			5522	JC	JAN.92		AMG	RC		CONG	Cd	FUFE		
	Remark:Limonitic.															
T 35742	364225	374420			5522	JC	JAN.92		AMG	RC		CONG	Cd	MSPYFU		
	Remark:Limonitic with disseminated pyrite.															
T 35743	364235	374400			5522	JC	JAN.92		AMG	RC		CONG	Cd	FE		
T 35744	364305	374295			5522	JC	JAN.92		AMG	RC		CONG	Cd	FE		
T 35745	364215	374385			5522	JC	JAN.92		AMG	RC		CONG	Cd	CBPY	GLJA	
	Remark:GL-JA-carbonate rich bands(veins?) in CONG.															
T 35746	364250	374310			5522	JC	JAN.92		AMG	RC		CONG		PYCB		
	Remark:101m from start of Moores Pimple walking track (N.end).															
T 35747	364300	374255			5522	JC	JAN.92		AMG	RC		CONG		PY		
	Remark:180m from start of Moores Pimple walking track.															
T 35748	364110	374280			5522	JC	JAN.92		AMG	RC		FALT				
	Remark:Rosebery thrust fault. forming contact between Cong and felsic volc's.															
T 35749	363785	374375			5522	JC	JAN.92		AMG	RC		FELS	Cd	PY		
	Remark:Felsic volcanic with disseminated pyrite.															
T 35750	363710	374470			5522	JC	JAN.92		AMG	RC		FELS	Cd	PY		
T 35751	363890	374230			5522	JC	JAN.92		AMG	RC		FELS		PY		
T 35752	363965	374155			5522	JC	JAN.92		AMG	RC		ROCK		SIFUPY		
T 35753	364010	374120			5522	JC	JAN.92		AMG	RC		CHER		PYFE		
	Remark:Cherty with 10% Pyrite and pyrite boxworks ? altered ultramafic.															
T 35754	364070	374080			5522	JC	JAN.92		AMG	RC		ROCK	Cd	PY		
	Remark:Altered ? felsic rock.															
T 35755	364100	374095			5522	JC	JAN.92		AMG	RC		ROCK		FUPY		
	Remark:V.silicified, fuchsitic, pyritic altered rock(alt U.matic?) goss patch															

Laboratory:
Method :
Det. Limit:

992280

RGC EXPLORATION PTY.LTD. DATA SHEET

PROJECT: DUNDAS INC. MONTEZUMA

SAMPLE NUMBER	NORTH metres	EAST metres	CU PPM	PB PPM	ZN PPM	SN PPM	AU PPB	AG PPM	TA PPM	TH PPM	W PPM	U PPM	YB PPM	RB PPM	SB PPM	AS PPM
T 19347			40	135	530	10	-5	2	2	19.0	7	3	3.0	110	30.2	29
T 19348			185	480	375	3	-5	0	-1	2.0	-2	-2	0.9	38	249.0	59
T 19349			570	580	295	57	-280	-5	-12	-9.6	-120	-90	-5.1	-170		1240
T 19351			60	-5	140	11	-5	0	3	7.2	-2	-2	3.1	29	0.4	-2
T 19352			50	10	115	12	-5	1	1	9.2	-2	-2	2.7	70	0.7	10
T 19353			55	5	140	10	-5	1	1	9.1	-2	-2	3.2	75	1.6	24
T 19354			35	15	105	12	-5	1	2	8.8	-2	-2	3.3	80	1.5	8
T 19355			15	-5	155	9	-5	-0	-1	1.3	-2	-2	-0.5	99	0.8	47
T 25023			70	110	175	40	-5	-0	-1	1.1	12	-2	-0.5	98	6.5	35
T 33218	4200	5000	40	65	105	5	-5	3	1	17.5	30	3	3.6	169	4.6	10
T 33219	4200	5025	35	65	110	13	5	2	1	15.8	31	2	3.5	145	3.2	9
T 33221	4200	5050	25	40	80	7	-5	2	2	14.5	4	2	3.2	133	2.5	16
T 33222	4200	5075	5	5	10	6	-5	1	1	12.8	13	-2	2.9	80	0.9	2
T 33223	4200	5100	25	200	235	8	-5	3	-1	12.7	5	2	3.1	187	3.8	22
T 33224	4200	5125	35	50	205	10	-5	1	1	9.2	8	-2	2.6	67	2.1	15
T 33225	4200	5150	55	30	65	9	-5	4	1	18.3	3	4	3.4	209	9.9	29
T 33226	4200	5175	65	15	125	11	-5	2	1	11.9	2	-2	2.9	266	1.6	8
T 33227	4200	5200	75	220	545	8	-5	3	1	15.9	4	5	2.9	206	12.8	24
T 33228	4200	5225	15	20	60	9	-5	1	-1	12.4	3	-2	2.7	85	3.0	3
T 33229	4200	5250	20	50	115	11	-5	2	-1	6.3	3	-2	1.9	148	3.1	18
T 33230	4200	5275	5	20	45	8	-5	4	1	10.1	3	-2	2.6	225	3.9	3
T 33231	4200	5300	45	70	180	10	-5	2	1	12.0	3	-2	3.3	111	1.8	5
T 33232	4200	5325	10	20	70	9	-5	2	1	13.3	-2	-2	3.2	117	1.5	2
T 33233	4200	5350	35	35	115	4	-5	2	1	13.9	2	-2	2.9	135	3.8	9
T 33234	4200	5375	20	25	105	7	-5	2	1	13.5	15	3	3.0	123	2.8	8
T 33235	4200	5400	20	40	105	12	-5	1	-1	11.2	7	-2	2.8	90	2.3	7
T 33236	4200	5425	10	55	70	9	-5	1	-1	6.0	6	-2	1.6	57	1.5	18
T 33237	4200	5450	25	105	110	12	-5	1	2	15.4	3	-2	3.1	102	2.3	9
T 33238	4200	5475	50	95	30	5	-5	2	-1	11.6	5	-2	2.6	88	1.9	9
T 33239	4200	5500	50	30	85	14	-5	2	1	19.6	-2	3	3.4	110	0.7	5
T 33241	4200	4975	110	175	110	10	-5	3	2	26.1	6	5	3.8	142	10.0	11
T 33242	4200	4950	65	185	530	11	-5	3	1	36.6	-2	2	2.8	171	14.9	41
T 33243	4200	4925	80	85	180	6	-5	2	1	24.8	9	5	3.3	137	17.3	61
T 33244	4200	4900	45	425	665	6	-5	2	1	6.2	8	3	3.2	140	32.7	150
T 33245	4200	4875	25	10	60	3	-5	2	1	6.3	5	-2	3.2	131	1.4	2

Laboratory:	ANALAB	ANALAB	ANALAB	ANALAB	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ
Method :	101	101	101	401	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30
Det. Limit:	5.000	5.000	5.000	3.000	5.000	5.000	1.000	0.500	2.000	2.000	0.500	1.000	0.200	2.000

08296

PROJECT: DUNDAS INC. MONTEZUMA

SAMPLE NUMBER	NORTH metres	EAST metres	CU PPM	PB PPM	ZN PPM	SN PPM	AU PPB	AG PPM	TA PPM	TH PPM	W PPM	U PPM	YB PPM	RB PPM	SB PPM	AS PPM
T 33246	4200	4850	35	105	150	-3	-5	0	-1	3.1	2	-2	1.3	54	38.3	179
T 33247	4200	4825	35	15	215	9	-5	0	3	6.4	-2	-2	3.8	65	1.3	7
T 33248	4200	4800	80	300	205	6	-5	1	1	5.1	-2	-2	2.3	81	19.2	65
T 33249	4200	4775	60	20	125	11	-5	1	2	7.6	-2	-2	3.9	100	2.2	7
T 33250	4200	4750	75	50	145	5	-5	1	2	6.0	-2	-2	3.1	91	4.9	40
T 33251	4200	4725	160	60	160	8	-5	1	3	8.3	-2	-2	3.6	116	2.8	36
T 33252	4200	4700	45	10	75	3	-5	1	-1	6.5	-2	-2	2.8	115	2.5	3
T 33253	4200	4675	175	-5	95	8	-5	1	1	5.8	-2	-2	2.8	73	2.6	8
T 33254	4200	4650	45	25	110	5	-5	1	1	4.4	-2	-2	2.0	84	0.8	3
T 33255	4200	4625	30	10	55	7	-5	1	-1	7.0	-2	-2	2.4	62	1.2	4
T 33256	4200	4600	70	-5	95	12	7	1	1	5.1	-2	-2	2.5	48	2.5	7
T 33257	4200	4575	25	-5	60	8	-5	0	1	4.8	3	-2	1.9	47	1.4	7
T 33258	4200	4550	20	-5	110	12	-5	2	1	7.2	-2	-2	2.3	125	4.7	4
T 33259	4200	4525	35	-5	100	5	-5	0	-1	5.6	3	-2	2.1	46	0.6	-2
T 33261	4200	4500	15	30	95	7	-5	1	-1	3.1	-2	-2	2.8	71	2.7	11
T 33262	4800	5000	45	5	90	9	-5	1	1	7.3	-2	-2	2.6	90	1.0	-2
T 33263	4800	5025	20	30	30	5	-5	2	1	20.9	-2	4	3.2	120	4.8	10
T 33264	4800	5050	20	25	40	6	-5	1	1	11.6	-2	-2	2.1	92	7.7	44
T 33265	4800	5075	215	75	150	10	-5	1	-1	5.6	-2	-2	3.1	83	15.9	25
T 33266	4800	5100	10	10	15	7	-5	2	1	27.8	-2	2	2.7	97	2.6	15
T 33267	4800	5125	10	215	210	4	-5	2	1	23.2	2	3	2.7	124	2.7	6
T 33268	4800	5150	240	35	305	6	-5	2	1	49.4	-2	-2	3.8	153	62.1	81
T 33269	4800	5175	10	15	20	8	-5	3	1	22.8	2	6	3.2	150	1.7	-2
T 33270	4800	5200	5	10	30	5	-5	1	-1	12.0	-2	2	1.5	64	1.3	5
T 33271	4800	5225	10	10	40	8	-5	2	1	25.0	2	-2	2.4	105	0.9	-2
T 33272	4800	5250	80	530	760	12	-5	1	2	11.8	-2	4	3.6	79	18.1	15
T 33273	4800	5275	15	25	115	13	-5	1	-1	13.8	2	-2	3.2	110	2.3	13
T 33274	4800	5300	30	25	60	16	-5	2	1	13.1	-2	2	3.1	160	3.1	54
T 33275	4800	5325	25	30	80	11	-5	3	1	13.8	-2	-2	2.6	186	4.7	22
T 33276	4800	5350	15	30	90	-3	-5	3	1	13.1	-2	2	2.7	183	6.3	25
T 33277	4800	5375	10	25	45	8	-5	1	1	11.9	3	-2	2.9	76	1.3	5
T 33278	4800	5400	-5	5	15	4	-5	1	1	11.2	2	-2	2.4	47	0.6	-2
T 33279	4800	5425	35	30	130	8	-5	1	1	12.3	-2	3	2.9	120	3.3	10
T 33281	3800	5450	20	30	95	9	-5	2	1	13.2	-2	-2	2.9	118	2.2	11
T 33282	3800	5475	10	20	70	8	-5	1	-1	13.6	-2	-2	2.7	88	1.8	12
Laboratory:			ANALAB	ANALAB	ANALAB	ANALAB	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ
Method :			101	101	101	401	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30
Det. Limit:			5.000	5.000	5.000	3.000	5.000	5.000	1.000	0.500	2.000	2.000	0.500	1.000	0.200	2.000

8926280

PROJECT: DUNDAS INC. MONTEZUMA

SAMPLE NUMBER	NORTH metres	EAST metres	CU PPM	PB PPM	ZN PPM	SN PPM	AU PPB	AG PPM	TA PPM	TH PPM	W PPM	U PPM	YB PPM	RB PPM	SB PPM	AS PPM
T 33283	3800	5500	25	45	245	6	-5	0	1	7.6	-2	-2	2.3	61	1.2	9
T 33284	3800	5525	55	55	100	7	-5	2	2	14.0	-2	-2	2.8	116	3.9	12
T 33285	3800	5550	135	55	190	7	-5	1	-1	0.7	-2	-2	1.8	90	2.9	10
T 33286	3800	5575	25	20	110	8	-5	1	-1	0.8	-2	-2	1.8	79	1.0	4
T 33287	3800	5600	25	30	175	8	-5	0	-1	4.9	-2	-2	1.0	25	2.6	9
T 33288	3800	5625	25	55	115	9	-5	2	-1	2.9	-2	-2	0.5	127	4.5	26
T 33289	3800	5650	65	75	85	8	-5	0	-1	4.9	-2	-2	0.8	41	6.9	29
T 33290	3800	5675	65	25	190	-3	-5	1	-1	2.2	-2	-2	1.1	69	3.2	17
T 33291	3800	5700	25	10	65	4	-5	1	-1	-0.5	-2	-2	1.8	71	0.9	5
T 33292	3800	5725	40	65	245	4	-5	-0	-1	2.5	-2	-2	-0.5	52	5.6	28
T 33293	3800	5750	25	65	250	-3	-5	0	-1	6.0	-2	-2	0.8	76	4.2	30
T 33294	3800	5775	30	125	160	5	-5	1	-1	10.1	-2	2	1.4	87	5.9	28
T 33295	3800	5800	30	135	285	8	-5	1	1	8.3	-2	-2	1.7	104	7.8	71
T 33296	3800	5825	10	15	165	9	-5	2	2	9.3	-2	-2	3.8	134	2.1	10
T 33297	3800	5850	35	25	120	8	-5	1	1	8.8	-2	-2	2.4	93	5.4	56
T 33298	3800	5875	65	35	135	8	-5	2	1	12.6	-2	-2	2.8	79	6.6	24
T 33305	3400	5000	10	5	15	-3	-5	2	2	29.7	-2	2	2.8	96	0.8	-2
T 33306	3400	5025	5	5	15	5	-5	4	1	34.1	-2	-2	5.1	152	1.3	-2
T 33307	3400	5050	10	10	15	8	-5	3	1	21.0	-2	3	3.7	99	1.6	-2
T 33308	3400	5075	-5	5	15	5	-5	1	1	14.7	-2	2	3.4	67	1.5	2
T 33309	3400	5100	15	20	15	10	-5	3	-1	23.8	-2	8	2.8	115	3.5	7
T 33310	3400	5125	30	10	15	14	-5	4	2	36.1	-2	12	5.3	198	3.4	7
T 33311	3400	5150	25	10	60	8	-5	0	1	23.1	2	3	2.5	22	4.0	7
T 33312	3400	5175	40	30	100	7	-5	4	1	16.1	-2	2	3.6	200	10.7	34
T 33313	3400	5200	50	20	100	13	-5	3	1	16.1	-2	2	3.5	202	2.4	17
T 33314	3400	5225	10	10	50	11	-5	2	1	17.6	-2	-2	4.0	138	2.4	5
T 33315	3400	5250	45	55	50	4	6	3	1	16.4	-2	-2	3.3	199	12.6	58
T 33316	3400	5275	30	35	65	8	-5	3	1	12.6	-2	-2	2.7	160	4.9	25
T 33317	3400	5300	25	40	40	11	-5	3	1	14.7	-2	-2	3.3	232	6.1	10
T 33318	3400	5325	80	35	45	-3	13	4	-1	15.0	-2	-2	3.2	210	11.6	70
T 33319	3400	5350	35	25	90	11	-5	3	1	17.2	-2	2	3.8	160	5.6	13
T 33321	3400	5375	10	25	20	11	-5	2	1	15.1	-2	2	3.4	139	2.4	9
T 33322	3400	5400	350	45	100	9	-5	3	-1	12.2	-2	2	2.3	179	14.0	62
T 33323	3400	5425	35	55	145	10	-5	3	1	20.3	-2	-2	4.2	184	3.1	14
T 33324	3400	5450	40	100	75	5	-5	3	-1	16.6	-2	2	2.8	177	3.9	19
Laboratory:			ANALAB	ANALAB	ANALAB	ANALAB	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ
Method :			101	101	101	401	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30
Det. Limit:			5.000	5.000	5.000	3.000	5.000	5.000	1.000	0.500	2.000	2.000	0.500	1.000	0.200	2.000

0 8 2 2 6 9

RGC EXPLORATION PTY.LTD. DATA SHEET

PROJECT: DUNDAS INC. MONTEZUMA

SAMPLE NUMBER	NORTH metres	EAST metres	CU PPM	PB PPM	ZN PPM	SN PPM	AU PPB	AG PPM	TA PPM	TH PPM	W PPM	U PPM	YB PPM	RB PPM	SB PPM	AS PPM
T 33325	3400	5475	30	110	170	7	-5	3	1	14.9	-2	-2	2.9	211	4.2	34
T 33326	3400	5500	35	35	115	12	-5	3	1	14.9	-2	2	2.8	190	2.9	20
T 33327	3400	4975	15	-5	75	15	-5	2	2	12.7	-2	-2	4.6	121	3.6	8
T 33455	3000	5350	15	35	40	5	-5	3	1	14.2	-2	-2	3.2	174	2.8	13
T 33456	3000	5375	25	30	60	14	-5	3	1	15.5	-2	3	3.4	166	4.9	11
T 33457	3000	5400	10	20	50	11	-5	2	1	13.4	-2	-2	2.7	100	1.9	6
T 33458	3000	5425	15	45	65	5	-5	2	2	17.2	-2	-2	3.8	129	1.9	9
T 33459	3000	5450	25	30	110	12	-5	2	2	17.8	-2	3	4.0	123	1.4	7
T 33461	3000	5475	20	350	140	11	-5	2	2	12.7	-2	-2	2.7	119	2.7	4
T 33462	3000	5500	30	80	130	16	-5	3	1	13.2	-2	-2	3.0	168	2.1	8
T 35106	6800	8110	5	25	65	8	-5	1	1	15.1	-2	-2	3.4	90	16.7	12
T 35107	6800	8100	25	30	15	7	-5	3	-1	12.9	-2	3	2.5	157	13.8	12
T 35108	6800	8090	20	40	35	3	-5	1	1	12.3	-2	-2	2.7	134	7.6	17
T 35109	6800	8080	25	35	45	4	-5	2	1	12.6	-2	2	2.7	136	5.6	17
T 35110	6800	8070	25	55	35	4	-5	1	1	12.0	-2	-2	2.8	130	16.5	14
T 35111	6800	8060	20	40	50	4	-5	0	1	10.4	-2	-2	2.9	71	2.1	9
T 35112	6740	8120	70	150	45	6	-5	1	-1	11.7	6	2	1.9	53	201.0	81
T 35113	6740	8110	395	1000	110	14	-10	4	-1	9.5	-2	-5	0.8	111	1890.0	130
T 35114	6740	8100	50	210	75	5	-5	1	1	14.7	-2	-2	3.1	81	179.0	34
T 35115	6740	8090	45	335	85	11	-5	2	-1	11.9	-2	-2	2.9	136	147.0	27
T 35116	6740	8080	15	45	35	3	-5	1	1	11.5	-2	-2	2.5	126	36.9	17
T 35117	6740	8070	10	35	20	-3	-5	0	1	9.3	-2	-2	2.2	71	5.1	12
T 35118	6740	8060	10	15	10	-3	-5	1	2	10.6	-2	-2	2.6	98	5.1	11
T 35119	6690	8120	5	140	30	7	-5	1	1	13.7	4	2	2.3	93	30.0	60
T 35121	6690	8110	10	325	65	5	-5	1	1	14.9	7	4	2.3	98	52.7	75
T 35122	6690	8100	25	170	20	4	-5	0	-1	10.7	8	-2	2.1	26	113.0	59
T 35123	6690	8090	25	65	45	4	-5	0	-1	10.6	8	2	2.0	38	22.3	41
T 35124	6690	8080	90	335	145	7	-5	1	1	9.1	6	3	2.7	61	353.0	163
T 35125	6690	8070	65	305	60	-3	-5	1	1	14.0	4	4	2.2	101	156.0	133
T 35126	6690	8060	90	645	95	8	-5	1	1	11.8	4	-2	1.6	80	346.0	160
T 35127	6690	8060	120	750	300	9	-5	1	-1	13.3	5	-2	2.1	97	381.0	147
T 35128	6690	8040	25	335	145	4	-5	2	-1	13.4	-2	3	3.5	161	79.5	42
T 35129	6690	8030	20	125	120	4	-5	1	-1	8.5	-2	-2	2.9	64	28.6	28
T 35130			5	185	30	6	-5	1	-1	12.0	-2	2	2.7	114	18.6	10
T 35131			5	105	15	5	-5	2	-1	13.9	-2	3	2.9	106	4.1	-2
Laboratory:			ANALAB	ANALAB	ANALAB	ANALAB	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ
Method :			101	101	101	401	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30
Det. Limit:			5.000	5.000	5.000	3.000	5.000	5.000	1.000	0.500	2.000	2.000	0.500	1.000	0.200	2.000

08270

PROJECT: DUNDAS INC. MONTEZUMA

SAMPLE NUMBER	NORTH metres	EAST metres	CU PPM	PB PPM	ZN PPM	SN PPM	AU PPB	AG PPM	TA PPM	TH PPM	W PPM	U PPM	YB PPM	RB PPM	SB PPM	AS PPM
T 35132			-5	260	10	4	-5	1	1	8.4	-2	-2	2.0	87	4.8	-2
T 35133			5	65	45	3	-5	0	1	9.1	-2	2	2.3	36	15.5	11
T 35134			5	40	10	-3	-5	0	1	9.4	-2	2	2.4	47	7.9	2
T 35135			5	35	5	4	-5	1	1	12.1	3	-2	2.3	93	13.0	-2
T 35136			5	60	15	3	-5	1	1	15.4	-2	2	3.1	117	5.2	-2
T 35137			15	85	40	-3	-5	1	1	11.8	2	-2	2.3	127	34.0	12
T 35138			5	35	10	-3	-5	0	1	16.3	-2	2	3.2	37	5.5	-2
T 35139			20	135	80	-3	-5	2	1	12.0	-2	-2	2.5	162	66.0	35
T 35141			10	45	30	3	-5	2	1	10.8	2	-2	2.2	150	106.0	25
T 35142			5	25	20	3	-5	3	1	11.9	-2	2	2.3	195	20.4	4
T 35143			5	40	20	5	-5	1	1	13.6	2	2	2.7	113	18.3	7
T 35144			5	25	10	-3	-5	1	1	14.0	3	2	2.5	93	6.1	2
T 35145			5	50	15	5	-5	1	1	13.9	3	3	2.4	96	34.9	7
T 35146			5	15	10	8	-5	1	1	13.2	4	-2	2.4	76	92.1	23
T 35147			10	85	25	4	-5	2	-1	10.2	-2	3	2.1	117	89.5	35
T 35148			30	255	290	-3	-10	2	-1	11.0	-2	-2	1.2	120	915.0	150
T 35149			20	130	75	4	-5	2	1	12.6	2	-2	2.0	113	119.0	54
T 35701							7	-5	1	13.2	339	2	2.6	60	0.9	6
T 35702							-5	-5	1	11.3	539	-2	2.9	86	1.0	7
T 35703							-5	-5	-1	7.3	47	-2	1.9	71	1.3	17
T 35704							31	-5	1	13.3	462	2	2.5	93	1.8	14
T 35705							-5	-5	1	15.0	21	2	3.0	112	1.5	9
T 35706							-5	-5	-1	13.0	22	2	2.2	118	1.9	19
T 35707							-5	-5	1	14.5	10	2	3.1	111	1.7	15
T 35708							-5	-5	-1	12.8	26	2	2.4	100	1.8	14
T 35709							-5	-5	1	12.9	5	2	2.6	108	1.9	18
T 35710							-5	-5	1	12.3	25	2	2.4	91	3.2	22
T 35712							-5	-5	1	13.6	5	2	2.7	107	0.9	6
T 35713							-5	-5	1	14.3	14	3	2.9	99	1.1	12
T 35714							-5	-5	1	13.3	13	2	3.2	106	1.0	13
T 35715							-5	-5	1	13.0	7	2	3.5	85	1.0	8
T 35716							-5	-5	-1	13.5	19	2	2.7	91	2.1	31
T 35717							-5	-5	1	12.7	4	2	2.7	61	0.8	2
T 35718							-5	-5	1	13.9	3	2	2.9	85	1.6	16
T 35719							-5	-5	-1	12.3	5	2	2.6	101	2.0	28
Laboratory:			ANALAB	ANALAB	ANALAB	ANALAB	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ
Method :			101	101	101	401	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30
Det. Limit:			5.000	5.000	5.000	3.000	5.000	5.000	1.000	0.500	2.000	2.000	0.500	1.000	0.200	2.000

12280

PROJECT: DUNDAS INC. MONTEZUMA

SAMPLE NUMBER	NORTH metres	EAST metres	CU PPM	PB PPM	ZN PPM	SN PPM	AU PPB	AG PPM	TA PPM	TH PPM	W PPM	U PPM	YB PPM	RB PPM	SB PPM	AS PPM
T 35721							-5	-5	1	11.7	3	-2	2.6	95	3.2	22
T 35722							-5	-5	1	14.6	7	2	3.2	98	2.1	14
T 35723							-5	-5	1	14.4	-2	2	2.6	113	1.7	11
T 35724							-5	-5	1	12.9	4	2	2.5	88	3.9	25
T 35725							-5	-5	1	12.7	2	2	3.0	93	5.4	32
T 35741			32	77	33	6	-5	-5	1	6.0	-2	6	4.2	92	18.2	18
T 35742			114	11	93	5	-5	-5	-1	-0.5	-2	-2	1.6	42	2.5	16
T 35743			68	20	273	5	-5	-5	2	6.6	-2	-2	3.7	66	1.5	5
T 35744			17	-5	86	7	-5	-5	1	5.3	-2	-2	2.8	61	0.8	-1
T 35745			65	1980	2580	10	6	-5	-1	3.8	-2	-2	2.1	68	47.2	161
T 35746			106	-5	90	5	-5	-5	1	4.9	-2	-2	3.0	45	1.6	4
T 35747			8	-5	114	7	-5	-5	-1	5.1	-2	-2	2.9	56	0.4	1
T 35748			40	370	143	4	-5	-5	1	17.9	-2	4	2.8	96	8.3	30
T 35749			105	57	153	10	-5	-5	-1	19.8	-2	2	2.5	100	3.9	17
T 35750			-5	20	58	9	-5	-5	2	20.2	-2	5	2.5	51	1.2	3
T 35751			27	6	51	9	-5	-5	-1	-0.5	-2	-2	1.0	97	0.2	1
T 35752			73	-5	66	8	-5	-5	-1	-0.5	-2	-2	-0.5	44	0.8	3
T 35753			8	12	69	5	-5	-5	-1	-0.5	-2	-2	-0.5	-20	1.0	16
T 35754			121	-5	106	7	-5	-5	2	4.7	-2	-2	3.5	81	0.7	7
T 35755			-5	28	119	3	-5	-5	-1	-0.5	-2	-2	-0.5	-20	1.6	3
Laboratory:			ANALAB	ANALAB	ANALAB	ANALAB	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ
Method :			101	101	101	401	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30
Det. Limit:			5.000	5.000	5.000	3.000	5.000	5.000	1.000	0.500	2.000	2.000	0.500	1.000	0.200	2.000

0822

RGC EXPLORATION PTY.LTD. DATA SHEET

PROJECT: DUNDAS INC. MONTEZUMA

SAMPLE NUMBER	NORTH metres	EAST metres	BA PPM	MO PPM	LU PPM	BR PPM	CE PPM	CS PPM	CR PPM	CO PPM	EU PPM	HF PPM	FE %	LA PPM	IR PPB	SM PPM	SC PPM
T 19347			660	-5	0.6	3	89	14	73	20	1	5	5.95	49.0	-20	6.6	12.5
T 19348			-100	-5	0.3	14	10	-1	12	31	0	-1	10.20	6.1	-20	1.7	1.7
T 19349			-2500	-180	-5.0	-110	-39	-9	-120	-9	-5	-6	27.10	21.0	-270	2.0	2.9
T 19351			250	-5	0.6	-2	54	2	180	37	1	6	7.87	28.0	-20	7.9	26.2
T 19352			280	-5	0.5	3	57	4	170	13	1	5	5.99	29.0	-20	6.4	22.5
T 19353			220	-5	0.6	-2	60	4	170	23	1	5	6.90	31.0	-20	7.9	24.8
T 19354			110	-5	0.6	7	78	4	210	22	2	7	11.50	43.0	-20	8.8	30.9
T 19355			-100	-5	-0.2	23	6	1	50	38	-0	-1	45.10	3.8	-20	1.0	4.5
T 25023			-100	-9	-0.2	2	-2	-1	7	5	-0	-1	55.60	0.6	-20	0.6	5.0
T 33218	4200	5000	626	-5	0.7	3	89	8	109	3	1	6	1.41	46.7	-20	7.8	14.9
T 33219	4200	5025	550	-5	0.7	5	82	7	210	7	1	6	2.36	41.8	-20	7.9	17.5
T 33221	4200	5050	374	-5	0.6	6	79	5	268	7	0	6	2.86	41.4	-20	7.6	16.8
T 33222	4200	5075	276	-5	0.6	2	72	3	82	-1	0	6	0.50	37.3	-20	6.7	9.2
T 33223	4200	5100	569	-5	0.6	5	73	8	133	3	0	5	2.99	36.6	-20	7.0	17.0
T 33224	4200	5125	160	-5	0.5	5	66	3	572	20	1	5	5.93	33.2	-20	6.8	18.8
T 33225	4200	5150	605	-5	0.7	-2	107	10	160	3	1	6	4.00	56.4	-20	9.2	23.0
T 33226	4200	5175	401	-5	0.6	-2	73	7	224	27	1	5	5.04	36.7	-20	7.6	21.4
T 33227	4200	5200	567	-5	0.6	8	95	9	291	5	1	6	2.54	50.9	-20	8.4	24.1
T 33228	4200	5225	293	-5	0.5	7	81	3	325	7	1	6	2.25	41.8	-20	7.1	11.7
T 33229	4200	5250	554	-5	0.4	5	51	4	153	8	1	4	3.90	27.2	-20	5.4	26.8
T 33230	4200	5275	836	-5	0.5	4	70	9	229	-1	0	6	0.85	37.2	-20	5.9	21.3
T 33231	4200	5300	342	-5	0.7	-2	75	5	204	34	1	5	6.17	39.3	-20	7.9	21.0
T 33232	4200	5325	390	-5	0.6	6	89	4	198	7	1	6	2.75	46.8	-20	8.4	16.9
T 33233	4200	5350	391	-5	0.6	5	83	6	246	14	1	6	3.75	43.7	-20	7.9	19.0
T 33234	4200	5375	454	-5	0.5	4	79	5	241	13	1	6	3.78	41.8	-20	7.5	18.4
T 33235	4200	5400	306	-5	0.6	5	76	5	373	21	1	6	4.13	38.8	-20	7.3	16.1
T 33236	4200	5425	174	-5	0.3	5	48	2	507	5	0	4	2.71	25.5	-20	4.5	10.5
T 33237	4200	5450	658	-5	0.6	5	85	5	154	7	1	6	2.93	44.4	-20	8.0	15.4
T 33238	4200	5475	477	-5	0.5	8	74	4	253	4	1	6	2.25	39.0	-20	6.9	14.1
T 33239	4200	5500	871	-5	0.7	3	94	8	81	6	1	6	2.14	51.5	-20	8.1	14.6
T 33241	4200	4975	640	-5	0.7	2	150	10	104	6	1	7	2.26	80.7	-20	11.0	7.4
T 33242	4200	4950	651	-5	0.5	13	367	10	1200	20	5	12	10.10	177.0	-20	29.5	30.9
T 33243	4200	4925	380	-5	0.7	2	211	8	195	6	3	9	4.63	111.0	-20	17.5	20.6
T 33244	4200	4900	849	-5	0.6	3	55	11	284	10	1	4	7.51	26.1	-20	6.1	26.4
T 33245	4200	4875	332	-5	0.6	2	55	5	284	19	1	4	4.72	27.9	-20	5.6	36.6
Laboratory:			BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ
Method :			INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30
Det. Limit:			1.000	5.000	0.100	2.000	5.000	1.000	5.000	1.000	1.000	1.000	0.050	0.500	1.000	0.100	0.100

C 22680

PROJECT: DUNDAS INC. MONTEZUMA

AMPLE UMBER	NORTH metres	EAST metres	BA PPM	MO PPM	LU PPM	BR PPM	CE PPM	CS PPM	CR PPM	CO PPM	EU PPM	HF PPM	FE %	LA PPM	IR PPB	SM PPM	SC PPM
33246	4200	4850	199	-5	0.2	22	24	3	373	79	0	2	19.40	10.9	-20	2.6	10.4
33247	4200	4825	286	-5	0.7	2	76	4	343	50	2	7	15.60	36.8	-20	10.9	37.9
33248	4200	4800	501	-5	0.4	14	46	7	257	88	1	4	11.60	22.0	-20	5.1	20.5
33249	4200	4775	443	-5	0.7	3	76	7	252	44	2	7	6.29	36.0	-20	9.5	30.8
33250	4200	4750	790	-5	0.6	-2	70	10	360	34	2	5	11.60	32.4	-20	9.0	34.3
33251	4200	4725	896	-5	0.7	4	76	11	795	78	2	6	12.70	32.7	-20	10.4	45.2
33252	4200	4700	619	-5	0.5	-2	58	7	386	26	1	5	6.96	26.7	-20	5.6	33.2
33253	4200	4675	332	-5	0.5	3	47	6	358	23	1	4	10.30	22.1	-20	5.9	34.3
33254	4200	4650	539	-5	0.3	7	38	4	313	110	1	3	10.70	16.3	-20	5.0	26.4
33255	4200	4625	231	-5	0.5	3	39	4	284	22	1	4	4.99	18.9	-20	4.9	20.7
33256	4200	4600	351	-5	0.4	5	45	4	418	70	1	4	7.34	21.1	-20	5.8	30.5
33257	4200	4575	168	-5	0.3	6	34	3	336	15	0	4	5.57	16.2	-20	3.6	12.6
33258	4200	4550	852	-5	0.5	-2	52	5	316	53	1	3	6.72	27.8	-20	6.2	24.6
33259	4200	4525	435	-5	0.5	2	43	2	249	31	1	3	6.29	23.1	-20	5.4	24.0
33261	4200	4500	494	-5	0.6	5	20	7	165	25	0	1	8.74	10.1	-20	2.5	38.6
33262	4800	5000	491	-5	0.5	-2	49	4	266	23	0	5	5.73	26.1	-20	5.9	28.4
33263	4800	5025	338	-5	0.7	2	112	4	211	6	1	6	1.11	63.5	-20	9.0	7.4
33264	4800	5050	310	-5	0.5	13	66	5	1030	7	0	3	2.73	37.3	-20	5.0	10.3
33265	4800	5075	246	-5	0.7	2	29	8	1500	29	0	2	5.81	15.5	-20	3.4	37.3
33266	4800	5100	363	-5	0.6	2	103	3	74	1	-0	3	0.91	59.2	-20	6.9	2.6
33267	4800	5125	188	-5	0.6	-2	103	4	19	1	1	4	0.75	58.2	-20	7.9	2.4
33268	4800	5150	198	-5	1.0	4	528	22	1930	17	12	18	9.37	288.0	-20	56.1	57.3
33269	4800	5175	294	-5	0.7	-2	111	5	43	-1	0	6	0.54	65.0	-20	6.1	5.8
33270	4800	5200	117	-5	0.3	2	57	3	15	2	-0	2	0.94	32.5	-20	4.5	1.1
33271	4800	5225	209	-5	0.5	-2	109	4	16	-1	1	4	0.94	63.8	-20	7.1	1.8
33272	4800	5250	306	-5	0.7	6	67	4	81	7	1	4	5.87	37.5	-20	6.9	11.9
33273	4800	5275	374	-5	0.7	5	83	5	161	11	1	8	4.93	45.3	-20	8.5	15.2
33274	4800	5300	515	-5	0.6	18	78	6	132	7	1	5	5.75	42.1	-20	7.6	19.1
33275	4800	5325	737	-5	0.6	11	80	11	132	13	1	6	4.26	42.9	-20	7.6	19.6
33276	4800	5350	712	-5	0.6	8	75	8	140	2	1	5	2.51	40.4	-20	7.4	17.1
33277	4800	5375	265	-5	0.6	29	85	4	143	4	1	6	1.95	46.5	-20	8.3	13.3
33278	4800	5400	215	-5	0.5	2	58	2	52	-1	0	5	0.34	32.5	-20	5.8	7.1
33279	4800	5425	290	-5	0.6	5	73	5	317	13	1	5	5.14	40.0	-20	7.8	20.1
33281	3800	5450	412	-5	0.6	6	73	5	241	11	1	6	3.99	40.1	-20	7.5	16.9
33282	3800	5475	507	-5	0.6	12	78	4	199	7	1	6	3.26	41.8	-20	7.3	13.6
boratory:			BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ
thod :			INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30
t. Limit:			1.000	5.000	0.100	2.000	5.000	1.000	5.000	1.000	1.000	1.000	0.050	0.500	1.000	0.100	0.100

022674

PROJECT: DUNDAS INC. MONTEZUMA

SAMPLE NUMBER	NORTH metres	EAST metres	BA PPM	MO PPM	LU PPM	BR PPM	CE PPM	CS PPM	CR PPM	CO PPM	EU PPM	HF PPM	FE %	LA PPM	IR PPB	SM PPM	SC PPM
T 33283	3800	5500	223	-5	0.5	21	51	2	356	19	1	4	6.14	26.9	-20	5.4	21.5
T 33284	3800	5525	366	-5	0.6	2	76	6	1030	33	1	4	4.93	42.3	-20	6.9	29.2
T 33285	3800	5550	190	-5	0.3	9	7	6	269	117	-0	-1	14.60	3.2	-20	1.6	47.1
T 33286	3800	5575	224	-5	0.3	5	2	6	182	73	-0	-1	9.06	1.3	-20	1.1	48.2
T 33287	3800	5600	132	-5	0.3	6	27	2	11900	47	0	1	4.68	13.6	-20	2.4	23.5
T 33288	3800	5625	449	-5	-0.2	6	14	8	3160	56	-0	1	4.63	7.6	-20	1.3	37.3
T 33289	3800	5650	-100	-5	-0.2	4	21	3	2240	22	-0	1	3.91	12.3	-20	2.0	12.7
T 33290	3800	5675	407	-5	-0.2	15	12	3	2170	272	-0	-1	17.30	5.7	-20	1.4	27.8
T 33291	3800	5700	306	-5	0.3	2	2	3	128	20	-0	-1	5.13	0.7	-20	0.8	41.1
T 33292	3800	5725	187	-5	-0.2	9	10	-1	2570	357	-0	-1	25.70	4.9	-20	1.0	4.3
T 33293	3800	5750	329	-5	-0.2	10	41	-1	1830	601	-0	1	24.30	20.4	-20	2.9	6.9
T 33294	3800	5775	343	-5	0.3	13	45	4	2120	124	0	2	7.15	22.3	-20	3.0	11.8
T 33295	3800	5800	264	-5	0.3	14	55	4	1360	253	0	3	15.30	27.6	-20	5.2	13.1
T 33296	3800	5825	363	-5	0.7	2	73	2	390	57	2	6	10.20	38.5	-20	10.2	26.5
T 33297	3800	5850	261	-5	0.5	16	58	2	839	54	1	5	13.10	30.9	-20	6.4	14.5
T 33298	3800	5875	429	-5	0.5	2	75	5	1680	46	1	5	5.36	37.6	-20	7.2	19.8
T 33305	3400	5000	456	-5	0.5	2	53	10	33	-1	-0	6	0.32	27.1	-20	4.1	2.5
T 33306	3400	5025	535	-5	1.1	-2	98	17	8	-1	0	12	0.59	55.6	-20	6.0	3.0
T 33307	3400	5050	611	-5	0.8	-2	146	6	43	-1	1	7	0.40	79.9	-20	10.8	4.1
T 33308	3400	5075	278	-5	0.7	3	114	5	49	-1	1	5	0.76	63.3	-20	8.1	3.5
T 33309	3400	5100	227	-15	0.5	-2	108	6	31	2	1	5	1.04	59.4	-20	8.7	4.1
T 33310	3400	5125	646	-23	1.1	2	173	12	20	1	1	10	0.58	94.5	-20	11.5	6.1
T 33311	3400	5150	-100	-5	0.5	2	116	1	21	4	1	4	1.26	66.7	-20	6.7	2.0
T 33312	3400	5175	733	-5	0.7	9	94	8	149	21	1	6	4.56	49.2	-20	9.0	22.3
T 33313	3400	5200	693	-5	0.7	11	94	9	173	16	1	7	5.47	49.1	-20	8.8	23.1
T 33314	3400	5225	613	-5	0.8	2	111	5	27	5	1	7	2.66	55.7	-20	10.5	12.9
T 33315	3400	5250	698	-5	0.7	9	94	9	149	42	1	6	4.38	51.1	-20	7.9	22.7
T 33316	3400	5275	639	-5	0.5	40	78	7	119	8	1	5	5.79	40.9	-20	7.2	18.8
T 33317	3400	5300	618	-5	0.7	6	95	13	129	1	1	7	1.15	48.9	-20	9.1	21.7
T 33318	3400	5325	752	-5	0.6	8	79	9	148	17	1	5	7.56	42.1	-20	7.2	23.5
T 33319	3400	5350	637	-5	0.7	9	102	7	104	11	1	8	5.07	53.5	-20	9.7	18.2
T 33321	3400	5375	430	-5	0.7	20	113	6	75	1	1	7	1.56	58.2	-20	10.5	14.6
T 33322	3400	5400	607	-5	0.4	7	64	7	130	5	1	4	4.51	33.2	-20	6.1	17.9
T 33323	3400	5425	816	-5	0.8	9	124	7	75	7	1	9	3.05	62.0	-20	11.5	20.2
T 33324	3400	5450	698	-5	0.6	18	91	7	127	2	1	5	5.38	47.6	-20	7.9	21.6
Laboratory:			BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ
Method :			INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30
Det. Limit:			1.000	5.000	0.100	2.000	5.000	1.000	5.000	1.000	1.000	1.000	0.050	0.500	1.000	0.100	0.100

G22280

PROJECT: DUNDAS INC. MONTEZUMA

SAMPLE NUMBER	NORTH metres	EAST metres	BA PPM	MO PPM	LU PPM	BR PPM	CE PPM	CS PPM	CR PPM	CO PPM	EU PPM	HF PPM	FE %	LA PPM	IR PPB	SM PPM	SC PPM
33325	3400	5475	732	-5	0.6	2	98	8	142	156	1	7	5.11	46.8	-20	8.9	24.7
33326	3400	5500	766	-5	0.6	13	86	8	168	3	1	6	5.90	43.3	-20	7.7	25.3
33327	3400	4975	346	-5	0.8	4	109	8	250	24	2	7	5.12	53.1	-20	13.4	31.1
33455	3000	5350	551	-5	0.6	6	84	7	145	4	1	7	2.56	46.2	-20	7.9	20.4
33456	3000	5375	451	-5	0.7	5	95	11	164	3	1	7	2.27	51.6	-20	8.5	19.1
33457	3000	5400	351	-5	0.5	11	88	4	70	4	1	6	2.63	47.3	-20	8.2	12.6
33458	3000	5425	482	-5	0.8	-2	103	3	25	33	0	7	2.25	53.9	-20	10.6	13.9
33459	3000	5450	499	-5	0.8	-2	101	5	107	7	1	8	4.43	53.9	-20	11.0	20.0
33461	3000	5475	553	-5	0.6	10	78	5	100	2	1	7	3.13	43.6	-20	8.6	19.5
33462	3000	5500	623	-5	0.6	5	81	7	160	2	1	6	4.60	42.3	-20	7.9	23.5
35106	6800	8110	475	-5	0.7	17	124	3	12	-1	2	5	0.81	66.1	-20	11.1	4.5
35107	6800	8100	686	-5	0.5	7	75	8	80	5	1	5	0.95	40.4	-20	6.3	11.8
35108	6800	8090	1410	-5	0.5	48	75	7	77	3	1	5	4.38	39.8	-20	7.0	15.0
35109	6800	8080	1710	-5	0.5	70	68	8	82	4	1	5	5.11	34.9	-20	6.6	17.0
35110	6800	8070	1700	-5	0.6	74	75	6	84	5	1	5	5.80	39.4	-20	7.3	15.7
35111	6800	8060	980	-5	0.6	63	78	5	52	7	1	5	4.97	41.1	-20	7.6	15.5
35112	6740	8120	383	-5	0.4	22	87	1	21	-1	1	4	2.25	49.4	-20	6.0	4.9
35113	6740	8110	327	-14	-0.7	35	65	-1	-15	-1	1	4	8.89	45.5	-20	6.7	9.7
35114	6740	8100	436	-5	0.7	25	131	2	9	-1	2	5	2.31	69.9	-20	12.6	4.7
35115	6740	8090	614	-5	0.6	12	115	4	11	1	2	5	4.87	59.4	-20	11.7	9.5
35116	6740	8080	1050	-5	0.5	6	79	6	60	2	1	6	2.65	41.7	-20	7.5	12.8
35117	6740	8070	716	-5	0.5	50	75	4	43	-1	1	6	1.92	40.5	-20	7.5	9.6
35118	6740	8060	846	-5	0.5	18	83	5	56	-1	1	6	2.00	44.4	-20	8.1	11.8
35119	6690	8120	455	-5	0.5	26	93	3	39	-1	1	4	2.62	52.8	-20	6.6	8.2
35121	6690	8110	534	-5	0.5	50	100	3	35	1	1	4	3.61	55.6	-20	6.6	7.4
35122	6690	8100	256	-5	0.4	10	96	-1	16	-1	1	4	0.72	66.2	-20	6.4	2.9
35123	6690	8090	268	-5	0.4	8	86	1	15	-1	1	3	1.52	49.2	-20	5.4	3.3
35124	6690	8080	166	-5	0.7	13	80	-1	19	1	2	3	9.31	48.7	-20	6.8	4.7
35125	6690	8070	422	-5	0.5	17	104	3	50	-1	1	5	5.52	59.0	-20	8.5	8.4
35126	6690	8060	438	-5	0.5	31	81	1	29	2	1	3	8.64	48.3	-20	6.8	6.1
35127	6690	8060	409	-5	0.6	24	87	1	25	2	1	4	10.80	52.8	-20	7.6	5.7
35128	6690	8040	619	-5	0.7	8	99	7	12	-1	2	6	3.29	52.1	-20	10.2	11.8
35129	6690	8030	605	-5	0.6	5	61	4	53	6	1	7	3.44	32.3	-20	8.9	21.4
35130			603	-5	0.6	25	77	5	27	-1	1	6	2.08	40.4	-20	6.6	11.6
35131			724	-5	0.6	3	130	4	34	-1	2	6	0.63	61.9	-20	11.3	9.4
Laboratory:			BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ
Method :			INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30
Det. Limit:			1.000	5.000	0.100	2.000	5.000	1.000	5.000	1.000	1.000	1.000	0.050	0.500	1.000	0.100	0.100

092280

PROJECT: DUNDAS INC. MONTEZUMA

SAMPLE NUMBER	NORTH metres	EAST metres	BA PPM	MO PPM	LU PPM	BR PPM	CE PPM	CS PPM	CR PPM	CO PPM	EU PPM	HF PPM	FE %	LA PPM	IR PPB	SM PPM	SC PPM
35132			653	-5	0.4	2	71	4	11	-1	1	4	0.52	36.2	-20	6.2	6.6
35133			375	-5	0.5	14	30	1	10	1	-0	8	0.89	16.5	-20	2.4	9.1
35134			349	-5	0.5	9	60	2	19	-1	1	8	0.48	30.9	-20	4.8	7.5
35135			673	-5	0.5	6	98	3	37	-1	1	5	0.89	49.1	-20	7.3	6.6
35136			1250	-5	0.7	8	110	4	30	-1	1	6	0.86	54.6	-20	8.3	7.0
35137			615	-5	0.5	41	88	7	102	5	1	4	2.13	42.9	-20	7.1	12.6
35138			456	-5	0.7	6	89	2	20	-1	0	4	0.53	44.6	-20	5.9	3.8
35139			523	-5	0.5	23	82	10	161	13	1	4	3.57	39.3	-20	7.3	17.6
35141			492	-5	0.5	22	85	9	151	1	1	4	2.77	41.7	-20	7.2	15.5
35142			631	-5	0.5	12	86	10	181	-1	1	5	1.84	42.3	-20	7.2	19.0
35143			379	-5	0.6	24	117	7	79	-1	1	5	1.60	57.4	-20	8.9	11.5
35144			330	-5	0.5	12	119	5	56	-1	1	5	0.67	59.9	-20	8.4	8.5
35145			370	-5	0.5	16	112	5	45	-1	1	4	1.84	55.2	-20	7.8	8.8
35146			339	-5	0.5	9	121	6	55	-1	1	5	2.03	60.0	-20	8.3	7.6
35147			535	-5	0.4	12	85	4	37	-1	1	4	3.21	43.8	-20	6.3	15.2
35148			626	-5	0.5	58	67	9	71	83	0	3	10.50	29.6	-20	5.1	17.2
35149			565	-5	0.4	33	84	5	78	13	1	4	4.78	40.8	-20	6.2	13.1
35701			261	11	0.5	37	100	4	126	18	1	15	2.22	44.2	-20	9.2	8.2
35702			388	18	0.8	46	88	4	183	2	0	16	2.06	45.0	-20	8.1	10.9
35703			352	-5	0.3	24	48	4	144	41	0	4	4.31	24.3	-20	4.5	10.5
35704			453	16	0.5	55	89	4	218	22	-1	10	4.27	48.3	-20	8.3	11.5
35705			536	-5	0.7	58	119	5	104	2	1	7	2.23	53.9	-20	9.4	15.5
35706			504	-5	0.4	71	87	5	83	15	1	5	4.96	39.9	-20	7.1	15.4
35707			622	-5	0.6	45	120	6	114	5	0	6	3.78	52.9	-20	9.4	16.4
35708			480	-5	0.5	67	98	5	102	20	0	5	4.34	44.6	-20	7.7	14.8
35709			527	-5	0.5	83	95	6	190	37	0	5	5.22	43.7	-20	7.7	15.9
35710			420	-5	0.6	59	92	6	286	32	-0	7	4.90	44.4	-20	7.4	13.5
35712			696	-5	0.6	44	80	6	68	2	0	10	1.14	38.9	-20	7.2	11.2
35713			776	-5	0.5	38	69	5	97	2	0	11	1.57	31.9	-20	6.4	8.4
35714			701	-5	0.6	65	85	6	91	2	0	8	2.78	38.9	-20	6.8	12.3
35715			642	-5	0.7	21	77	5	91	-1	-0	10	1.50	37.1	-20	6.5	10.3
35716			556	-5	0.6	48	107	5	176	30	0	7	5.15	48.6	-20	8.1	13.6
35717			672	-5	0.5	30	96	3	31	-1	0	8	0.44	47.3	-20	6.7	6.9
35718			549	-5	0.6	31	115	5	144	7	1	9	3.00	54.4	-20	8.8	12.1
35719			588	-5	0.6	45	87	6	104	14	-0	7	5.70	43.5	-20	6.8	14.7
aboratory:			BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ
ethod :			INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30
et. Limit:			1.000	5.000	0.100	2.000	5.000	1.000	5.000	1.000	1.000	1.000	0.050	0.500	1.000	0.100	0.100

092280

PROJECT: DUNDAS INC. MONTEZUMA

SAMPLE NUMBER	NORTH metres	EAST metres	BA PPM	MO PPM	LU PPM	BR PPM	CE PPM	CS PPM	CR PPM	CO PPM	EU PPM	HF PPM	FE %	LA PPM	IR PPB	SM PPM	SC PPM
35721			399	-5	0.6	80	92	6	399	25	0	6	4.87	42.9	-20	6.9	14.9
35722			475	-5	0.7	68	117	6	254	3	1	9	3.39	57.5	-20	9.8	15.5
35723			428	-5	0.5	43	95	5	95	2	0	7	2.38	48.1	-20	8.9	12.3
35724			345	-5	0.5	77	89	7	349	14	1	5	4.89	39.9	-20	7.8	12.1
35725			402	-5	0.5	46	95	6	405	28	1	6	5.68	45.2	-20	7.6	13.7
35741			251	-11	0.6	-2	61	6	220	4	2	3	2.72	30.1	-20	9.8	28.9
35742			255	-5	0.2	-2	-2	3	719	51	-0	0	6.98	0.8	-20	0.7	37.4
35743			1100	-5	0.5	3	79	4	227	59	2	6	8.50	37.8	-20	8.6	29.9
35744			449	-5	0.4	-2	53	3	271	26	1	4	5.89	26.3	-20	5.4	28.6
35745			154	-5	0.3	-2	31	7	213	21	1	2	13.00	14.5	-20	4.1	21.0
35746			285	-5	0.4	-2	43	4	300	31	1	3	5.68	19.8	-20	5.2	29.7
35747			453	-5	0.4	-2	39	4	275	35	1	4	6.60	18.3	-20	4.6	32.8
35748			263	-5	0.4	2	120	3	72	2	1	4	2.74	71.2	-20	5.3	8.9
35749			216	-5	0.4	-2	91	3	-5	-1	0	4	1.22	52.2	-20	4.5	1.9
35750			196	-10	0.4	-2	103	2	11	7	0	4	0.77	54.8	-20	5.6	2.2
35751			340	-5	-0.2	-2	-2	7	300	23	-0	0	3.29	0.6	-20	0.5	36.1
35752			246	-5	-0.2	-2	-2	5	2300	69	-0	-0	3.89	-0.5	-20	0.3	22.8
35753			-100	-5	-0.2	-2	-2	-1	2280	86	-0	-0	3.15	-0.5	-20	-0.2	1.8
35754			304	-5	0.5	-2	62	4	138	82	2	5	6.75	29.1	-20	7.9	31.3
35755			-100	-5	-0.2	-2	-2	-1	2670	39	-0	-0	3.38	-0.5	-20	0.3	2.2
Laboratory:			BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ	BECQ
Method :			INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30	INAA30
Det. Limit:			1.000	5.000	0.100	2.000	5.000	1.000	5.000	1.000	1.000	1.000	0.050	0.500	1.000	0.100	0.100

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APPENDIX 15

An Interpretation Form of Pine Hill Granite, Dundas-Renison-Williamsford Area, EL 101/87 and 13/88 for RGC Exploration Pty. Ltd. by Dr. D.E. Leaman.

LEAMAN GEOPHYSICS
Survey Review, Specification, Reduction, Interpretation
Gravity, Magnetic and Seismic Methods
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AN INTERPRETATION FORM OF PINE HILL GRANITE

DUNDAS-RENISON-WILLIAMSFORD AREA EL 101/87 AND 13/88

for
RGC Exploration Pty Limited

by
Dr. D.E. Leaman

December 1990

DUNDAS

CONTENTS

	page
SUMMARY	
INTRODUCTION	1
GRAVITY SURVEY	2
INTERPRETATION	
Rocks and rock properties	3
Features of the gravity field ...	4
Methods	5
Discussion	6
CONCLUSIONS AND RECOMMENDATIONS	10
REFERENCES	11
APPENDIX: DETAILS OF GRAVITY DATA BASE AUGMENT	

FIGURES

1 Location map
2 Previous interpretation of Pine Hill Granite, Dundas area
3A Map of Bouguer anomaly
3B Map of Bouguer anomaly and geological base map
4 Trends
5 3D model Line 5363 000 mN
6 5365 000
7 5366 000
8 5367 000
9 5369 000
10 5371 000
11 5373 000
12 3D model Line 370 000 mE
13 373 000
14 375 000
15A Williamsford area, Bouguer anomaly and base map
15B Model and base map
16A Dundas area, Bouguer anomaly and base map
16B Model and base map
17 Current model and sites of mineralisation
18 Granite model and trend summary
19 Granite model and target zones
20 Concept: granite form and mineralisation relationships

All figures follow the text

MAPS

1 Bouguer anomalies
2 Current granite model interpretation

Maps are included in separate pockets.

SUMMARY

Review of extant gravity data, supplemented by a new infill survey, in the Dundas area has enabled considerable refinement of previous models and concepts of the form of the Pine Hill Granite in the region between its exposure at Pine Hill and Dundas.

This interpretation, although limited by assumptions concerning the bulk properties of the intruded rocks and the scale and nature of the disruption of the sequence north of Dundas, has defined several definite elements of the granite form.

There is a clear correlation between granite form and many observed fault and fold patterns across the licence areas. It may be inferred that the granite has been affected by, and modified high level manifestations of, pre-existing fractures.

There is also a positive association with known mineralisation, particular forms of the granite and those structures which presented primary controls on intrusion. Some of these are not obvious in surface mapping which may not distinguish them due to existence of other faults, or due to their modification upon intrusion or deformation. Many low angle structures conceal key elements of these relationships.

The association between granite form and mineralisation is of two types.
Small prospects or mines may be related indirectly to the granite by significant structures. The Milton prospect near Williamsford is of this type; the structural link being the Rosebery Fault which has plumbed a fluid source to the east.
Other prospects, [redacted], may be more directly associated with the primary granite fracture system developed during intrusion. Prospects of this type are associated with projections of the wall forms.
Both associations can only be appreciated or recognised after basic interpretation of the form of the granite.
Each association suggests other possible targets and follow up review of possible host and fracture transfer conditions is now recommended [redacted].
Detailed review of the gravity data, coupled with magnetic data analysis, should assist such assessments.

The present analysis indicates some depth limitation of potential hosts and deposits. Modelling and profile analysis has shown that a variable density contrast profile is required between the granite and the intruded rocks. This may mean local siliceous cappings but the general implication is for termination of Dundas Group, Oonah, Crimson Creek and Success Creek Formations at an average depth of about 1500 m - where such a volume is available above the granite - and that the root of the granite is emplaced in predominantly siliceous basement.

The present work provides a guide for further exploration.

082283

INTRODUCTION

ELs 101/87, Dundas, and 13/88, Williamsford, are located immediately south and east of Renison Bell and Renison mine in western Tasmania (see Figure 1).

This important mineralised area contains an array of deposits which have been previously worked. It also includes some tin deposits, such as that at Razorback, and the world class Renison deposit.

In order to understand the relationships between these deposits and the Devonian Pine Hill Granite, exposed two kilometres south of Renison, gravity data have been reviewed and interpreted.

Previous interpretations of more regional and indicative nature have been reported which demonstrate the efficacy of this approach. These were summarised in Chapter 15 of Leaman & Richardson (1989a). Figure 2 presents the net conclusion of this previous work which shows that the granite was inferred to shelve steeply southward toward Dundas. The dominant relief upon the granite spine was shown to trend ENE from Pine Hill.
This diagram suggests the general relationship between mineralisation and granite shelf but does not provide any specific guidance for prospect or EL evaluation.
It was based on simplified analysis of the regional data base current in 1987.

This report examines the gravity data within the Renison - Dundas - Williamsford area in order to provide a more refined and specific description.

The gravity data used were obtained from the state gravity data base (TASGRAV) maintained by the Department of Mineral Resources and Energy. This data was supplemented by infill surveys undertaken by RGC Exploration. Map 1 presents a compilation of this data for the area centred on the licences. All Bouguer reductions include a 22 km terrain correction and use of crustal density 2.67 gm/cc. The nominal station spacing is about 300-500 m, although some large gaps are present, and station locations are shown in Map 1.

The present report describes preliminary analysis of this data using three dimensional methods applied to residual profiles generated after removal of the deep crustal and oceanic components as defined by Leaman & Richardson (1989b). This presentation provides a normal relativity of response patterns free of regional gradient distortions.

Interpretation has been halted at the point at which the general form of the granite has been defined, many secondary issues have become relevant for further analysis and the general relationship between known mineralisation and the form of the granite is sufficiently well known to prescribe target areas for further work of all types.

082284

GRAVITY SURVEY

The extant Tasmanian gravity data base for the Dundas - Renison - Williamsford area consisted of stations approximately 1 km apart. These had been acquired during an early phase of the Mt Read Volcanics Project by the Department of Mines and given a first interpretation by Leaman (1986) and Leaman and Richardson (1989a).

The coverage was adequate to define the gross extent of the Pine Hill Granite and demonstrate its significance. It was not sufficient for any specific exploration or evaluation of moderate areas. An infill survey with a nominal spacing of 300 to 500 m was proposed. The ultimate coverage was determined by available access and gridding. Map 1 indicates the final status of coverage. A large gap in coverage west of Colebrook Hill has not been significantly reduced due to limited access.

The survey was undertaken by Mackie Martin Pty Ltd (Bettina Townrow observer) during October and November 1990 to specifications compatible with the Mt Read coverage. It was linked to state datum at Rosebery and Zeehan. All stations were corrected for instrumental drift (and tide) and referred to an internal tie network. Reproducibility of observed gravity is of the order of 0.04 mGal.
All elevations were determined barometrically using survey spot points for control. Several loops were repeated due to limited control, difficult terrain, long repeat times and changeable weather. It is not possible to offer a general estimate of precision in the rugged Dundas terrain but all linked network points were reproduced within 4 or 5 m, some near the ultimate practical precision of about 1 m. It should be assumed, however, that the general reproducibility is about 4 m.
All stations were terrain corrected to a radius of 22 km. Corrections range up to 8 mGal and may have an error of 5% due to uncertainties about precise location within the terrain and limited local descriptions about the station.
An error will be due to underestimation of the effect.
The data have been contoured using a 1 mGal interval due to these limitations.

Data was reduced using the 1930 ellipsoid compatibly with the Tasmanian data base with a Bouguer density of 2.67 gm/cc.

A tabulation of the infill survey is given in the Appendix.

082285

INTERPRETATION

ROCKS AND ROCK PROPERTIES

No specific study of rock properties has been undertaken in order to provide the present interpretation. All work has been referenced against the geological maps of Blissett & Gulline (1962) and the recent compilation by RGC Exploration (John Crossing, June 1990) presented as a base to some figures.

Late Precambrian rocks of the Oonah Formation are exposed within the area. These include carbonates and various other sediments but are intensely deformed and faulted. Leaman (1986, 1990) has argued that the fault-bounded blocks of Oonah Formation represent pop-up blocks dislocated from thrust slices. Dundas Group and various lower Cambrian rock suites are exposed across the bulk of the area studied. These units are intensely faulted and contain numberous slices of mafic and ultramafic rocks. Several deformed lower Cambrian thrust sheets are present.
Leaman (1986), and Berry and Crawford (1988), have suggested major thrusts within this association of structures. Eastward translation of the Oonah Formation across a large part of the Lower Palaeozoic sections was implied by Leaman (1986). Similar displacements are implied within the Cambrian rocks. East facing structures are impressed upon these and the most notable is the Rosebery Fault which is exposed near Williamsford.
The resultant pattern is structurally complex and not yet adequately defined.

Nominal rock properties based on general experience of the exposed materials have been employed but tested against the controls afforded by the magnitude of anomalies across the granite boundary exposed at Pine Hill.
Figures 9 and 12 provide an example of these tests to suggest that the appropriate bulk contrast between granite and country rock - as a package - does not exceed 0.12 gm/cc.
Since the bulk density of the granite is of the order of 2.61 to 2.63 gm/cc then the implied bulk density of the intruded rocks is about 2.75 gm/cc. This is consistent with sample determinations obtained during the Mt Read Volcanics Project for both Oonah Formation and most Cambrian rocks (excluding mafics).
Ordovician, Silurian and Devonian rocks are also variable but generally much less dense. Siliceous rocks may have densities of 2.5-2.55 gm/cc while carbonates may be 2.74-2.84 gm/cc. Siliceous Tyennan-style Precambrian rocks have bulk densities of the order or 2.67 gm/cc.
Modelling of the marked regional negative Bouguer anomaly due to the granite has shown, however, that the maximum contrast cannot be applied to the entire intrusion implying that there are significant density variations within either granite or country rocks at high levels or that the contrast between granite and intruded rocks decreases with depth. High level variations in intruded rocks are to be expected in this area but the second observation suggests a predominantly siliceous section at depths greater than about 1500 m.

082286

FEATURES OF GRAVITY FIELD

Map 1 displays all the salient features of the gravity field. Figure 3 presents this map with and without a geological basemap.

The gravity field is variable in intensity across the entire area but essentially defines an approximate semi circular negative anomaly pattern which arcs from near Rosebery in the north east to a little east of Renison Bell, south to Dundas and then south east. This gross pattern is unclosed in Map 1 and is marked by a variable but generally marked gradient and a magnitude change of never less than seven or eight mGal. The intrusion responsible for this anomaly pattern is very large, extends eastward, and has an irregular roof. The exposure at Pine Hill must represent a very small part of the roof and the body is larger than suggested in Figure 2.

Map 1 presents the observed Bouguer anomalies and the general regional gradient from east to west is included.
Markedly anomalous negative features may be noted between Pine Hill and Renison Mine, near 369 000 mE, 5369 500 mN, east of Razorback and SSE of Rosebery.

Other local, large negative effects may be observed near the Zeehan Highway (366 000 mE, 5363 000 mN) and these are related to Ordovician-Devonian sedimentary rocks.

Review of the available geological compilations and correlations with the gravity field (e.g., Figure 3B) shows that many secondary gradients observed within the principal anomalies generally reflect mapped patterns - in terms of orientation and nominal position. The gravity gradients may well be used to revise mapped positions or review mapping or imply the location of the fundamental upper crustal structures which have been rejuvenated and impressed in presently exposed rocks and which may have controlled intrusion of the granite as well. The most marked of these structures extends from [redacted] Svengali to east Moores Pimple.

Figure 4 presents a basic trend compilation using available geological and gravity data. Dominant trends are north of east, northeast, north-south and northwest although elements of near east-west trends are also visible. The irregular distribution of data suggests that all these orientations are real and not artifacts of coverage.

Comparison of both geology and gravity field suggests that there is little correlation between surface mapping and Bouguer anomalies east of the Zeehan and Murchison Highways. This would indicate either that there is insufficient roof cover on the granite to develop reliable patterns from the exposed rocks, or that the exposed rocks are structurally detached from the main body of each unit. Both solutions are likely although local emphases may vary.
All the surface structures can be seen in this context to be related to a small group of very large structures whose position is only defined with any certainty using the gravity data.

082287

METHODS

An array of observed profiles was established based on Map 1. These profiles were designed to provide a representative sampling of semi-regional anomaly forms. The nominal line spacing was about 1 km and may be contrasted with the nominal station spacing of 0.5 km. The particular location of the test profiles reflects the actual station coverage in order to minimise interpolations.
This report represents a preliminary interpretation which is also an order of magnitude upgrade of previous interpretations. It is not an overinterpretation of the data available.

The "observed" profile used as reference in all model calculations was derived from the observed data of Map 1. Since the total Bouguer anomaly includes some long wavelength effects such as the response due to the continental margin, continental thickening, and other regional granites these responses must either be removed from the Bouguer anomaly or modelled along with the particular object of study. In this study the crustal formulation of Leaman and Richardson (1989b) has been used to remove the first two responses from the observed data and the primary model of the other granites of NW Tasmania given by Leaman and Richardson (1989a) has been used to remove the third. The other granites are sufficiently distant that any inadequacies in this component are not significant. The resultant profile is thus a residual and may be used for direct comparison with model calculations.

The observed data from Map 1 were further adjusted along each profile by reducing the reference level of the Bouguer anomalies from the land surface where the observations were made to a level of 200 m above sea level. It was assumed that the rock between this level and the land surface had a density of 2.74 gm/cc for the purposes of 3D calculation. Thus any local anomalies indicated after this adjustment reflect local contrasts in the near surface rocks. These local effects have a much shorter wavelength than any response related to the granite. This analysis has been directed at primary review of granite form only.

Some N-S and E-W profiles were then modelled using simple two dimensional methods in order to scale the general relief of the granite and estimate the order of the density contrast applicable. This was achieved by extending some lines eastward but many lines close to the boundaries of the main anomaly (due to granite) cannot be modelled using 2D methods. These simple methods were also used to test whether the density contrast applied over considerable depths, say greater than 3 km, and whether it was possible to model viably using the granite density alone as a bulk reference.
The initial tests showed that a bulk contrast of about +0.12 gm/cc cannot be used across the entire depth range of the granite. The particular requirement of contrast varied for each line and the nature of surface rocks. These tests showed that no

082288

single contrast can be employed but that the minimum contrast required is about +0.06 gm/cc. These indications were subsequently confirmed by 3D analysis.
It was found that the effective contrast pattern for the intrusion was about 0.12 gm/cc from 1000 to 2000 m reducing rapidly to 0.06 gm/cc at 4000 to 5000 m. Above these levels some variations were required and it appears that spiky crests of the granite contain granite which is more siliceous and of lower density than the bulk of the body. This contrast pattern suggests that the Cambrian-Oonah Precambrian sequence is not much thicker than 2000 m and that the bulk of the intruded rocks is composed of Tyennan type Precambrian rocks.

Since the form of the granite is irregular and generally offers a semicircular nose to the west three dimensional methods must be employed to generate reliable proportions for the form of the granitic mass. Two dimensional methods are quite unreliable for many profiles. The information derived from 2D tests and previous work was used to produce an initial 3D model which was passed through six iterations to produce the solution offered in this report.
Each profile was examined after each iteration and tested for consistency in both body geometry and curve fit parameters. The latter provide a crucial test of model and assumptions and must be consistent for all lines of the array. The difference between the zero shift and the observed and calculated difference is a measure of this and has been found to be about 4.5 mGal for this data set in the form used and using the variable density contrast profile defined above. The deviation for best fits is about 0.3 mGal which is inside the noise level in the data.
Note that a residual data set should yield a near zero difference, not 4.5 mGal, and would if the density contrasts were referred to the Bouguer density; viz -.06 gm/cc for granite and +0.07 mGal for other formations and geoid - not 200 m.

DISCUSSION

Ten profiles of the profile array established to evaluate the gravity field and define the form of the Pine Hill Granite in this area are shown in Figures 5 to 14. All granite profiles shown represent the current status of the 3D model. Further refinement of this model (Map 2) is not justified until some control is established within the study area, or the contrast assumptions can be significantly revised.

Each profile has been discussed separately in order to indicate the nature of the conflicts, issues and targets implied in different parts of the structure.

Each section indicates surface geology based on mapping by John Crossing (RGC, June 1990) or the Mt Read map series. No subsurface interpretation has been attempted and the gravity profiles may be used to provide it.

Line 5363 000 mN (Figure 5).
This section samples the southern wall of the intrusion and the negative spines at [redacted] 376 000 mE. The model accounts for the general character of the profile east of 372 000 mE but is not satisfactory west of this easting.
The negative effect near 366 000 mE is associated with folded sequences of Silurian and Devonian rocks which have not been included in the model at this stage. [redacted]

[redacted]

Line 5365 000 mN (Figure 6)
This profile offers much better fits with clear deviations related to Siluro-Devonian rocks at the western end of the section. [redacted] Granite also lies at relatively shallow depth beneath White Spur - possibly shallower than modelled.

Line 5366 000 mN (Figure 7)
This profile confirms the implications of the previous profile. [redacted]

Line 5367 000 mN (Figure 8)
This profile suggests that granite is associated with mineralisation in the Williamsford - Hercules area and may have remobilised mineralisation along the Rosebery Fault. Many small deposits, including Svengali may be of this type.

[redacted]

Line 5369 000 mN (Figure 9)
This profile poses few problems for the model or density assumptions. [redacted]

Line 5371 000 mN (Figure 10)
The profile fit west of Dreadnought Hill is excellent but is deficient east of it. [redacted]. The cross profile at 375 000 mE offers little clarification due to the local anomalies within Colebrook Hill. There are limits on granite distribution, however, imposed by the general anomaly and model pattern. These yield a solution which is consistent with the known depth of granite at Colebrook Hill (Mines Dept. borehole). It has therefore been concluded that a combination of data coverage and local density change factors have produced the fit separation.

[redacted]

Line 5373 000 mN (Figure 11)
This profile along the northern wall of the granite which requires use of 3D methods for evaluation [redacted]. This type of information suggests that the solution for the Colebrook Hill area is valid even though local variations have been noted.

Line 370 000 mE (Figure 12)
The general fit is satisfactory [redacted]

[redacted]

Line 373 000 mE (Figure 13)

[redacted]

Line 375 000 mE (Figure 14)
This profile stresses the density anomaly along Colebrook Hill. Lateral requirements of the gravity field - and the model - force a solution of the type offered.

082291

The interpretation of granite form has been summarised in Map 2 and Figure 17. This clearly shows the ribs which protrude [redacted] beneath Colebrook Hill, south of Rosebery and southeast of Hercules. These diagrams also show the known mineralised sites without any indication of scale of mineralisation which in most cases is either minor or presumed to be. Some of these conclusions may need to be revised given the association of granite form, intruded sequence, and fracture patterns near some sites.

The association between granite form and surface geology is also shown in Figures 15 and 16 for the regions centred on Dundas and Williamsford, and between model and structural trends in Figure 18.

Possible target zones based on fracture and cupola form projections are suggested in Figure 19. The concepts used to develop this zonation are indicated schematically in Figure 20.

082292

CONCLUSIONS AND RECOMMENDATIONS

The present interpretation of gravity data in the Dundas - Renison - Williamsford area has established that the Pine Hill Granite is part of a very large and irregular intrusion. There are several marked spines and ribs protruding from its roof and mineralisation can be associated with such bulges, or the fractures used to emplace them. Known mineralised sites are concentrated around the steep external wall of the pluton. This wall has many re-entrants, [redacted], and all appear to have influenced mineralisation - whether directly related to the granite, or remobilised.

Spines worthy of further exploration are located near [redacted] and Colebrook Hill. Most other sites of interest lie within the Rosebery Mine Leases east of the Rosebery Fault. [redacted]

Some relatively minor anomalous effects have been recognised in the data set. Some, negative, may be due to incomplete correction but their association with critical granite shape changes does suggest the possibility of localised alteration, or structural effects involving ultramafics and perhaps overthrust Siluro-Devonian rocks.
Other, positive, effects may also be important if mafic rocks can be eliminated as sources. Comparative review of magnetic data and matching of the granite forms with magnetic source depths is recommended for this purpose and it may also identify skarns. Detailed analysis of the gravity data set in association with structural concepts may permit satisfactory review.

Refinement of the present interpretation is not generally justified unless the model can be tested and densities confirmed. Examination of the structure within the roof rocks, assessment of section form and content - especially carbonates, is practicable and should be undertaken before any general revision of the granite model is worthwhile.

[redacted]

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082294

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APPENDIX

TABLE OF REDUCED GRAVITY DATA
Survey code 9049

The table lists all data acquired by RGC Exploration during 1990 in the Dundas area.
The reduction density used was 2.67 gm/cc.

The table lists the station number (with year and survey code)
position (easting, northing, elevation)
gravity (observed, theoretical)
terrain correction
Bouguer anomaly

Observed gravity is based on state datum tie points and the theoretical gravity is based on the 1930 ellipsoid.

Station No.	East (m)	North (m)	Elev (m)	Gobs	Gtheo	Terr Corr	B.A. mgal
[redacted]						0.30	-16.97*REN176A
						0.33	-18.02*REN176A
						0.48	-19.12*REN176A
						0.59	-19.32*REN176A
						0.84	-18.29*REN176A
9049.0006	374020.0	372500.0	167.00	980.288078	980.340215	0.74	-18.55*REN176A
9049.0007	374300.0	372720.0	155.00	980.290398	980.340041	0.83	-18.33*REN176A
9049.0008	374620.0	372940.0	149.00	980.290718	980.339868	0.86	-18.98*REN176A
9049.0009	374880.0	372780.0	157.00	980.288622	980.340001	0.99	-19.51*REN176A
9049.0010	375200.0	372780.0	155.00	980.288654	980.340005	0.95	-19.91*REN176A
9049.0011	375500.0	372800.0	156.00	980.288629	980.339994	0.98	-19.70*REN176A
9049.0012	375800.0	372820.0	153.00	980.288465	980.339982	1.07	-20.35*REN176A
[redacted]						6.97	-12.50*REN176A
						4.90	-16.18*REN176A
						1.96	-20.17*REN176A
						2.15	-18.05*REN176A
						4.84	-15.94*REN176A
						4.87	-16.59*REN176A
						5.13	-17.79*REN176A
						5.46	-17.14*REN176A
						4.53	-17.89*REN176A
						5.33	-15.97*REN176A
						4.93	-16.51*REN176A
						5.17	-17.19*REN176A
						5.88	-18.27*REN176A
						4.36	-17.78*REN176A
						5.21	-17.88*REN176A
						5.46	-14.16*REN176A
						4.93	-14.28*REN176A
						5.66	-15.48*REN176A
						1.93	-19.40*REN176A
						2.05	-21.02*REN176A
						2.29	-20.34*REN176A
						2.19	-19.21*REN176A
						2.41	-19.19*REN176A
						2.27	-18.42*REN176A
						2.53	-19.17*REN176A
						3.40	-18.96*REN176A
						3.61	-19.56*REN176A
						2.95	-19.80*REN176A
						4.24	-22.90*REN176A
						3.25	-21.12*REN176A
						3.67	-21.40*REN176A
						7.06	-19.02*REN176A
						2.00	-19.39*REN176A
						2.03	-20.25*REN176A
						1.65	-18.95*REN176A
						1.71	-19.22*REN176A
						1.89	-19.45*REN176A
						1.99	-19.28*REN176A
						2.84	-20.82*REN176A
						3.46	-17.58*REN176A
						6.45	-16.02*REN176A
						5.73	-16.62*REN176A
						4.13	-15.20*REN176A
						3.44	-15.87*REN176A
						3.46	-15.99*REN176A

Station No.	East (m)	North (m)	Elev (m)	Gobs	Gtheo	Terr Corr	B.A. mgal
[redacted]						2.43	-16.44*REN176A
						2.13	-15.31*REN176A
						3.00	-16.16*REN176A
						2.29	-16.77*REN176A
						2.15	-14.97*REN176A
						3.40	-15.59*REN176A
						3.83	-15.37*REN176A
9049.0100	374960.0	366690.0	285.00	980.262412	980.344919	5.12	-21.33*REN176A
9049.0101	374760.0	366890.0	274.00	980.263142	980.344755	5.45	-22.27*REN176A
9049.0102	374680.0	367220.0	266.00	980.265152	980.344487	5.73	-21.28*REN176A
9049.0103	374360.0	367460.0	258.00	980.267198	980.344289	5.33	-21.01*REN176A
9049.0104	374140.0	367540.0	254.00	980.269705	980.344221	4.93	-19.62*REN176A
[redacted]						3.37	-19.77*REN176A
						2.93	-20.05*REN176A
						3.60	-19.41*REN176A
						4.00	-19.23*REN176A
						3.81	-19.63*REN176A
9049.0110	374020.0	366640.0	599.00	980.204310	980.344946	3.90	-18.90*REN176A
9049.0111	374100.0	366240.0	673.00	980.188435	980.345270	3.51	-20.93*REN176A
[redacted]						3.49	-17.13*REN176A
9049.0113	374200.0	365330.0	664.00	980.196005	980.346006	3.33	-16.04*REN176A
9049.0114	374420.0	364980.0	685.00	980.192554	980.346292	3.53	-15.45*REN176A
9049.0115	374580.0	364430.0	750.00	980.180978	980.346739	3.67	-14.54*REN176A
9049.0116	374580.0	364760.0	762.00	980.175009	980.346472	3.80	-17.75*REN176A
9049.0117	375600.0	368000.0	340.00	980.255886	980.343870	3.00	-18.11*REN176A
9049.0118	375460.0	367700.0	333.00	980.257103	980.344111	3.57	-17.94*REN176A
9049.0119	375270.0	367510.0	322.00	980.257753	980.344261	3.92	-19.25*REN176A
9049.0120	375220.0	367270.0	312.00	980.259052	980.344454	3.86	-20.17*REN176A
9049.0121	375070.0	366970.0	301.00	980.260849	980.344695	4.21	-20.43*REN176A
9049.0122	375710.0	367940.0	356.00	980.252169	980.343920	3.11	-18.61*REN176A
9049.0123	376120.0	368340.0	387.00	980.244564	980.343603	3.18	-19.73*REN176A
9049.0124	376220.0	368590.0	404.00	980.240904	980.343403	3.23	-19.80*REN176A
9049.0125	376410.0	368900.0	417.00	980.237624	980.343155	3.60	-19.90*REN176A
9049.0126	376460.0	369260.0	381.00	980.244432	980.342865	3.53	-19.96*REN176A
9049.0127	376070.0	368860.0	439.00	980.233378	980.343183	3.41	-20.04*REN176A
9049.0128	375830.0	368900.0	438.00	980.233985	980.343147	3.32	-19.68*REN176A
9049.0129	375610.0	369080.0	435.00	980.234848	980.342998	3.60	-18.98*REN176A
9049.0130	375460.0	369310.0	420.00	980.239400	980.342811	3.23	-17.56*REN176A
9049.0131	375270.0	369510.0	445.00	980.233485	980.342646	3.13	-18.49*REN176A
9049.0132	374990.0	369650.0	525.00	980.217625	980.342530	3.48	-18.15*REN176A
9049.0133	374750.0	369390.0	541.00	980.214312	980.342736	3.46	-18.54*REN176A
9049.0134	374730.0	369160.0	582.00	980.205820	980.342921	4.33	-18.28*REN176A
9049.0135	374650.0	368810.0	602.00	980.203267	980.343203	5.07	-16.44*REN176A
9049.0136	374820.0	368550.0	561.00	980.212259	980.343415	4.27	-16.53*REN176A
9049.0137	374830.0	368240.0	503.00	980.223999	980.343666	4.37	-16.35*REN176A
9049.0138	374940.0	367910.0	468.00	980.228724	980.343934	3.93	-19.22*REN176A
9049.0139	374970.0	367650.0	455.00	980.231448	980.344144	5.06	-18.13*REN176A
9049.0140	374960.0	367430.0	471.00	980.227575	980.344322	5.46	-18.63*REN176A
9049.0141	375000.0	369870.0	510.00	980.220861	980.342352	3.61	-17.56*REN176A
9049.0142	374910.0	370220.0	520.00	980.217249	980.342068	4.26	-18.27*REN176A
9049.0143	374950.0	370440.0	517.00	980.215706	980.341891	4.60	-19.88*REN176A
9049.0144	375020.0	370660.0	504.00	980.219269	980.341714	4.83	-18.47*REN176A
9049.0145	375080.0	370840.0	506.00	980.218625	980.341570	4.51	-18.90*REN176A
9049.0146	375110.0	371030.0	505.00	980.218883	980.341417	4.08	-19.11*REN176A
9049.0147	375170.0	371350.0	504.00	980.218442	980.341160	4.60	-18.97*REN176A
9049.0148	375670.0	368260.0	361.00	980.252202	980.343661	2.85	-17.60*REN176A
9049.0150	375130.0	366250.0	335.00	980.253107	980.345277	6.60	-19.67*REN176A

Station No.	East (m)	North (m)	Elev (m)	Gobs	Gtheo	Terr Corr	B.A. mgal
9049.0151	375280.0	366230.0	439.00	980.233568	980.345295	4.05	-21.32*REN176A
9049.0152	375430.0	366030.0	505.00	980.219833	980.345459	4.47	-21.81*REN176A
9049.0154	375000.0	365830.0	363.00	980.246741	980.345614	6.69	-20.78*REN176A
9049.0155	375340.0	365820.0	468.00	980.228266	980.345627	5.25	-20.05*REN176A
9049.0156	375500.0	365820.0	570.00	980.207310	980.345629	6.41	-19.78*REN176A
9049.0157	375530.0	365620.0	633.00	980.194305	980.345791	6.70	-20.26*REN176A
9049.0158	375360.0	365640.0	521.00	980.217696	980.345773	6.10	-19.49*REN176A
9049.0159	374990.0	365630.0	385.00	980.243943	980.345775	7.03	-19.07*REN176A
9049.0160	376690.0	370970.0	290.00	980.258771	980.341488	2.20	-23.47*REN176A
9049.0161	376460.0	371120.0	268.00	980.264220	980.341363	2.29	-22.14*REN176A
9049.0162	376330.0	370960.0	239.00	980.270873	980.341491	2.33	-21.28*REN176A
9049.0163	376080.0	370870.0	297.00	980.260385	980.341560	2.41	-20.34*REN176A
9049.0164	375970.0	370680.0	296.00	980.260447	980.341712	2.50	-20.54*REN176A
9049.0165	375920.0	370860.0	338.00	980.252071	980.341566	2.53	-20.48*REN176A
9049.0166	375670.0	370760.0	309.00	980.258098	980.341643	3.44	-19.32*REN176A
9049.0167	375020.0	371650.0	520.00	980.214422	980.340915	5.60	-18.60*REN176A
9049.0168	374960.0	371570.0	481.00	980.223041	980.340979	3.65	-19.67*REN176A
9049.0169	374880.0	371930.0	429.00	980.232958	980.340687	3.86	-19.48*REN176A
[redacted]							-18.63*REN176A
[redacted]							-19.17*REN176A
[redacted]						0	-18.98*REN176A
[redacted]							-18.16*REN176A
[redacted]							-17.24*REN176A
[redacted]						7	-20.18*REN176A
[redacted]						8	-19.56*REN176A
[redacted]						5	-17.17*REN176A
[redacted]							-18.26*REN176A
[redacted]						0	-18.49*REN176A
[redacted]						0	-18.07*REN176A
[redacted]							-20.14*REN176A
[redacted]							-22.30*REN176A
[redacted]						8	-21.19*REN176A
[redacted]						6	-21.76*REN176A
[redacted]							-17.85*REN176A
[redacted]						4	-18.67*REN176A
[redacted]							-20.39*REN176A
[redacted]							-20.33*REN176A
[redacted]							-20.92*REN176A
[redacted]							-20.93*REN176A
[redacted]						0	-20.54*REN176A
[redacted]						2	-22.31*REN176A
[redacted]						6	-22.73*REN176A
[redacted]						7	-22.57*REN176A
[redacted]							-12.13*REN176A
[redacted]						7	-13.06*REN176A
[redacted]							-11.29*REN176A
[redacted]						0	-11.17*REN176A
[redacted]							-12.47*REN176A
[redacted]							-12.15*REN176A
[redacted]						8	-12.82*REN176A
[redacted]						3	-14.03*REN176A
[redacted]							-11.38*REN176A
[redacted]							-12.39*REN176A
[redacted]						6	-12.76*REN176A
9049.0312	374500.0	364220.0	830.00	980.164923	980.346907	4.07	-14.62*REN176A
9049.0313	374250.0	364330.0	835.00	980.162739	980.346815	4.33	-15.47*REN176A
9049.0314	374070.0	364140.0	834.00	980.162653	980.346966	4.28	-15.95*REN176A

RGC Exploration - Dundas Region Gravity Data

Station No.	East (m)	North (m)	Elev (m)	Gobs	Gtheo	Terr Corr	B.A. mgal
9049.0315	374000.0	364000.0	826.00	980.165714	980.347078	3.63	-15.23*REN176A
[redacted]						3.37	-13.30*REN176A
[redacted]						3.62	-14.01*REN176A
[redacted]						3.69	-13.04*REN176A
9049.0319	374000.0	363480.0	780.00	980.177014	980.347498	3.81	-13.22*REN176A
9049.0320	374100.0	363600.0	781.00	980.176567	980.347402	3.73	-13.45*REN176A
9049.0321	374480.0	363630.0	756.00	980.180526	980.347383	3.61	-14.52*REN176A
9049.0322	374770.0	363500.0	777.00	980.177198	980.347492	3.31	-14.12*REN176A
9049.0323	374700.0	363700.0	825.00	980.165191	980.347330	3.19	-16.64*REN176A
9049.0324	374680.0	363960.0	832.00	980.164958	980.347120	3.07	-15.40*REN176A
9049.0325	375120.0	363720.0	821.00	980.167026	980.347320	2.33	-16.44*REN176A
9049.0326	374880.0	363900.0	797.00	980.172646	980.347171	2.81	-14.91*REN176A
[redacted]						6.90	-10.18*REN176A
[redacted]						6.66	-10.25*REN176A
[redacted]						6.45	-11.13*REN176A
[redacted]						4.73	-18.84*REN176A
[redacted]						5.04	-18.42*REN176A
[redacted]						5.39	-18.71*REN176A
[redacted]						6.25	-18.48*REN176A
[redacted]						5.73	-19.44*REN176A
[redacted]						3.33	-16.22*REN176A
[redacted]						3.61	-15.42*REN176A
[redacted]						3.92	-17.22*REN176A
[redacted]						4.58	-18.79*REN176A
[redacted]						4.73	-16.58*REN176A
[redacted]						4.91	-19.39*REN176A
[redacted]						3.88	-19.49*REN176A
[redacted]						1.67	-18.88*REN176A
[redacted]						1.75	-19.16*REN176A
[redacted]						1.99	-19.53*REN176A
[redacted]						2.57	-18.96*REN176A
[redacted]						1.80	-19.03*REN176A
[redacted]						1.77	-18.35*REN176A
[redacted]						2.04	-18.73*REN176A
[redacted]						2.30	-19.10*REN176A
[redacted]						2.41	-20.31*REN176A
[redacted]						2.27	-18.61*REN176A
[redacted]						2.40	-18.14*REN176A
[redacted]						2.68	-18.23*REN176A
[redacted]						2.57	-18.17*REN176A
[redacted]						2.86	-20.72*REN176A
[redacted]						3.33	-22.13*REN176A
[redacted]						6.45	-15.96*REN616A
[redacted]						3.74	-12.88*REN616A
[redacted]						3.69	-13.43*REN616A
[redacted]						2.60	-15.59*REN616A
[redacted]						2.93	-15.12*REN616A
[redacted]						2.35	-14.82*REN616A
[redacted]						3.77	-15.89*REN616A
[redacted]						3.60	-16.04*REN616A
[redacted]						4.15	-16.09*REN616A
[redacted]						5.05	-16.59*REN616A
[redacted]						6.41	-15.37*REN616A
[redacted]						6.96	-14.37*REN616A
[redacted]						5.43	-17.71*REN616A
[redacted]						7.55	-13.74*REN616A
[redacted]						6.22	-13.47*REN616A

082300

Station No.	East (m)	North (m)	Elev (m)	Gobs	Gtheo	Terr Corr	B.A. mgal
[redacted]					2	5.52	-14.41*REN616A
[redacted]						5.41	-15.25*REN616A
9049.0330	374680.0	363850.0	831.00	980.165076	980.347208	3.15	-15.49*REN616A
9049.0331	374870.0	363250.0	767.00	980.178924	980.347696	2.92	-14.96*REN616A
9049.0332	374970.0	362900.0	744.00	980.183706	980.347980	3.15	-14.75*REN616A
9049.0333	375030.0	362580.0	659.00	980.202174	980.348239	2.73	-13.69*REN616A
9049.0334	374800.0	362570.0	648.00	980.204825	980.348244	2.88	-13.06*REN616A
9049.0170	374620.0	365150.0	675.00	980.193741	980.346158	4.66	-14.97*REN616A
9049.0171	374680.0	365340.0	578.00	980.211066	980.346005	5.05	-16.18*REN616A
9049.0172	375060.0	365350.0	411.00	980.239252	980.346003	5.95	-19.95*REN616A
9049.0173	375360.0	365370.0	535.00	980.216848	980.345991	6.10	-17.80*REN616A
9049.0174	375000.0	365160.0	438.00	980.234225	980.346155	6.20	-19.57*REN616A
9049.0176	375000.0	364960.0	448.00	980.231584	980.346317	6.41	-20.20*REN616A
9049.0177	375000.0	364860.0	563.00	980.210801	980.346397	6.45	-18.39*REN616A
9049.0179	375000.0	364680.0	492.00	980.225414	980.346543	4.61	-19.73*REN616A
9049.0180	374860.0	364480.0	556.00	980.214166	980.346702	3.79	-19.37*REN616A
9049.0181	375300.0	364360.0	867.00	980.153501	980.346805	4.33	-18.40*REN616A
[redacted]					5	2.45	-20.22*REN616A
[redacted]					07	2.40	-21.47*REN616A
[redacted]					1	3.07	-20.65*REN616A
[redacted]						1.71	-20.61*REN616A
[redacted]					36	1.33	-20.51*REN616A
[redacted]					1	1.00	-21.84*REN616A
[redacted]					75	1.25	-21.19*REN616A
[redacted]					5	1.45	-21.52*REN616A
[redacted]						1.40	-22.58*REN616A
[redacted]						1.30	-20.04*REN616A
9049.0182	374950.0	366480.0	336.00	980.254742	980.345089	5.85	-18.40*REN616A
9049.0184	374760.0	366280.0	372.00	980.247635	980.345247	6.01	-18.43*REN616A
9049.0185	374850.0	366160.0	401.00	980.242821	980.345345	5.45	-18.19*REN616A
9049.0186	374840.0	366030.0	460.00	980.231543	980.345450	5.34	-18.08*REN616A
9049.0187	374780.0	365830.0	495.00	980.226230	980.345611	5.27	-16.74*REN616A
9049.0188	374720.0	365540.0	576.00	980.210220	980.345844	5.44	-16.87*REN616A
9049.0189	374860.0	365360.0	520.00	980.220652	980.345992	5.63	-17.42*REN616A
9049.0190	375020.0	365470.0	405.00	980.241394	980.345905	6.22	-18.62*REN616A
9049.0336	375330.0	362100.0	610.00	980.211117	980.348631	2.41	-15.10*REN616A
9049.0336	375280.0	361810.0	642.00	980.206345	980.348864	2.60	-13.62*REN616A
9049.0337	375050.0	361960.0	656.00	980.203683	980.348740	2.81	-13.19*REN616A
9049.0338	374800.0	362020.0	743.00	980.185583	980.348688	3.33	-13.60*REN616A
9049.0339	374470.0	362160.0	764.00	980.181657	980.348570	3.65	-12.96*REN616A
9049.0340	374280.0	362140.0	819.00	980.169114	980.348584	3.71	-14.63*REN616A
9049.0341	374020.0	361820.0	848.00	980.164097	980.348838	3.91	-14.00*REN616A
[redacted]					1	3.80	-14.12*REN616A
[redacted]						3.88	-15.99*REN616A
9049.0344	374060.0	362640.0	787.00	980.175273	980.348177	3.77	-14.30*REN616A
9049.0345	374210.0	362550.0	741.00	980.184084	980.348252	4.07	-14.32*REN616A
9049.0347	374320.0	362650.0	735.00	980.183033	980.348172	3.52	-17.02*REN616A
9049.0350	374100.0	362870.0	790.00	980.173958	980.347992	3.85	-14.76*REN616A
9049.0282	375300.0	366680.0	455.00	980.228698	980.344932	6.91	-19.82*REN616A
9049.0283	375560.0	366670.0	518.00	980.215859	980.344944	7.61	-19.58*REN616A
9049.0525	376060.0	372300.0	201.00	980.277197	980.340405	1.35	-22.32*REN616A
9049.0526	375970.0	372140.0	268.00	980.264930	980.340533	1.46	-21.43*REN616A
9049.0527	376120.0	371950.0	260.00	980.266551	980.340688	1.73	-21.27*REN616A
9049.0528	376280.0	371850.0	253.00	980.268386	980.340771	1.80	-20.82*REN616A
9049.0529	376400.0	371730.0	285.00	980.261727	980.340870	1.96	-21.12*REN616A
9049.0530	375870.0	372490.0	210.00	980.278523	980.340249	2.07	-18.35*REN616A
9049.0531	376020.0	372310.0	253.00	980.269896	980.340396	2.33	-18.41*REN616A

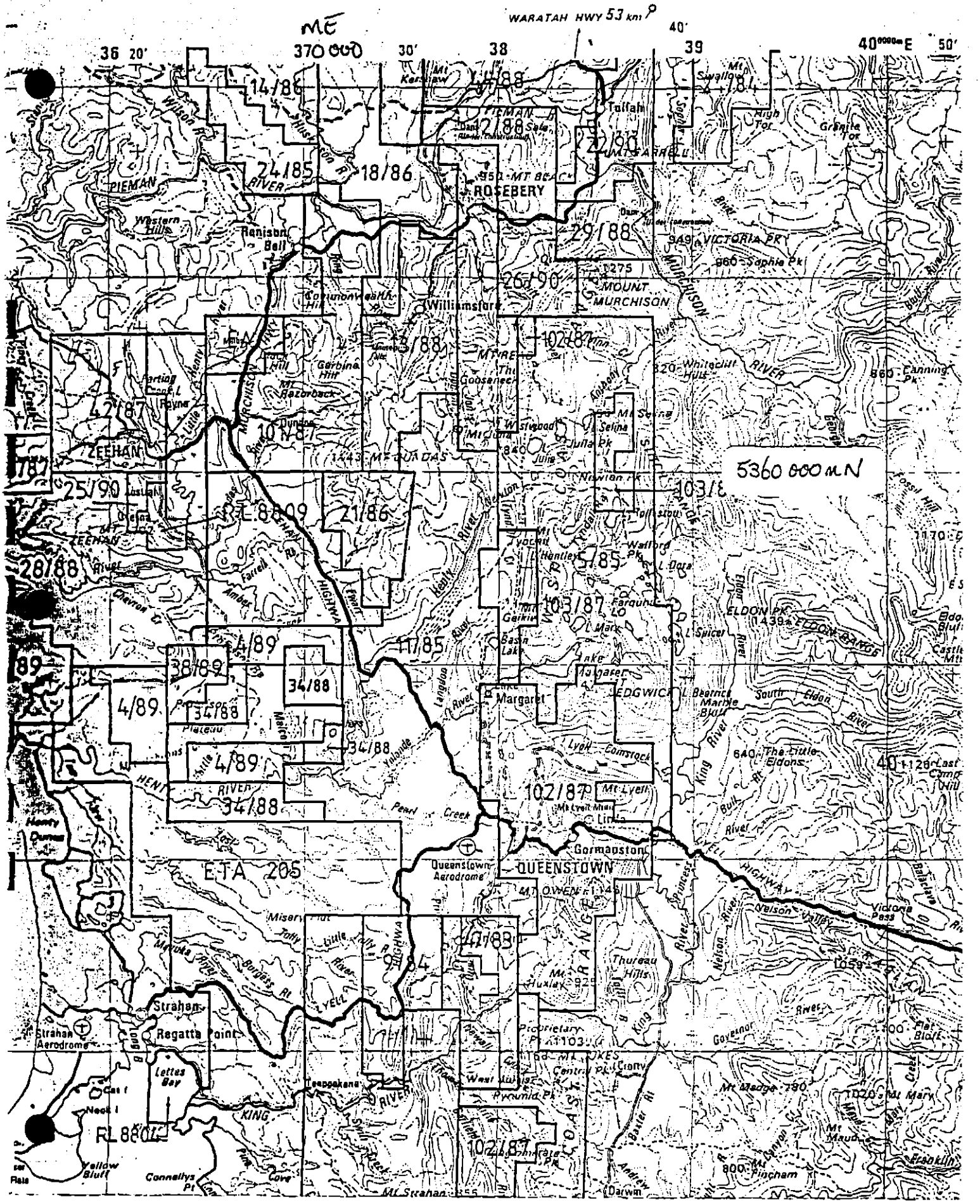
082301

Station No.	East (m)	North (m)	Elev (m)	Gobs	Gtheo	Terr Corr	B.A. mgal
9049.0532	376350.0	372340.0	151.00	980.284957	980.340377	1.25	-24.47*REN616A
9049.0433	375120.0	372530.0	159.00	980.284743	980.340206	1.20	-22.99*REN616A
[redacted]					3	6.50	-12.48*REN616A
					5	5.53	-11.02*REN616A
					3	4.70	-11.69*REN616A
					6	2.73	-13.67*REN616A

SCALE 1:250000

BLUE GRID LINES ARE TOWNSHIP LINES OF THE AUSTRALIAN MAP GRID (ZONE 55)
CROWN COPYRIGHT RESERVED

082302



LOCATION MAP DUNDAS AREA EL 101/87, 13/88 FIGURE 1

082303

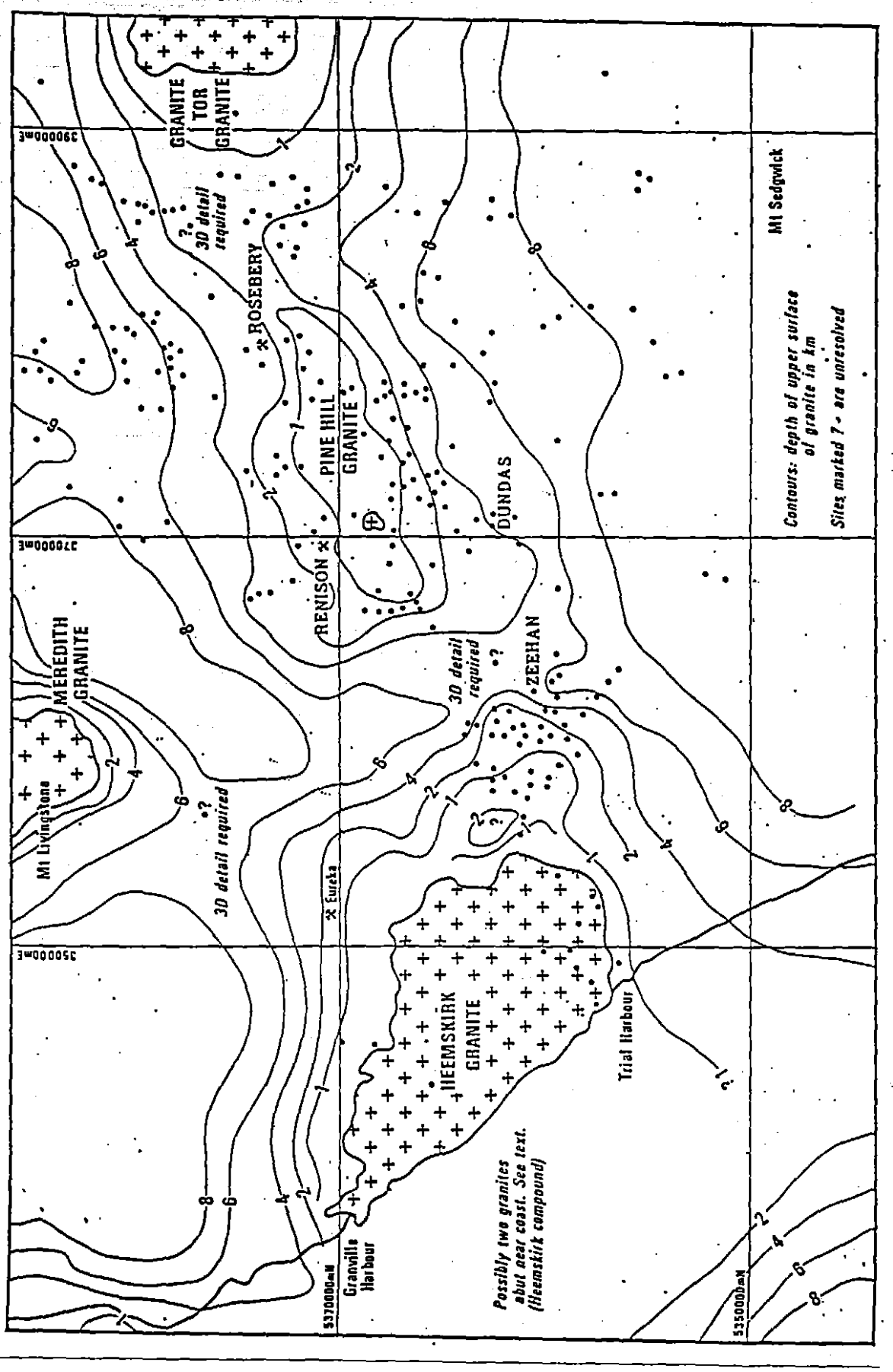
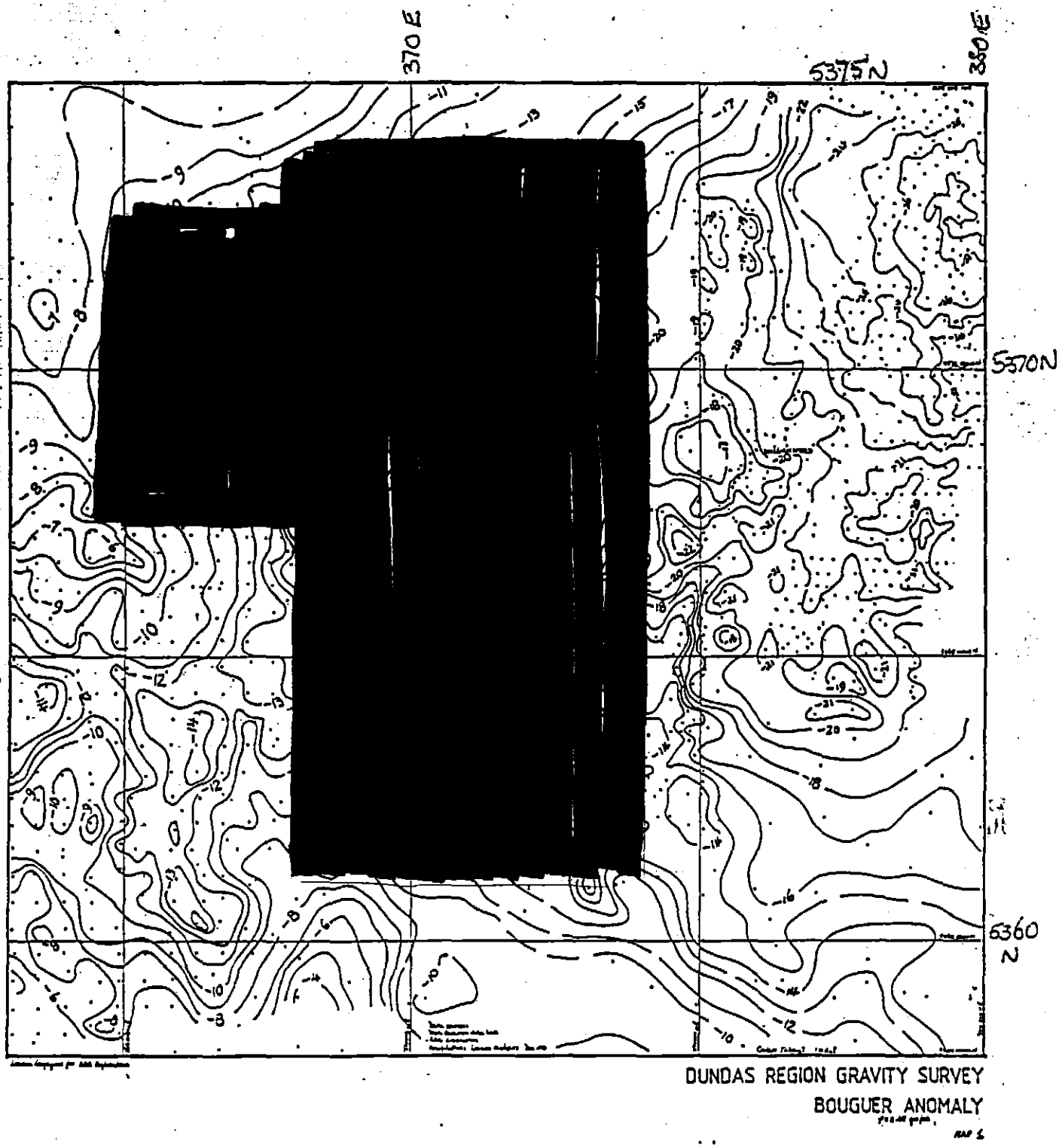


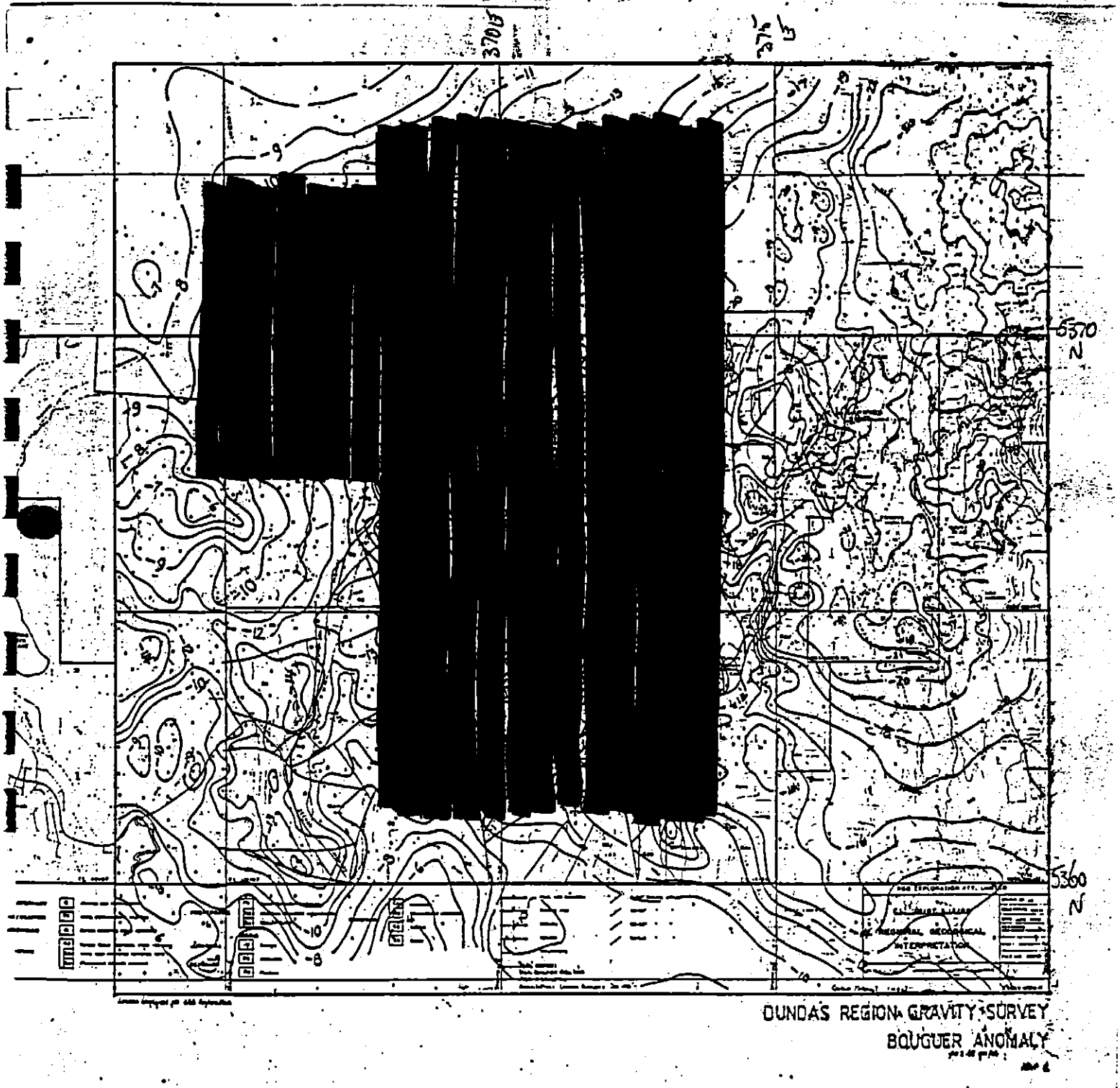
Figure 90. *Provisional interpretation of the form of the Heemskirk and Pine Hill granites. Mineralised sites (indicated*•*) from Leaman (1986a) and Bamford and Green (1986).*

PREVIOUS INTERPRETATION OF HEEMSKIRK GRANITE AND ASSOCIATI
WITH MINERALISED SITES (from Leaman & Richardson, 1989a)
FIGURE 2

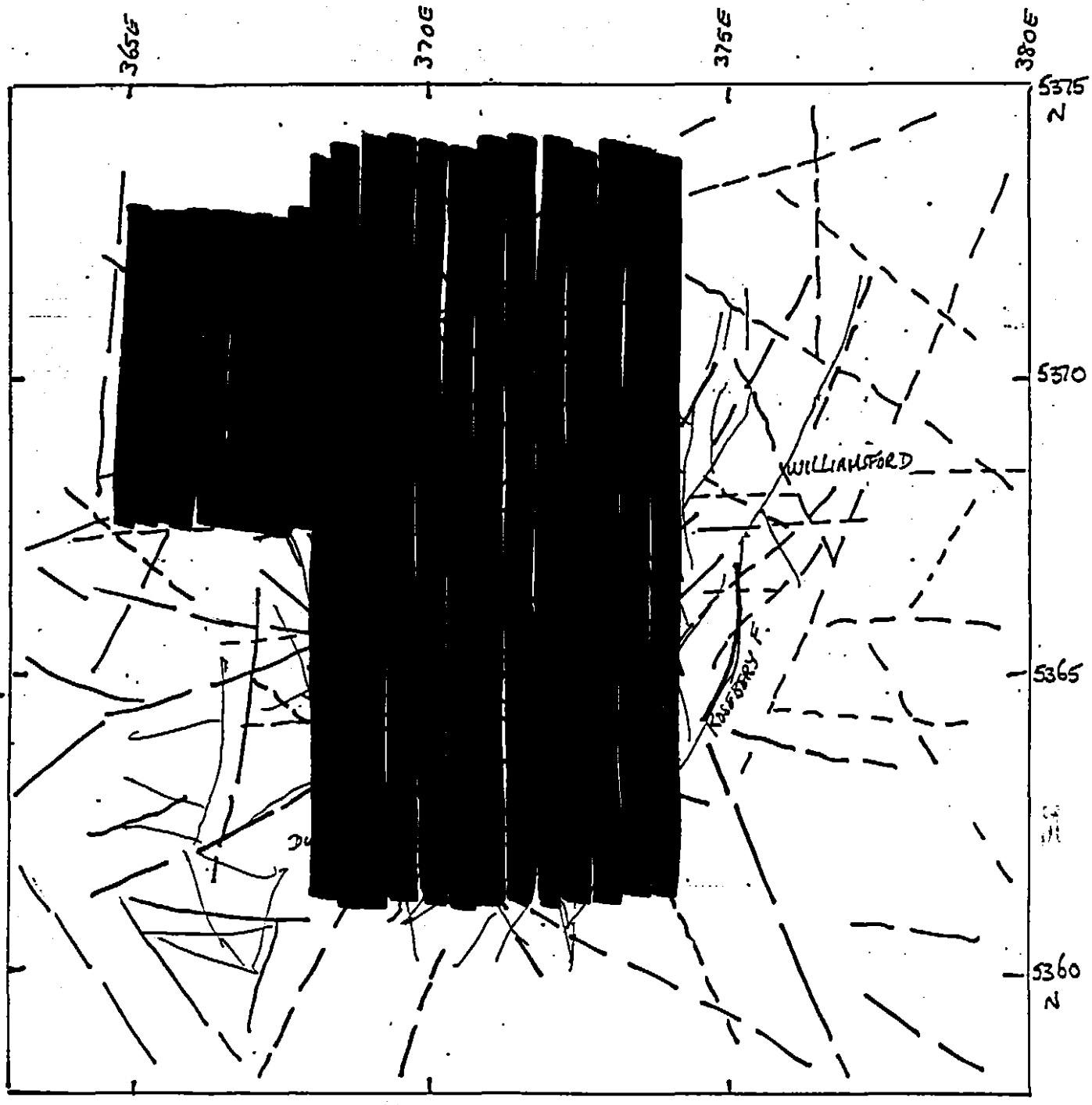


BOUGUER ANOMALY DUNDAS AREA

FIGURE 3A



BOUGUER ANOMALY AND GEOLOGICAL BASE MAP DUNDAS AREA
Basemap by RGC Exploration FIGURE 3B



TRENDS DUNDAS REGION
Light lines from geological base map (RGC source)
Heavy lines from gravity field map

FIGURE 4

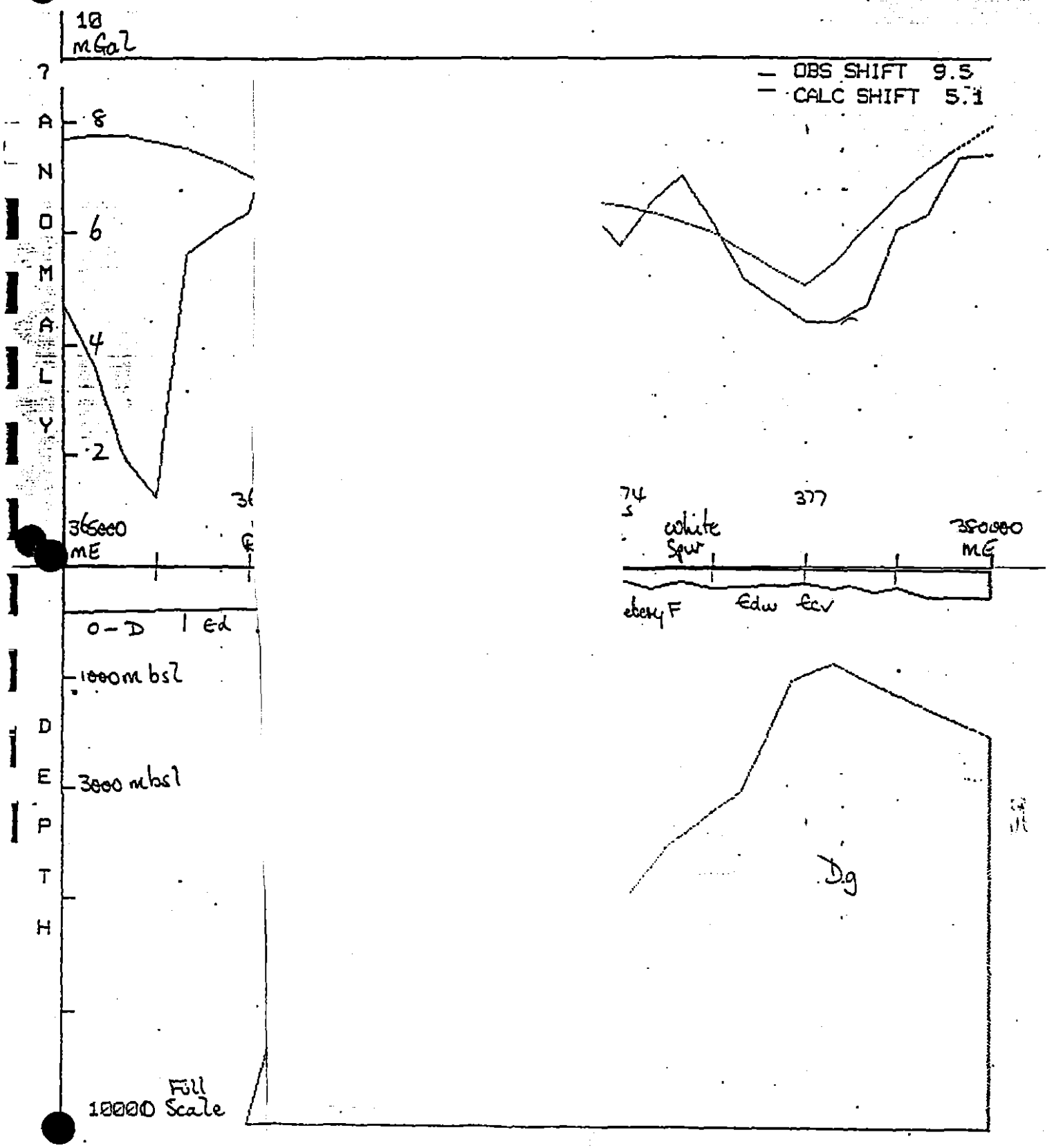
B GSMR375E

PROFILE EVALUATION
LEAMAN GEOPHYSICS

082307

0 1.00 B:RESG363N
1 1.00 B:G5AR363N

ERO SHIFT : 9.159733



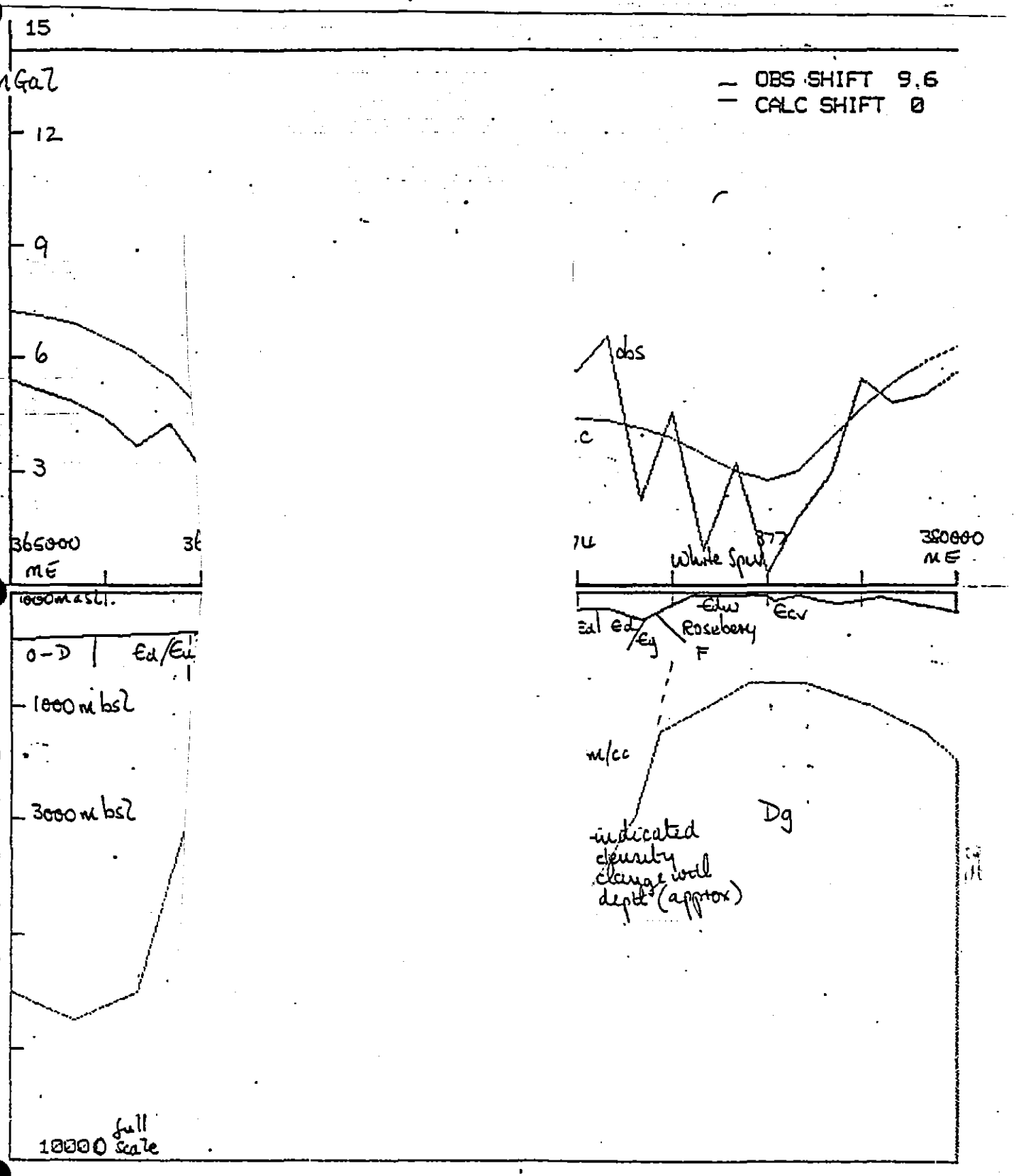
DUNDAS REGION 3D MODEL LINE 5363 000 mN FIGURE 5

PROFILE EVALUATION
LEAMAN GEOPHYSICS

082308

0 1.00 B:RESG365N
1 1.00 B:G5AR365N

ZERO SHIFT : 14.17879



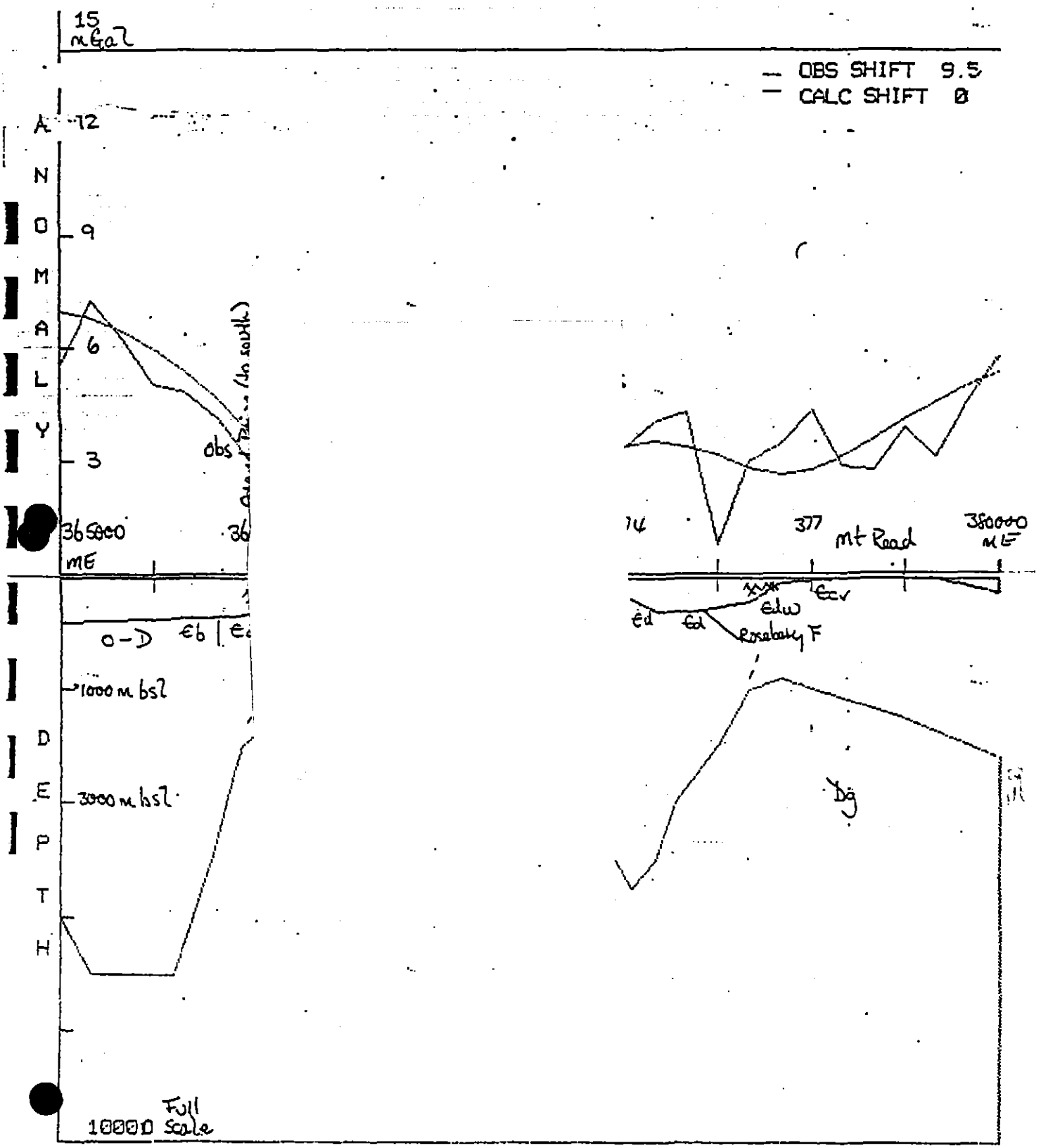
DUNDAS REGION 3D MODEL LINE 5365 000 mN FIGURE 6

082309

PROFILE EVALUATION
LEAMAN GEOPHYSICS

0 1.00 B:RESG366N
1 1.00 B:G5AR366N

ERO SHIFT : 13.98118



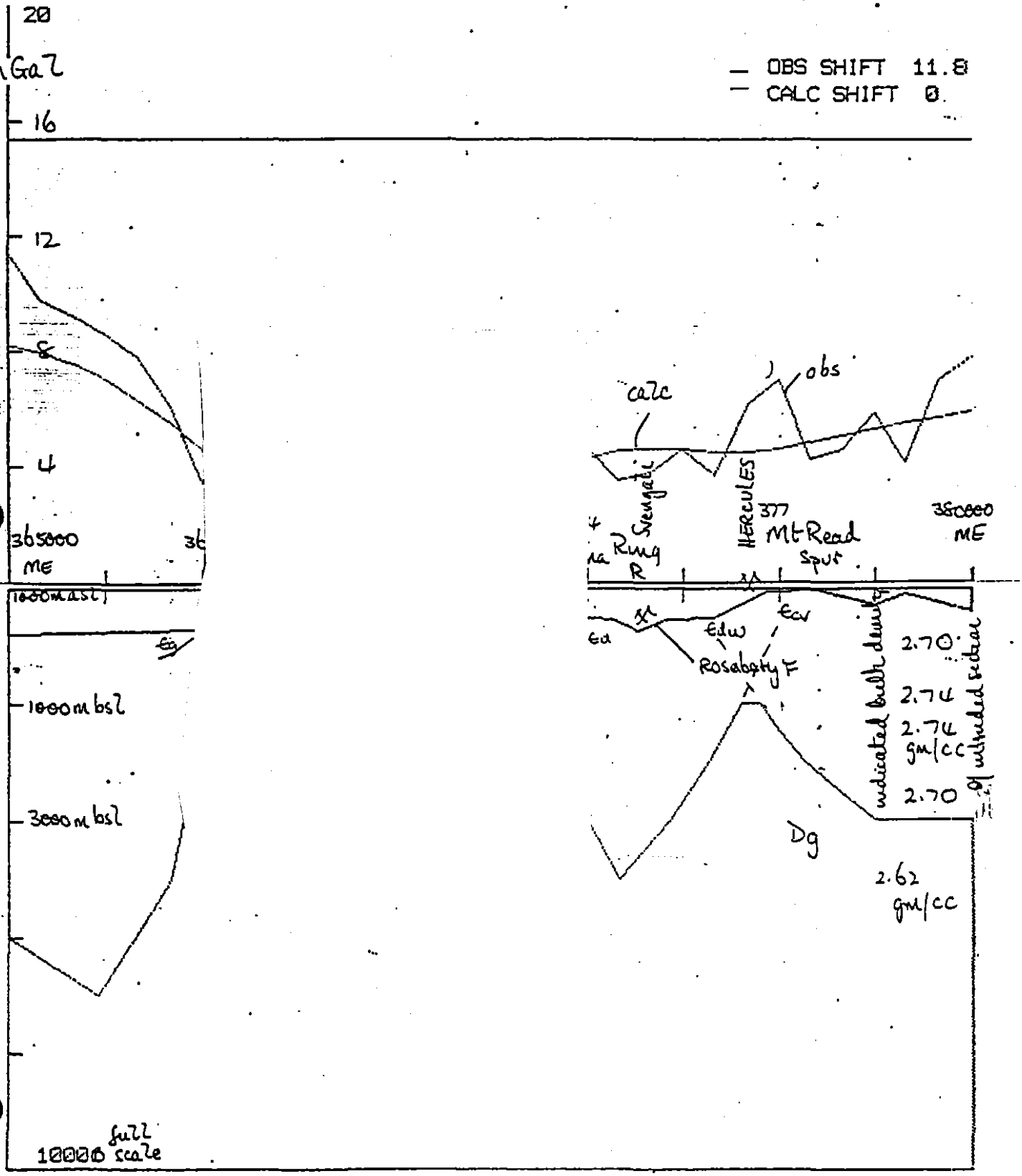
DUNDAS REGION 3D MODEL LINE 5366 000 mN FIGURE 7

082310

PROFILE EVALUATION
LEAMAN GEOPHYSICS

0 1.00 B:RESG367N
1.00 B:G5AR367N

ZERO SHIFT : 15.35313



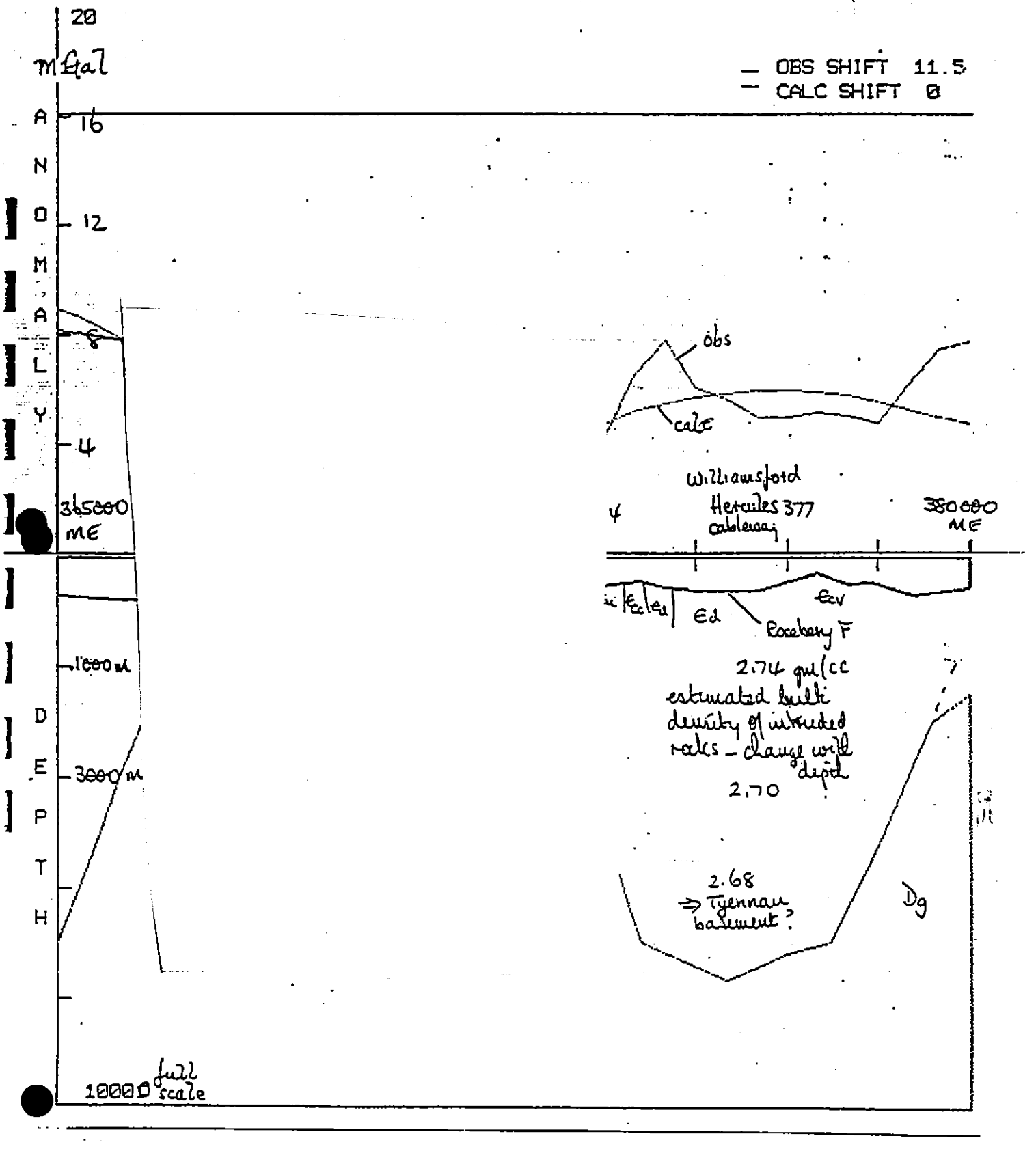
DUNDAS REGION 3D MODEL LINE 5367 000 mN FIGURE 8

PROFILE EVALUATION
LEAMAN GEOPHYSICS

082311

0 1.00 B:RESG369N
1 1.00 B:G5AR369N

ERO SHIFT : 16.09662



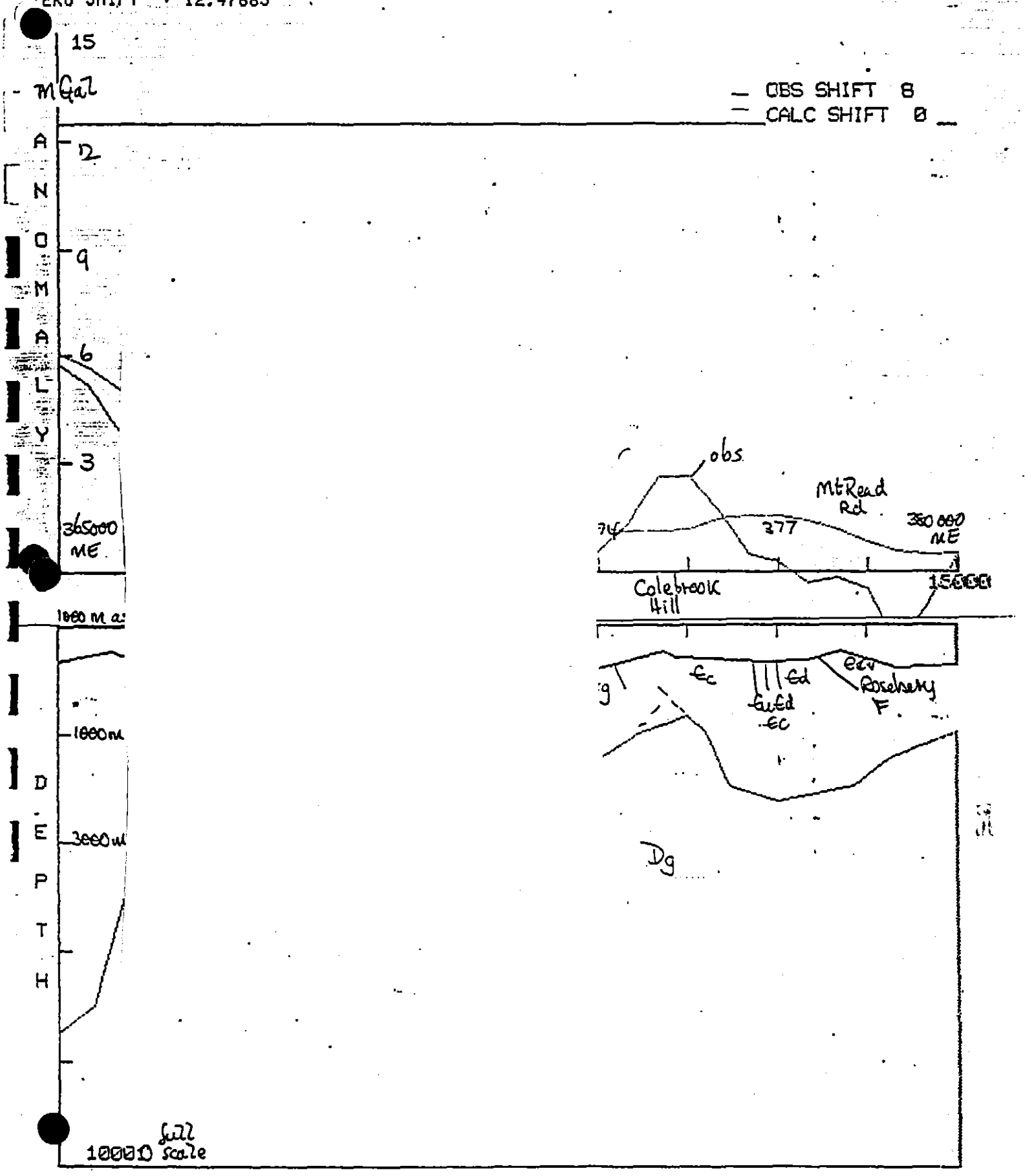
DUNDAS REGION 3D MODEL LINE 5369 000 mN FIGURE 9

PROFILE EVALUATION
LEAMAN GEOPHYSICS

082312

0 1.00 B:RESG371N
1 1.00 B:G5AR371N

ZERO SHIFT : 12.47685



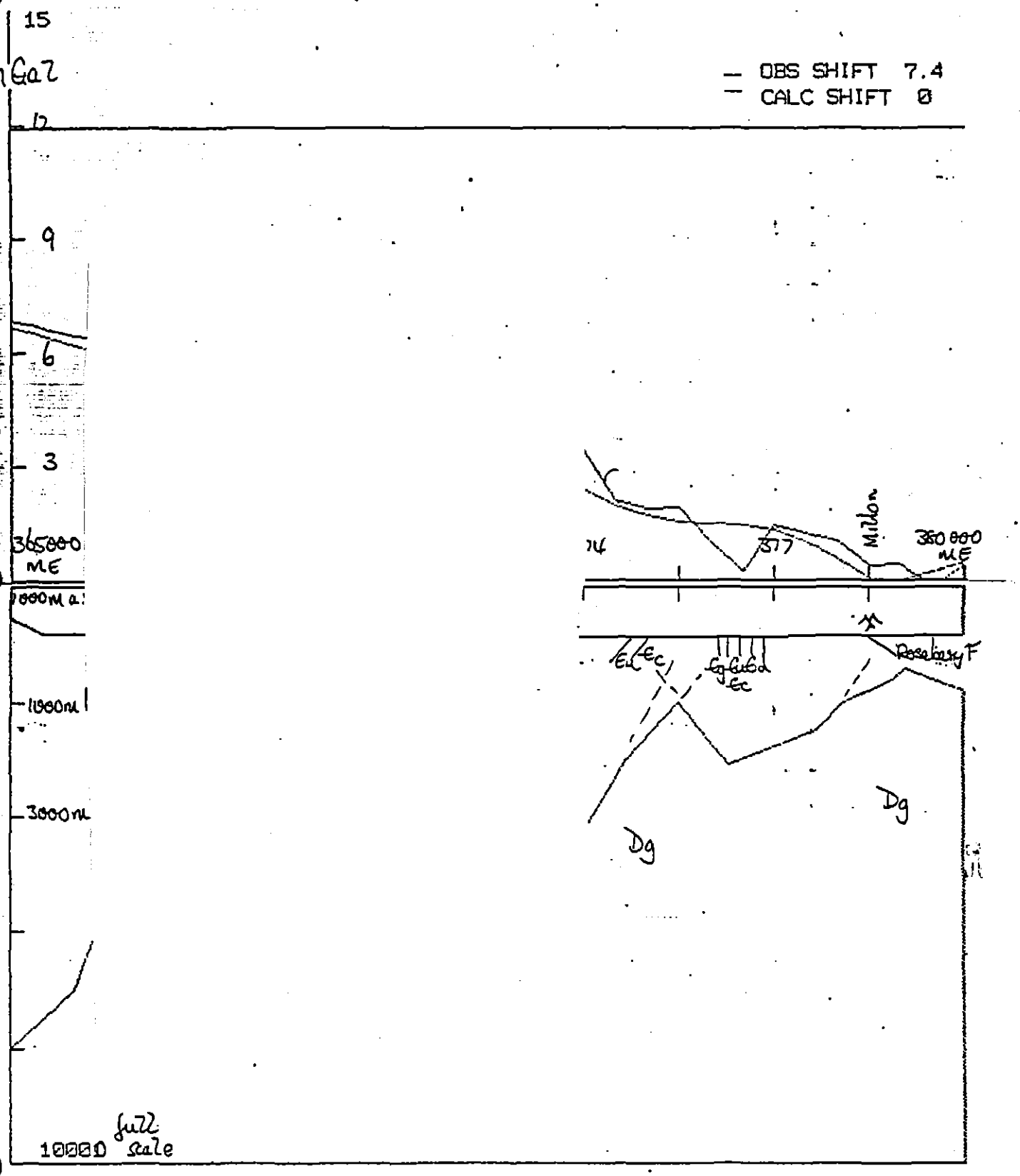
DUNDAS REGION 3D MODEL LINE 5371 000 mN FIGURE 10

PROFILE EVALUATION
LEAMAN GEOPHYSICS

082313

0 1.00 B:RESG373N
1 1.00 B:G5AR373N

ZERO SHIFT = 11.91249



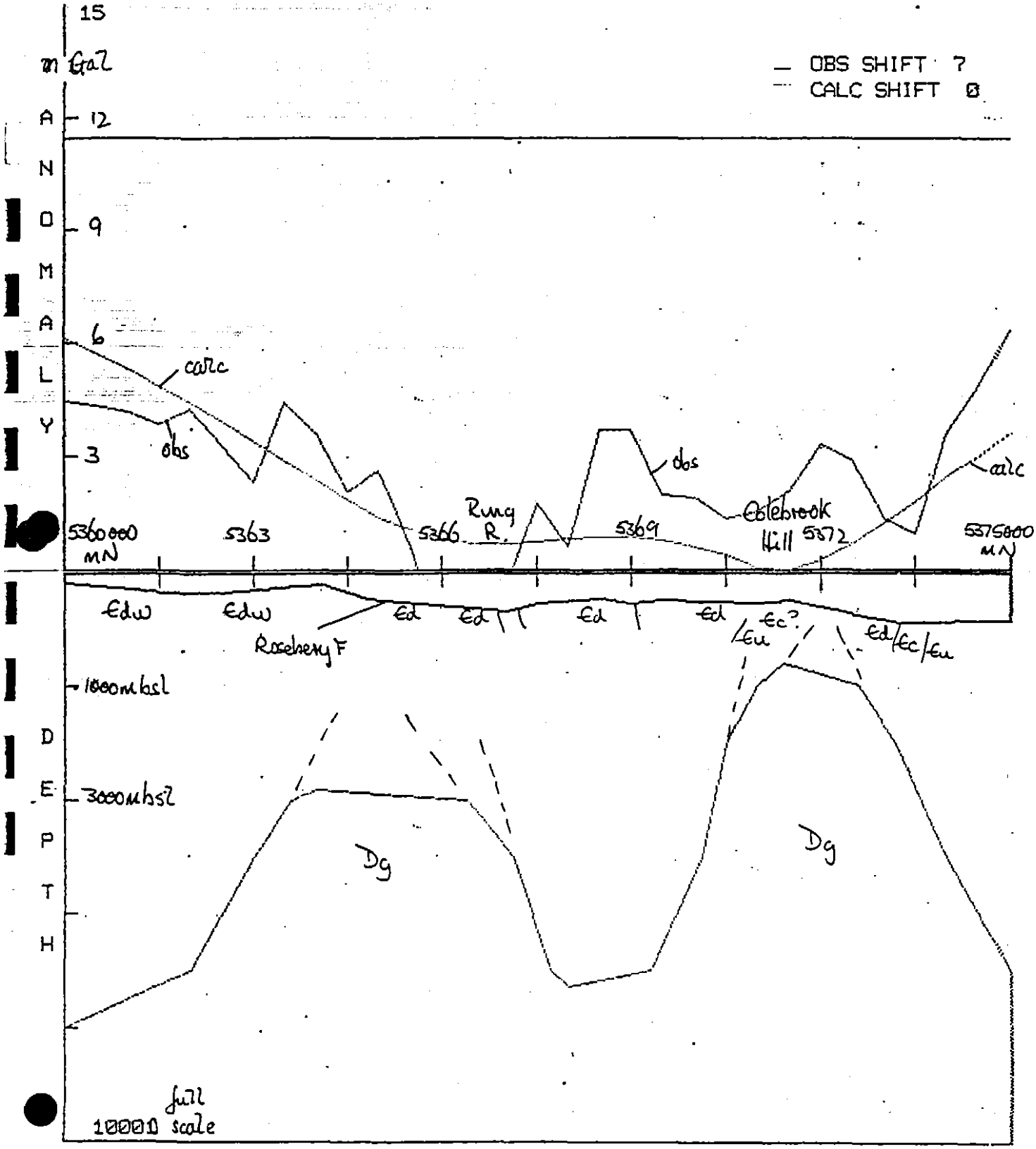
DUNDAS REGION 3D MODEL LINE 5373 000 mN FIGURE 11

082314

PROFILE EVALUATION
LEAMAN GEOPHYSICS

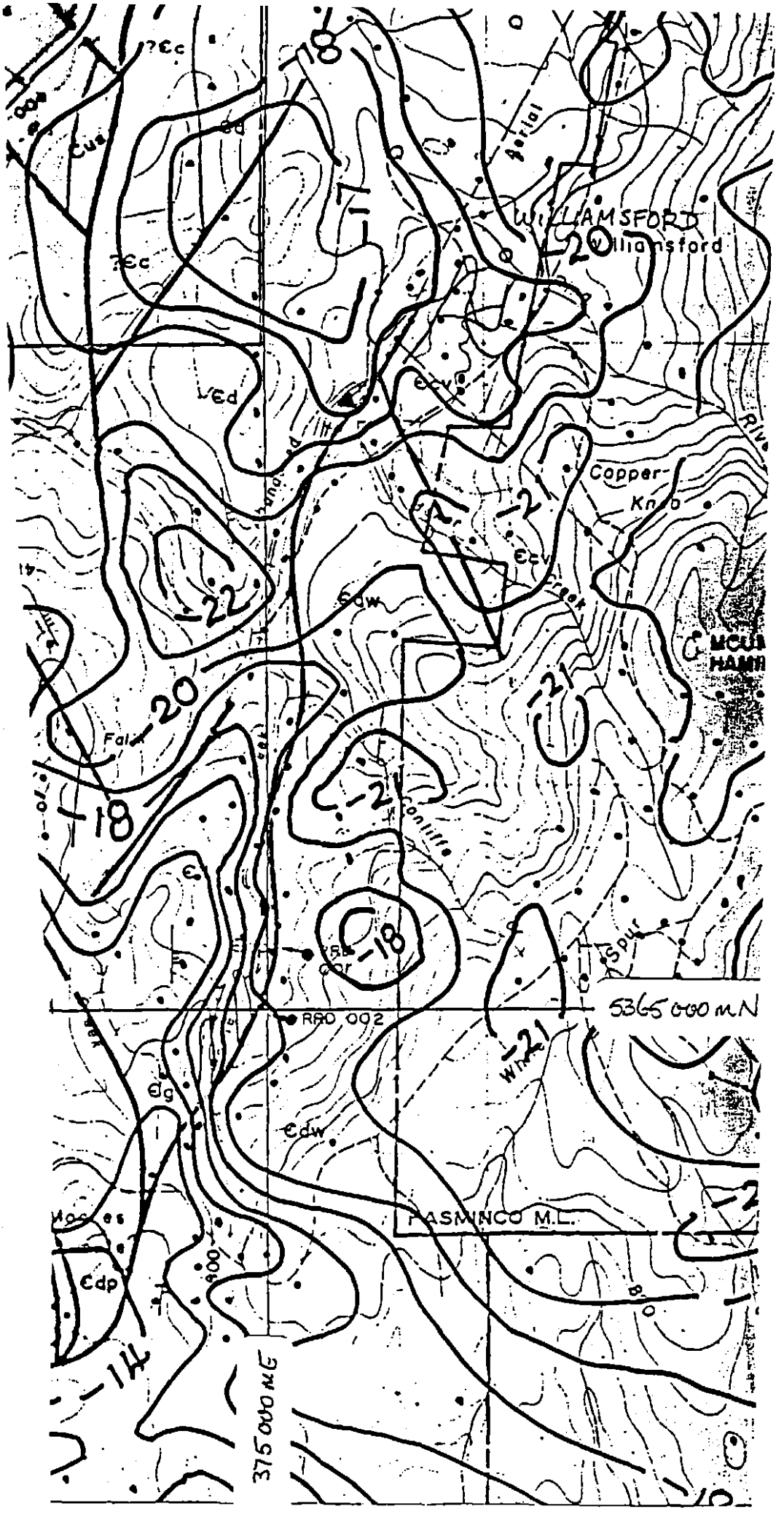
0 1.00 B:RESG375E
1 1.00 B:G5AR375E

ERO SHIFT : 11.4348

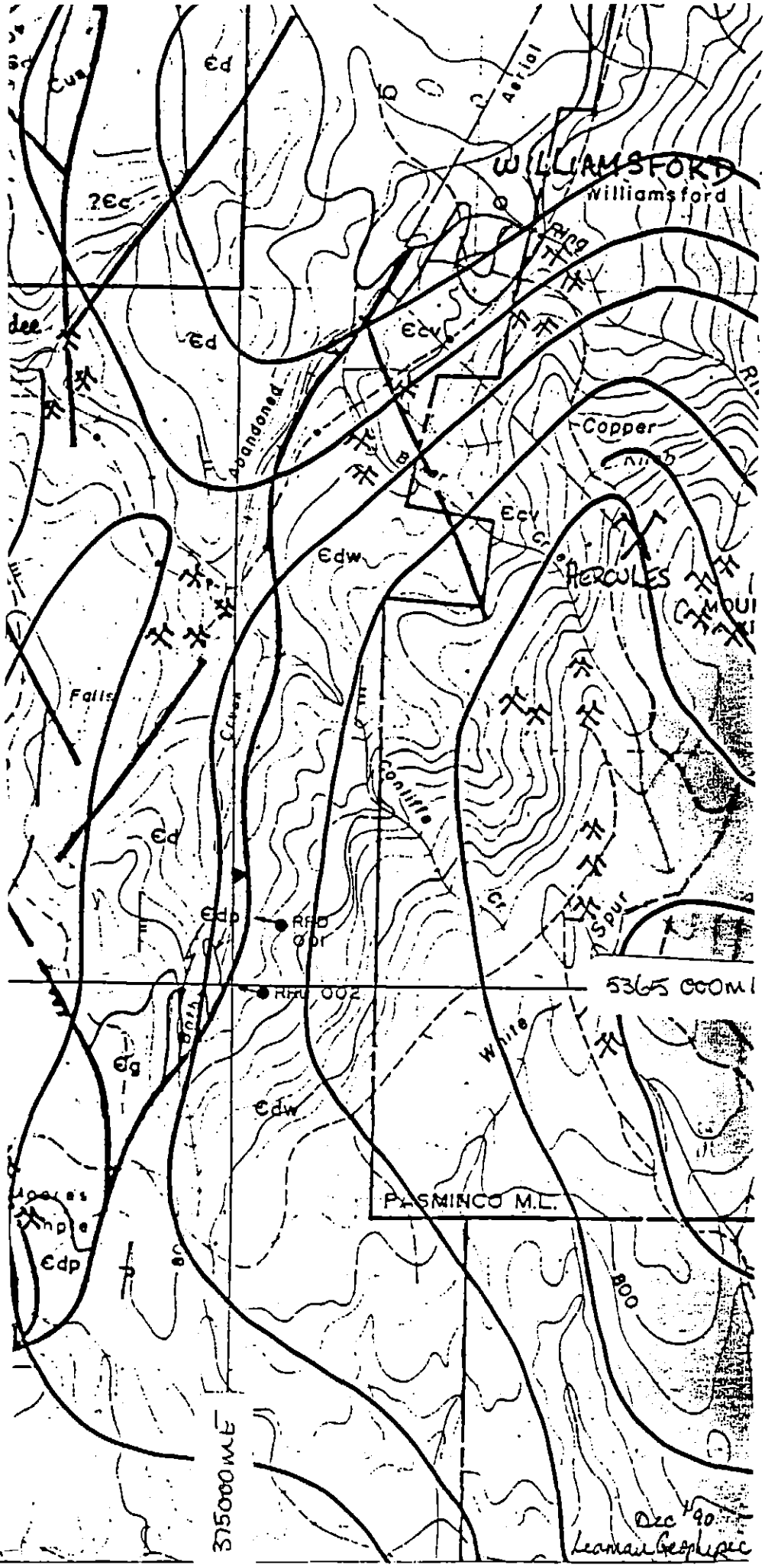


DUNDAS REGION 3D MODEL LINE 375 000 mE FIGURE 14

082315

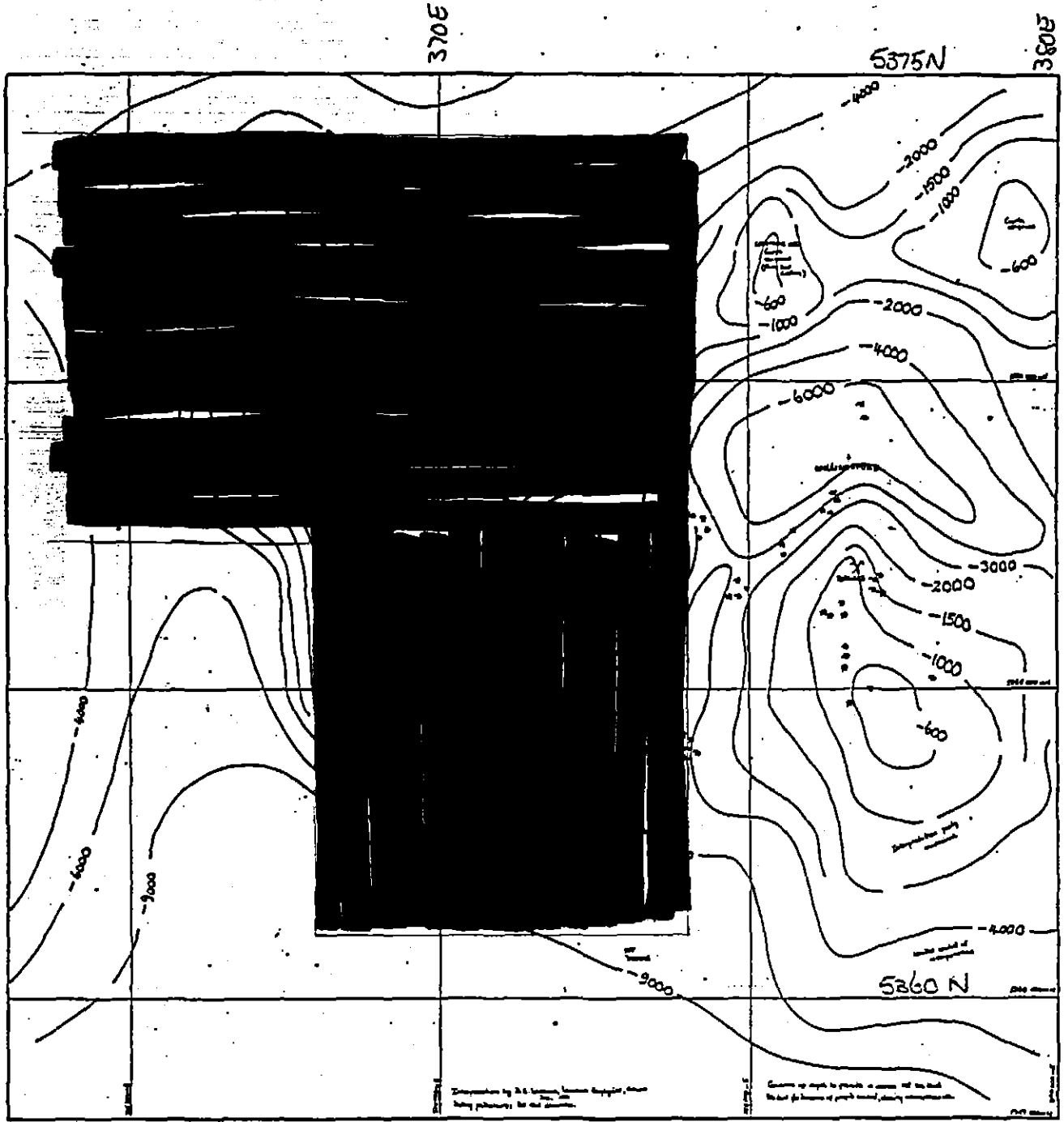


BOUGUER ANOMALY AND BASE MAP FIGURE 15A



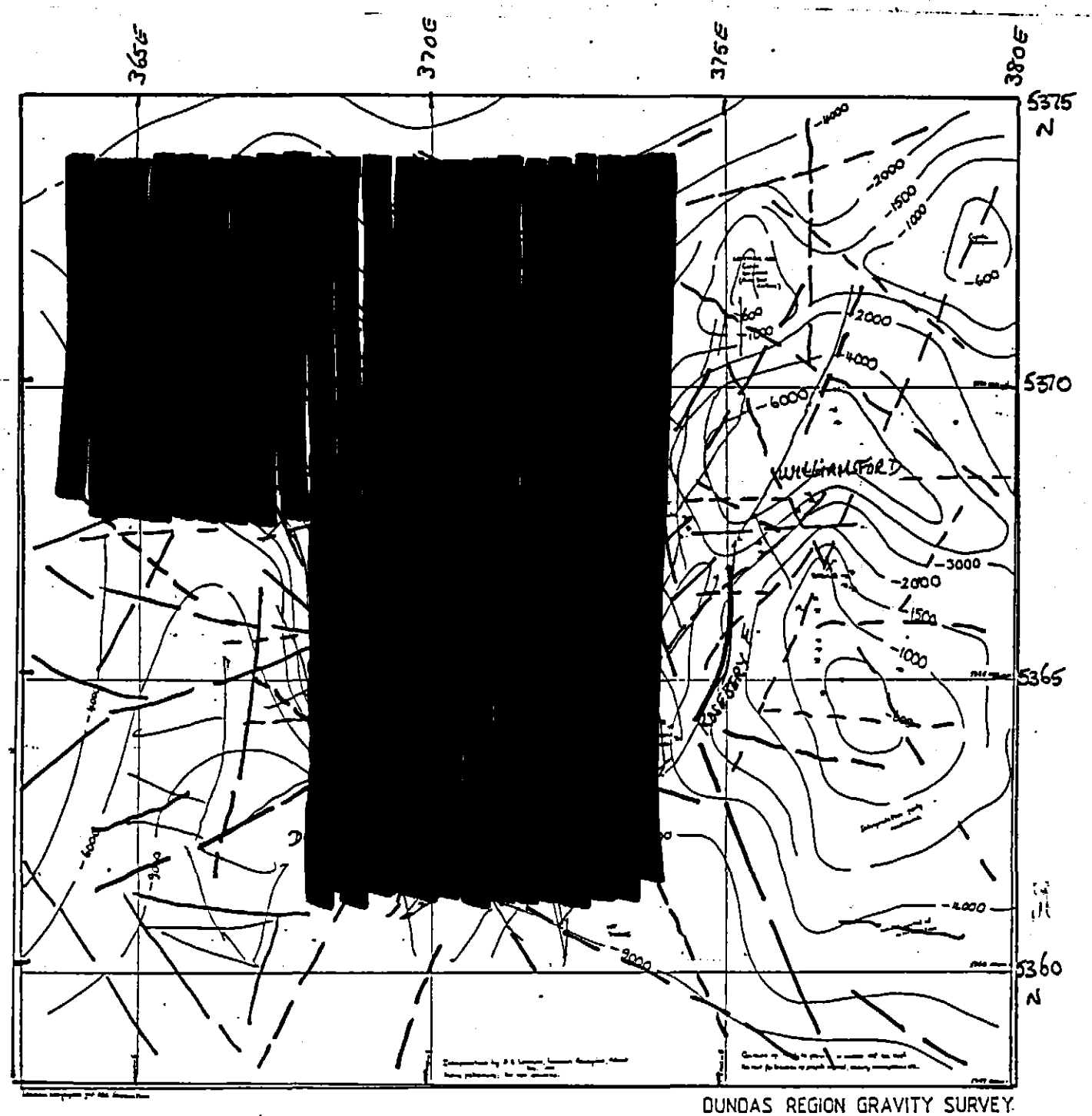
WILLIAMSFORD AREA MODEL AND BASE MAP
Base map by RGC Exploration

FIGURE 15B



DUNDAS REGION GRAVITY SURVEY.
INTERPRETATION
FORM OF PINE HILL GRANITE
MAP 2

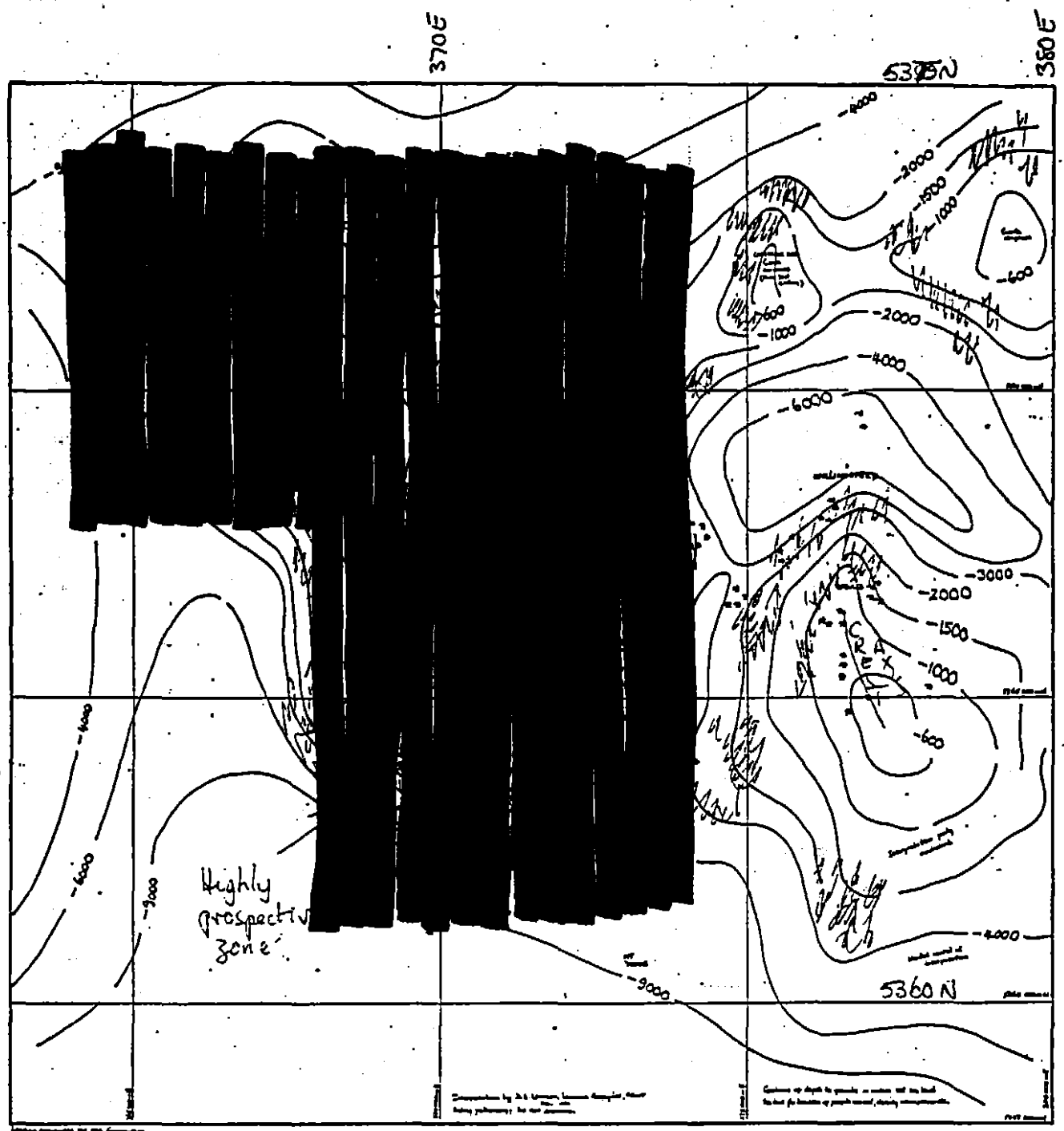
DUNDAS REGION CURRENT MODEL OF PINE HILL GRANITE
INTERPRETATION STATUS FIGURE 17



DUNDAS REGION GRAVITY SURVEY
INTERPRETATION
FORM OF PINE HILL GRANITE
MAP 2

DUNDAS REGION CURRENT GRANITE MODEL AND TRENDS

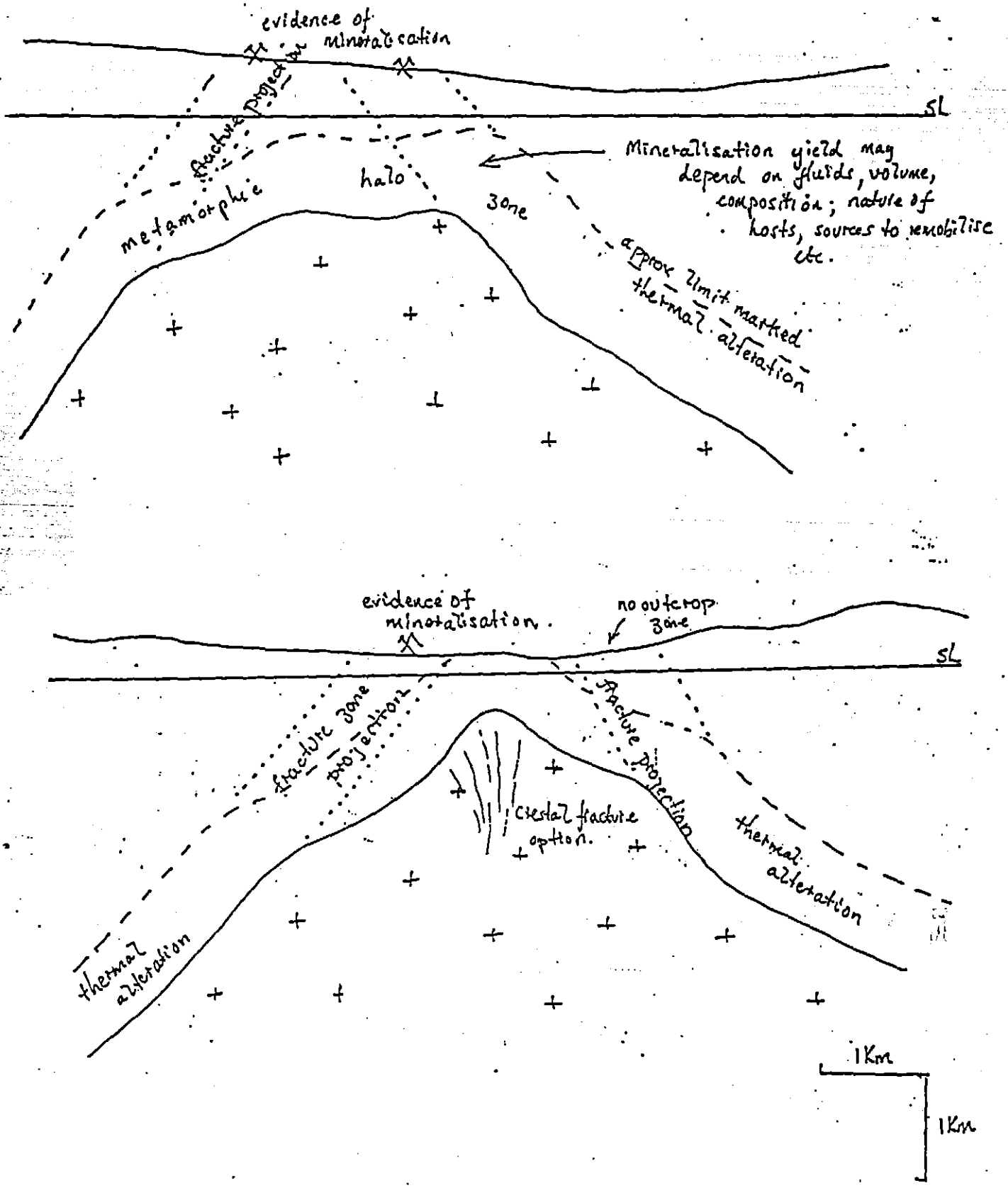
FIGURE 18



DUNDAS REGION GRAVITY SURVEY.
INTERPRETATION
FORM OF PINE HILL GRANITE
MAP 2.

DUNDAS REGION CURRENT GRANITE MODEL AND POSSIBLE TARGETS
FIGURE 19

082320



SUGGESTED RELATIONSHIPS BETWEEN GRANITE FORM AND MINERALISATION

APPENDIX 16

Analytical Results, Ring River Drilling Programme, RR001 & RR002.

R.G.C. Exploration Pty Ltd
RING

SURFACE DIAMOND DRILLHOLE : RRD001

PROJECT IDEN : RING	START DATE : 20 NOV 89	COMPLETION DATE : 16 JAN 90	LOGGED BY:DR. SCOTT W.HALLEY
COLLAR NORTHING: 65235.00	COLLAR EASTING : 75240.00	COLLAR ELEVATION: 554.00	GRID AZIMUTH : 0.00
DRILLED BY :DDT	TOTAL LENGTH : 283.00	CORE/HOLE SIZE : HQ	

SURVEY FLAG	SURVEY POINT LOCATION	FORESIGHT	AZIMUTH (DEGREES)	VERTICAL ANGLE (DEGREES)	NORTHING	EASTING	ELEVATION
000	0.00		270.00	-58.00	65235.00	75240.00	554.00
000	13.00		268.00	-58.00			
000	38.00		268.00	-58.00			
000	77.00		267.50	-55.50			
000	127.00		269.00	-51.00			
000	175.00		270.00	-50.00			
000	226.00		266.50	-48.50			
000	268.00		269.00	-48.50			

	- Interval - From (m)	To (m)	Rec. (m)	RQD (m)	Description	Unit
	0.00	32.60			MUDSTONE: 30%, sandstone, interbedded, 1% siderite veinlets of, trace chalcopyrite blebs of.	WHITE SPUR GROUP
R	0.00	32.60			THE CORE TRAYS WERE DROPPED, AND SUBSEQUENTLY THE CORE WAS	
R	0.00	32.60			OUT OF ORDER.	
	32.60	56.00			MUDSTONE: dark gray, 20%, siltstone, 10%, sandstone, interbedded, .03% pyrite disseminations of. 34.00 34.10 30% SANDSTONE: finely bedded, bedding: 47 deg to c.a. 34.80 34.90 80% MUDSTONE: finely bedded, bedding: 0 deg to c.a. 37.00 37.20 100% SANDSTONE: graded bedded, bedding: facing uphole, 70 deg to c.a. 42.10 42.20 60% MUDSTONE: finely bedded, graded bedded, fossiliferous, bedding: facing uphole, 33 deg to c.a. 45.70 45.90 60% MUDSTONE: finely bedded, graded bedded, fossiliferous, bedding: facing uphole, 40 deg to c.a. 50.10 50.20 70% SANDSTONE: finely bedded, graded bedded, bedding: facing uphole, 30 deg to c.a, 0.1% pyrite disseminations of. 54.50 54.70 100% SANDSTONE: graded bedded, bedding: facing uphole, 35 deg to c.a.	WHITE SPUR GROUP
R	54.70	59.20			TRAY NUMBER 12 WAS DROPPED, AND THUS CORE WAS OUT OF ORDER.	
	56.00	102.30			MUDSTONE: very dark gray, 5%, sandstone, 1% quartz veinlets of, 1% siderite veinlets of.	WHITE SPUR GROUP

22280

R.G.C. Exploration Pty Ltd
RING
SURFACE DIAMOND DRILLHOLE : RRD001 (CONTINUED)

	- Interval - From (m)	To (m)	Rec. (m)	RQD (m)	Description	Unit
R	59.20	63.40			TRAY NUMBER 13 WAS DROPPED, AND CORE WAS LOST . 64.60 64.70 90% MUDSTONE: finely bedded, bedding: 62 deg to c.a. 84.00 84.10 90% MUDSTONE: bedding: 52 deg to c.a. 89.10 89.20 80% MUDSTONE: finely bedded, bedding: 38 deg to c.a. 91.10 93.30 20% VEIN: 20% quartz veinlets of, 5% siderite veinlets of. 98.80 99.00 50% MUDSTONE: finely bedded, bedding: 33 deg to c.a.	
	102.30	121.40			MUDSTONE: dark gray, 10%, sandstone, 20%, siltstone, interbedded, 1% graphite stringers of. 103.30 103.40 100% MUDSTONE: finely bedded, bedding: 62 deg to c.a. 108.95 109.05 80% MUDSTONE: finely bedded, bedding: 48 deg to c.a. 114.40 114.60 90% MUDSTONE: finely bedded, bedding: 60 deg to c.a. 119.52 119.54 100% FAULT: fault: 53 deg to c.a, bedding: 53 deg to c.a.. 120.80 121.00 90% MUDSTONE: finely bedded, bedding: 44 deg to c.a.	WHITE SPUR GROUP
	121.40	142.40			MUDSTONE: very dark gray, 10%, sandstone, disrupted bedding, 2.5% graphite stringers of. 129.40 129.60 100% MUDSTONE: fault: 15 deg to c.a. 130.00 130.50 100% MUDSTONE: fault: 9 deg to c.a, graphite. 131.45 131.50 100% MUDSTONE: fault: 37 deg to c.a. 136.75 136.80 100% MUDSTONE: fault: 32 deg to c.a. 138.70 138.75 100% MUDSTONE: fault: 45 deg to c.a, graphite disseminations = veins. 139.30 139.35 100% MUDSTONE: fault: 40 deg to c.a, graphite disseminations = veins.	WHITE SPUR GROUP
	142.40	146.80			SANDSTONE: pale grey, massive.	WHITE SPUR GROUP
	146.80	159.35			MUDSTONE: dark gray, 20%, sandstone, interbedded, disrupted bedding, weakly foliated, .03% pyrite lenses of, 2.5% graphite stringers of.	WHITE SPUR GROUP
	159.35	161.20			SANDSTONE: pale grey, massive.	WHITE SPUR GROUP
	161.20	162.95			MUDSTONE: dark gray, 20%, sandstone, interbedded, disrupted	WHITE SPUR GROUP

0 8 2 3 3 3 3

R.G.C. Exploration Pty Ltd
RING
SURFACE DIAMOND DRILLHOLE : RRD001 (CONTINUED)

	- Interval - From (m)	To (m)	Rec. (m)	RQD (m)	Description	Unit
					bedding, 2.5% graphite stringers of.	
	162.95	168.85			SANDSTONE: pale green, 5%, mudstone, massive. 167.80 168.00 100% SANDSTONE: bedding: 57 deg to c.a, cleavage: 57 deg to c.a..	WHITE SPUR GROUP
	168.85	172.50			MUDSTONE: very dark gray, 5%, sandstone, disrupted bedding, 2.5% graphite stringers of.	WHITE SPUR GROUP
	172.50	185.85			MUDSTONE: medium gray, 30%, sandstone, brecciated, strongly foliated, disrupted bedding, 2.5% graphite stringers of.	WHITE SPUR GROUP
R	172.85	185.85			ZONE OF STRONG SHEARING AND DEFORMATION ADJACENT TO THE	
R	172.85	185.85			ROSEBERY FAULT	
	185.85	186.40			FAULT.	ROSEBERY FAULT
	186.40	271.10			TUFF: light green, 2.5%, mudstone, massive, feldspar phyric, 2.5% siderite stockwork.	DUNDAS GROUP CAMBRIAN
	271.10	282.75			MUDSTONE: very dark gray, finely bedded, 2.5% siderite veinlets of, .03% sphalerite veinlets of.	DUNDAS GROUP CAMBRIAN
	282.75	283.00			TUFF: light green, massive, feldspar phyric.	DUNDAS GROUP CAMBRIAN

08234

R.G.C. Exploration Pty Ltd
RING
SURFACE DIAMOND DRILLHOLE : RRD001 (CONTINUED)

001 ASSAYS

From	To	Number	COPPER	LEAD	ZINC	SILVER	ARSENIC	GOLD
40.00	41.00	29301	40.000	40.000	230.000	-0.500	29.000	-0.008
50.00	51.00	29302	30.000	65.000	230.000	-0.500	30.000	0.010
70.00	71.00	29303	270.000	5.000	50.000	-0.500	100.000	0.015
80.00	81.00	29304	120.000	5.000	45.000	-0.500	45.000	0.020
90.00	91.00	29305	150.000	10.000	55.000	-0.500	100.000	0.015
100.00	101.00	29306	25.000	5.000	45.000	-0.500	67.000	0.010
110.00	111.00	29307	25.000	-5.000	35.000	-0.500	93.000	0.020
120.00	121.00	29308	25.000	-5.000	35.000	-0.500	100.000	0.030
130.00	131.00	29309	10.000	20.000	70.000	-0.500	100.000	0.025
140.00	141.00	29310	5.000	20.000	45.000	-0.500	200.000	-0.008
150.00	151.00	29311	5.000	15.000	55.000	-0.500	100.000	0.015
160.00	161.00	29312	5.000	20.000	50.000	-0.500	45.000	0.020
170.00	171.00	29313	20.000	115.000	205.000	-0.500	100.000	0.020
180.00	181.00	29314	40.000	500.000	640.000	3.000	66.000	0.020
190.00	191.00	29315	5.000	10.000	60.000	-0.500	12.000	0.015
200.00	201.00	29316	5.000	-5.000	105.000	-0.500	3.000	-0.008
210.00	211.00	29317	5.000	-5.000	100.000	-0.500	1.000	0.010
220.00	221.00	29318	5.000	90.000	215.000	-0.500	6.000	0.020
230.00	231.00	29319	5.000	-5.000	110.000	-0.500	1.000	-0.008
240.00	241.00	29321	5.000	-5.000	65.000	-0.500	-1.000	-0.008
250.00	251.00	29322	5.000	-5.000	200.000	-0.500	-1.000	0.010
260.00	261.00	29323	5.000	-5.000	55.000	-0.500	-1.000	0.015
270.00	271.00	29324	5.000	100.000	355.000	-0.500	44.000	0.010
280.00	281.00	29325	30.000	80.000	125.000	1.000	84.000	0.015

082325

R.G.C. Exploration Pty Ltd
RING

SURFACE DIAMOND DRILLHOLE : RRD002

PROJECT IDEN	: RING	START DATE	: 27 NOV 89	COMPLETION DATE	: 12 DEC 89	LOGGED BY:	DR. SCOTT W.HALLEY
COLLAR NORTHING:	64970.00	COLLAR EASTING	: 75115.00	COLLAR ELEVATION:	570.00	GRID AZIMUTH	: 0.00
DRILLED BY	:DDT	TOTAL LENGTH	: 283.00	CORE/HOLE SIZE	: HQ		

SURVEY FLAG	SURVEY POINT LOCATION	FORESIGHT	AZIMUTH (DEGREES)	VERTICAL ANGLE (DEGREES)	NORTHING	EASTING	ELEVATION
000	0.00		270.00	-65.00	64970.00	75115.00	570.00
000	11.00		268.00	-63.25			
000	37.00		270.50	-60.33			
000	76.00		271.50	-54.50			
000	125.00		274.00	-50.25			
000	170.00		273.00	-49.00			
000	215.00		273.00	-47.03			
000	262.00		272.50	-45.63			

- Interval - From (m)	To (m)	Rec. (m)	RQD (m)	Description	Unit
0.00	1.00			NO CORE.	
1.00	11.45			GREYWACKE: darker gray, 20%, siltstone, coarsely bedded, 1% siderite veinlets of. 9.20 10.10 90% GREYWACKE: bedding: 42 deg to c.a, 1% siderite veinlets of, .03% chalcopyrite blebs of, 0.1% galena blebs of, 0.3% sphalerite veinlets of.	WHITE SPUR GROUP
11.45	148.30			MUDSTONE: dark gray, 10%, siltstone, 10%, sandstone, finely bedded, interbedded, veined, 1% quartz veinlets of, 1% siderite veinlets of, .03% pyrite disseminations of. 12.15 12.20 50% MUDSTONE: bedding: 35 deg to c.a. 14.10 14.20 100% MUDSTONE: 10% quartz veinlets of, 10% siderite veinlets of, 2.5% chalcopyrite blebs of, 0.3% sphalerite blebs of. 16.50 16.60 70% MUDSTONE: bedding: 30 deg to c.a. 17.70 18.00 30% SANDSTONE: graded bedded, finely bedded, bedding: facing uphole, 31 deg to c.a. 18.90 19.00 50% SILSTONE: bedding: 43 deg to c.a, cleavage: 28 deg to c.a.. 20.90 21.10 70% MUDSTONE: graded bedded, finely bedded, bedding: 39 deg to c.a, cleavage: unconformable, 28 deg to c.a.. 23.40 23.50 80% MUDSTONE: finely bedded, bedding: 37 deg to c.a.	WHITE SPUR GROUP

082326

R.G.C. Exploration Pty Ltd
RING
SURFACE DIAMOND DRILLHOLE : RRD002 (CONTINUED)

- Interval - From (m)	To (m)	Rec. (m)	RQD (m)	Description	Unit

stringers of.
26.40 26.50 60% SILSTONE: finely bedded, bedding: 38 deg to c.a, cleavage: 31 deg to c.a..
27.20 27.30 100% MUDSTONE: 30% quartz veinlets of, 20% graphite stringers of.
28.50 28.60 70% MUDSTONE: finely bedded, bedding: 60 deg to c.a.
31.80 31.90 90% MUDSTONE: finely bedded, bedding: 33 deg to c.a.
33.80 33.90 10% SANDSTONE: finely bedded, bedding: 20 deg to c.a.
34.80 35.00 100% FAULT: 30% graphite stringers of.
36.70 36.80 100% MUDSTONE: finely bedded, bedding: 0 deg to c.a.
39.90 40.00 70% MUDSTONE: finely bedded, bedding: 46 deg to c.a, cleavage: 32 deg to c.a..
41.80 41.90 50% SANDSTONE: finely bedded, graded bedded, bedding: 36 deg to c.a, cleavage: 23 deg to c.a..
45.00 65.00 90% MUDSTONE: 2.5% quartz veinlets of, 2.5% siderite veinlets of, 0.3% pyrite disseminations of, graphite.
47.70 47.80 80% MUDSTONE: finely bedded, bedding: 46 deg to c.a.
48.40 49.20 100% MUDSTONE: disrupted bedding, 5% siderite veinlets of, 2.5% graphite stringers of.
52.80 53.80 100% MUDSTONE: disrupted bedding, 5% siderite veinlets of, 2.5% graphite stringers of.
54.50 54.60 60% MUDSTONE: finely bedded, bedding: 52 deg to c.a.
56.20 56.30 90% MUDSTONE: finely bedded, bedding: 32 deg to c.a, 10% siderite veinlets of, 2.5% pyrite lenses of.
57.00 57.10 60% MUDSTONE: finely bedded, bedding: 0 deg to c.a, 5% pyrite lenses of.
60.30 61.60 90% MUDSTONE: disrupted bedding.
62.50 63.10 80% MUDSTONE: finely bedded, brecciated, veined, bedding: 33 deg to c.a, 20% quartz veinlets of, 10% siderite veinlets of.
64.30 64.70 100% FAULT: complete, mudstone, disrupted bedding, 5% quartz veinlets of, 5% siderite veinlets of, 0.1% chalcopyrite blebs of, 1% arsenopyrite veinlets of, 2.5% graphite stringers of.
67.00 67.10 80% MUDSTONE: finely bedded, bedding: 8 deg to c.a, 33 deg to c.a..
69.10 69.60 80% MUDSTONE: bedding: 0 deg to c.a, lower

CR 22280

R.G.C. Exploration Pty Ltd
RING
SURFACE DIAMOND DRILLHOLE : RRD002 (CONTINUED)

- Interval - From (m)	To (m)	Rec. (m)	RQD (m)	Description	Unit
				71.50 71.90 100% MUDSTONE: disrupted bedding, 20% siderite veinlets of, 5% graphite stringers of. 76.30 76.60 80% MUDSTONE: finely bedded, bedding: 47 deg to c.a. 84.90 85.10 90% MUDSTONE: finely bedded, bedding: 35 deg to c.a. 88.50 88.90 60% MUDSTONE: finely bedded, bedding: 0 deg to c.a. 93.00 93.10 80% MUDSTONE: finely bedded, bedding: 58 deg to c.a. 96.10 97.70 80% MUDSTONE: disrupted bedding, 1% quartz veinlets of, 2.5% siderite veinlets of, 2.5% graphite stringers of. 99.85 110.00 90% MUDSTONE: finely bedded, bedding: 68 deg to c.a, cleavage: 51 deg to c.a., 2.5% pyrite blebs of. 103.40 103.45 30% MUDSTONE: disrupted bedding, fault: 51 deg to c.a. 105.20 105.40 90% MUDSTONE: finely bedded, bedding: 63 deg to c.a, cleavage: 44 deg to c.a.. 106.80 115.70 80% MUDSTONE: disrupted bedding, 2.5% quartz veinlets of, 10% siderite veinlets of, 2.5% graphite stringers of. 118.60 118.90 90% MUDSTONE: finely bedded, bedding: 45 deg to c.a. 121.50 121.90 90% MUDSTONE: finely bedded, bedding: 46 deg to c.a, 2.5% pyrite lenses of. 126.00 126.30 90% MUDSTONE: finely bedded, bedding: 15 deg to c.a. 128.15 128.30 100% VEIN: vein: 30 deg to c.a, 70% quartz veinlets of, 30% siderite veinlets of. 136.00 136.30 100% MUDSTONE: finely bedded, bedding: 24 deg to c.a. 139.20 139.30 100% FAULT: fault: 47 deg to c.a. 144.60 144.70 60% MUDSTONE: finely bedded, graded bedded, bedding: facing uphole, 60 deg to c.a. 144.80 148.30 90% MUDSTONE: disrupted bedding, 1% pyrite lenses of.	
148.30	148.95			FAULT: dark gray, fault: 64 deg to c.a, fault: 64 deg to c.a..	ROSEBERY FAULT
148.95	185.00			MUDSTONE: very dark gray, fractured, veined, massive, 2.5% siderite veinlets of. 152.85 152.90 100% MUDSTONE: fault: 72 deg to c.a.	DUNDAS GROUP CAMBRIAN

92230

R.G.C. Exploration Pty Ltd
RING
SURFACE DIAMOND DRILLHOLE : RRD002 (CONTINUED)

	- Interval - From (m)	To (m)	Rec. (m)	RQD (m)	Description	Unit
					155.22 155.24 100% MUDSTONE: fault: 45 deg to c.a. 158.90 159.00 100% MUDSTONE: finely bedded, bedding: 56 deg to c.a. 163.50 163.60 100% MUDSTONE: finely bedded, bedding: 54 deg to c.a. 164.40 164.50 100% MUDSTONE: finely bedded, bedding: 0 deg to c.a. 169.00 169.20 100% MUDSTONE: finely bedded, bedding: 42 deg to c.a. 172.90 173.05 100% MUDSTONE: fault: 16 deg to c.a. 175.80 175.90 100% MUDSTONE: finely bedded, bedding: 45 deg to c.a. 177.18 177.22 100% MUDSTONE: fault: 42 deg to c.a. 178.00 178.10 100% MUDSTONE: finely bedded, bedding: 47 deg to c.a.	
	185.00	200.02			BRECCIA: dark gray, 70%, mudstone, 20%, sandstone clasts, nodular, 10% siderite stringers of.	DUNDAS GROUP CAMBRIAN
	200.02	203.40			SANDSTONE: pale grey, massive, 2.5% siderite veinlets of, 40% silica alteration.	DUNDAS GROUP CAMBRIAN
	203.40	205.15			MUDSTONE: very dark gray, 20%, sandstone, brecciated, 2.5% siderite veinlets of.	DUNDAS GROUP CAMBRIAN
	205.15	210.00			SANDSTONE: pale grey, 20%, mudstone, brecciated, feldspar phyric, 2.5% siderite veinlets of.	DUNDAS GROUP CAMBRIAN
R	205.15	210.00			THIS ROCK LACKS DISTINCT BEDDING,HAS EXTREMLY CONVOLUTED AND	
R	205.15	210.00			BRECCIATED CONTACTS AND CONTAINS COARSE FRESH FELDSPAR.IT MAY	
R	205.15	210.00			BE A SUBMARINE EXTRUSIVE,IN PART REWORKED.	
	210.00	213.76			MUDSTONE: very dark gray, brecciated, finely bedded, 2.5% siderite veinlets of.	DUNDAS GROUP CAMBRIAN
	213.76	216.00			SANDSTONE: pale green, massive, 5% siderite veinlets of.	DUNDAS GROUP CAMBRIAN
	216.00	216.95			MUDSTONE: very dark gray, brecciated, 2.5% siderite veinlets of.	DUNDAS GROUP CAMBRIAN
	216.95	218.60			SANDSTONE: pale grey, brecciated, 2.5% siderite veinlets of.	DUNDAS GROUP CAMBRIAN
	218.60	221.50			MUDSTONE: dark gray, brecciated, 5% siderite veinlets of.	DUNDAS GROUP CAMBRIAN

0820

R.G.C. Exploration Pty Ltd
RING
SURFACE DIAMOND DRILLHOLE : RRD002 (CONTINUED)

	- Interval - From (m)	To (m)	Rec. (m)	RQD (m)	Description	Unit
	223.35	224.05			MUDSTONE: dark gray, 2.5% siderite veinlets of.	DUNDAS GROUP CAMBRIAN
	224.05	224.80			SILSTONE: pale green, massive, 1% pyrite euhedral crystals of.	DUNDAS GROUP CAMBRIAN
	224.80	229.50			MUDSTONE: dark gray, finely bedded.	DUNDAS GROUP CAMBRIAN
	229.50	233.15			SILSTONE: pale green, massive, 30% silica alteration.	DUNDAS GROUP CAMBRIAN
	233.15	235.60			MUDSTONE: dark gray, brecciated, 5% siderite veinlets of.	DUNDAS GROUP CAMBRIAN
	235.60	237.60			SILSTONE: pale green, massive.	DUNDAS GROUP CAMBRIAN
R	235.60	237.60			SHARP LOWER CONTACT DISCORDANT TO BEDDING IN MUDSTONE, LOOKS	
R	235.60	237.60			LIKE AN INTRUSIVE CONTACT	
	237.60	244.90			MUDSTONE: dark gray, 10%, siltstone, disrupted bedding, 2.5% siderite veinlets of, .03% sphalerite blebs of.	DUNDAS GROUP CAMBRIAN
	244.90	251.60			SILSTONE: pale green, stockworked.	DUNDAS GROUP CAMBRIAN
	251.60	255.00			MUDSTONE: very dark gray, finely bedded, disrupted bedding, 1% siderite veinlets of.	DUNDAS GROUP CAMBRIAN
	255.00	255.90			SILSTONE: pale green, stockworked.	DUNDAS GROUP CAMBRIAN
	255.90	265.90			MUDSTONE: dark gray, 10%, siltstone, stockworked, 1% siderite veinlets of.	DUNDAS GROUP CAMBRIAN
	265.90	272.20			SILSTONE: pale green, 10%, mudstone, stockworked.	DUNDAS GROUP CAMBRIAN
	272.20	282.20			MUDSTONE: very dark gray, stockworked, 1% siderite veinlets of.	DUNDAS GROUP CAMBRIAN
	282.20	283.00			SILSTONE: light green.	DUNDAS GROUP CAMBRIAN

008280

R.G.C. Exploration Pty Ltd
RING
SURFACE DIAMOND DRILLHOLE : RRD002 (CONTINUED)

001 ASSAYS

From	To	Number	COPPER	LEAD	ZINC	SILVER	ARSENIC	GOLD
10.00	11.00	29326	45.000	180.000	560.000	-0.500	58.000	0.020
20.00	21.00	29327	35.000	485.000	830.000	1.000	29.000	0.030
30.00	31.00	29328	25.000	125.000	740.000	1.000	-1.000	0.030
40.00	41.00	29329	65.000	70.000	155.000	-0.500	9.000	0.015
50.00	51.00	29330	65.000	190.000	295.000	1.000	28.000	0.020
60.00	61.00	29331	20.000	180.000	215.000	1.000	11.000	0.025
70.00	71.00	29332	25.000	30.000	70.000	1.000	9.000	0.010
80.00	81.00	29333	50.000	10.000	95.000	-0.500	3.000	0.025
90.00	91.00	29334	40.000	30.000	160.000	-0.500	15.000	0.015
100.00	101.00	29335	40.000	15.000	60.000	-0.500	35.000	0.030
110.00	111.00	29336	35.000	-5.000	45.000	-0.500	100.000	0.025
120.00	121.00	29337	40.000	60.000	140.000	-0.500	16.000	0.020
130.00	131.00	29338	30.000	20.000	55.000	-0.500	15.000	0.035
140.00	141.00	29339	20.000	5.000	40.000	-0.500	-1.000	0.025
150.00	151.00	29341	40.000	-5.000	45.000	-0.500	15.000	0.015
160.00	161.00	29342	45.000	-5.000	85.000	-0.500	11.000	0.015
170.00	171.00	29343	45.000	-5.000	60.000	-0.500	7.000	-0.008
180.00	181.00	29344	65.000	-5.000	35.000	-0.500	16.000	0.010
190.00	191.00	29345	5.000	-5.000	60.000	-0.500	6.000	0.035
200.00	201.00	29346	5.000	-5.000	60.000	-0.500	12.000	0.020
210.00	211.00	29347	20.000	5.000	40.000	-0.500	10.000	0.025
220.00	221.00	29348	40.000	-5.000	65.000	-0.500	4.000	0.040
230.00	231.00	29349	5.000	45.000	95.000	-0.500	7.000	0.035
240.00	241.00	29350	15.000	10.000	75.000	-0.500	5.000	0.030
250.00	251.00	29351	5.000	10.000	85.000	-0.500	4.000	0.020
260.00	261.00	29352	20.000	325.000	470.000	1.000	11.000	0.020
270.00	271.00	29353	20.000	-5.000	80.000	-0.500	3.000	0.035
280.00	281.00	29354	60.000	245.000	190.000	-0.500	9.000	0.025

08233

082332

MICROFILMED

E.L. 101/87 DUNDAS AND

E.L. 13/88 MOORES PIMPLE

PARTIAL RELINQUISHMENT REPORT

FOR THE PERIOD 1988 to 1992

VOLUME 2

92-3358

MINES
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- 2 JUN 1992
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Action Officer | Initials
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Compiled By: D.J.F. Crossing
Senior Geologist

Report No. T/92/7

May, 1992

Endorsed By: M.J. Fleming
Senior Exploration Geologist

Distribution: • Tasmania Mines Department (1)
o RGC Exploration (1)

RENISON M.L.

GRAND PRIZE FAULT

KAPI FAULT

GREAT NORTHERN FAULT

BRICKFIELDS FAULT

DUNDAS ROAD

ROSEBERY FAULT

RING RIVER GRID

MONTEZUMA GRID

MT. DUNDAS GRID

PASMINCO M.L.

E.L. 101/87

E.L. 42/87

E.L. 13/88

MT RAZORBACK

MT DUNDAS

MOUNT HAMILTON

MOUNT READ

ZEEHAN

PARTING CREEK LAKE

Lake Johnston

Williamsford

Commonwealth Hill

Black Hill

Misery Hill

Turbine Hill

Kosminski Hill

Frazer Falls

Montezuma Falls

Copper Knob

Tower

Airfield

Abandoned

Tramway

Railway

Creek

River

Ridge

Spur

Falls

Mine

Workings

Concert

Comet

Climax

Dundas

Melba Flats

Zeehan Rl.

Little Henty River

Henty River

Queen River

White Spur Creek

Dodson Creek

Montezuma Creek

Frazer Creek

Hunt Creek

Moores Creek

Roberts Creek

Comet Creek

South Comet Creek

Climax Creek

Concert Creek

Mitchell Creek

Gauge Creek

Melba Creek

Zeehan Rl. Creek

Dundas Creek

Fernfield Creek

Abandoned Creek

Mitchell Spur

Frazer Spur

Montezuma Spur

Roberts Ridge

Hunt Ridge

Moores Ridge

Tramway

Railway

Airfield

Abandoned

Mine Workings

Adit

Shaft

Trig. Station

Spot Height

Contour

Creek

River

Ridge

Spur

Falls

Tower

Lake

Mount

Hill

Knob

Flat

Flats

Gauge

Rl.

Rayno

Say

Emu

Db

Df

Dp

Dg

Cc

Cb

Cus

Cu

Cg

Cd

Cdf

Cdw

Cdv

Cv

Q

Po

Pod

Poc

Jd

O

Ds

MZ 001

MZ 002

MZ 003

MZ 004

MZ 005

RRD 001

RRD 002

5 cm

QUARTERNARY

- Q — ALLUVIUM AND FLUVIO-GLACIALS

DEVONIAN / SILURIAN

- Ds — SHALE, SILTSTONE, SANDSTONE
- Df — FLORENCE QUARTZITE

ORDOVICIAN

- O — GORDON LIMSTONE, MOINA SANDSTONE

PROTEROZOIC

- Po — OONAH FORMATION SEDIMENTS
- Pod — MAESTRIES (DOLOMITIC) CONGLOMERATES
- Poc — CONCERT SCHIST

CAMBRIAN

- Cd — DUNDAS GROUP SEDIMENTS, MINOR VOLCANICS
- Cdf — FERNFIELD FM. GREYWACKE, CONGLOMERATIC
- Cv — (PORPHYRITIC) RHYOLITIC VOLCANICS
- Cdw — WHITE SPUR FORMATION TURBIDITES
- Cu — ULTRAMAFIC
- Cus — SERPENTINISED ULTRAMAFIC
- Cg — GABBRO
- Cb — BASALT, SPILITE

CAMBRIAN

- Cc — CRIMSON CK. FM. TURBIDITES

IGNEOUS

JURASSIC
- Jd — DOLERITE

DEVONIAN
- Dg — ADAMELLITE
- Dp — PORPHYRY

- FACING (YOUNGING)

- 0–29° BEDDING ATTITUDE
- 30–59° " "
- 60–89° " "
- VERTICAL " "
- CLEAVAGE
- FAULT WITH INCLINATION
- REVERSE FAULT
- ANTCLINE
- U — UNCONFORMITY
- DYKE
- MINERALISED VEIN
- MINERALISED FAULT

SHEET LAYOUT

STRAHAN	NOORINA	TULLAH
HEEMSKIRK	ZEEHAN	SELINA
TRIAL	WILLIAMS	SYNDALL

RGC EXPLORATION PTY. LIMITED

082333

E.L. 101/87 & 13/88

REGIONAL GEOLOGY INTERPRETATION

DRAWN BY M.O.W.

DRAFTSMAN

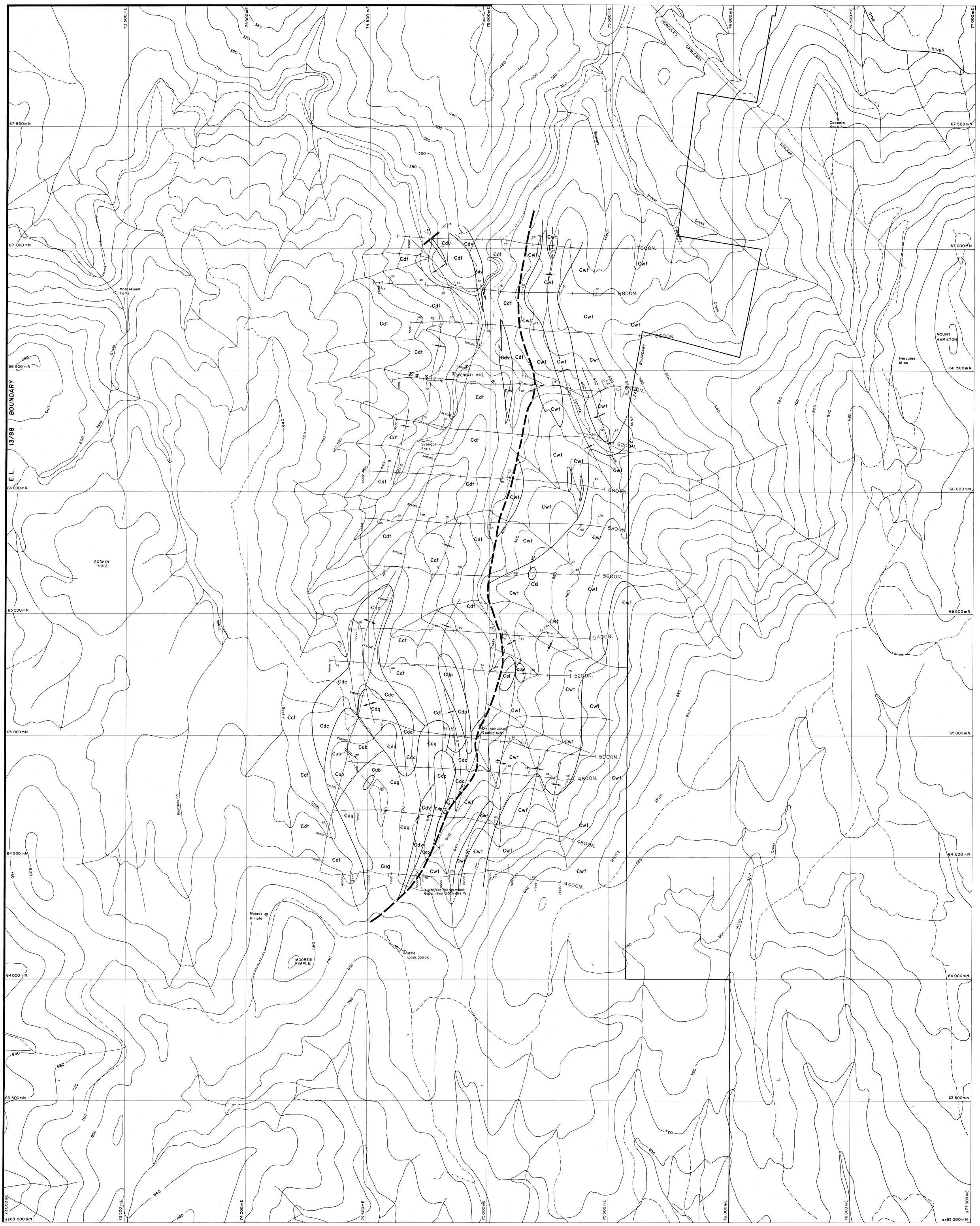
DATE JUNE 1992

REVISIONS

FILE NO 5522/054

SCALE 1:25,000 — METRES

PLAN 1



LEGEND

DUNDAS GROUP

- Cdv — Felsic vitric tuff and crytal vitric tuff
- Cdt — Interbedded Quartzwacke and Mudstone
- Cdg — Quartzwacke and conglomeratic Sandstone
- Cdc — Polymictic Conglomerate

WHITE SPUR FORMATION

- Cwf — Medium to coarse grained Felsic volcanic lithicwacke and felsic pumiceous mass flow tuff
- Cwt — Interbedded / turbiditic fine grained felsic lithiwacke and grey micaceous siltstone

- Cdp — Rhyolitic Quartz Porphyry, probably intrusive
- Csi — Pervasively silicified rocks
- CuS — Silicified / cherty mafic volcaniclastic siltstone
- Cub — Basalt: commonly amygdaloidal, pillowed intense pervasive qtz ± carbonate ± fuchsite alteration
- Cug — Gabbro, variably altered to qtz + carbonate ± fuchsite alteration

- Strike and Dip of Bedding, facing direction indicated
- Strike and Dip of cleavage
- Strike and Dip of fault plane
- Strike and Dip of prominent joints
- Geological Boundary, approximate, inferred
- Fault
- Fold axis, inferred
- Helipad
- Diamond Drill Hole

5 cm

92-3358.

082334

RGC EXPLORATION PTY. LIMITED
(INC. IN N.S.W.)

COMPILED	WH/MW
DRAWN	
DATE	
CHECKED	
1:25,000 REFERENCE	DUNDAS

MOORES PIMPLE – E.L. 13/88

RING RIVER GRID

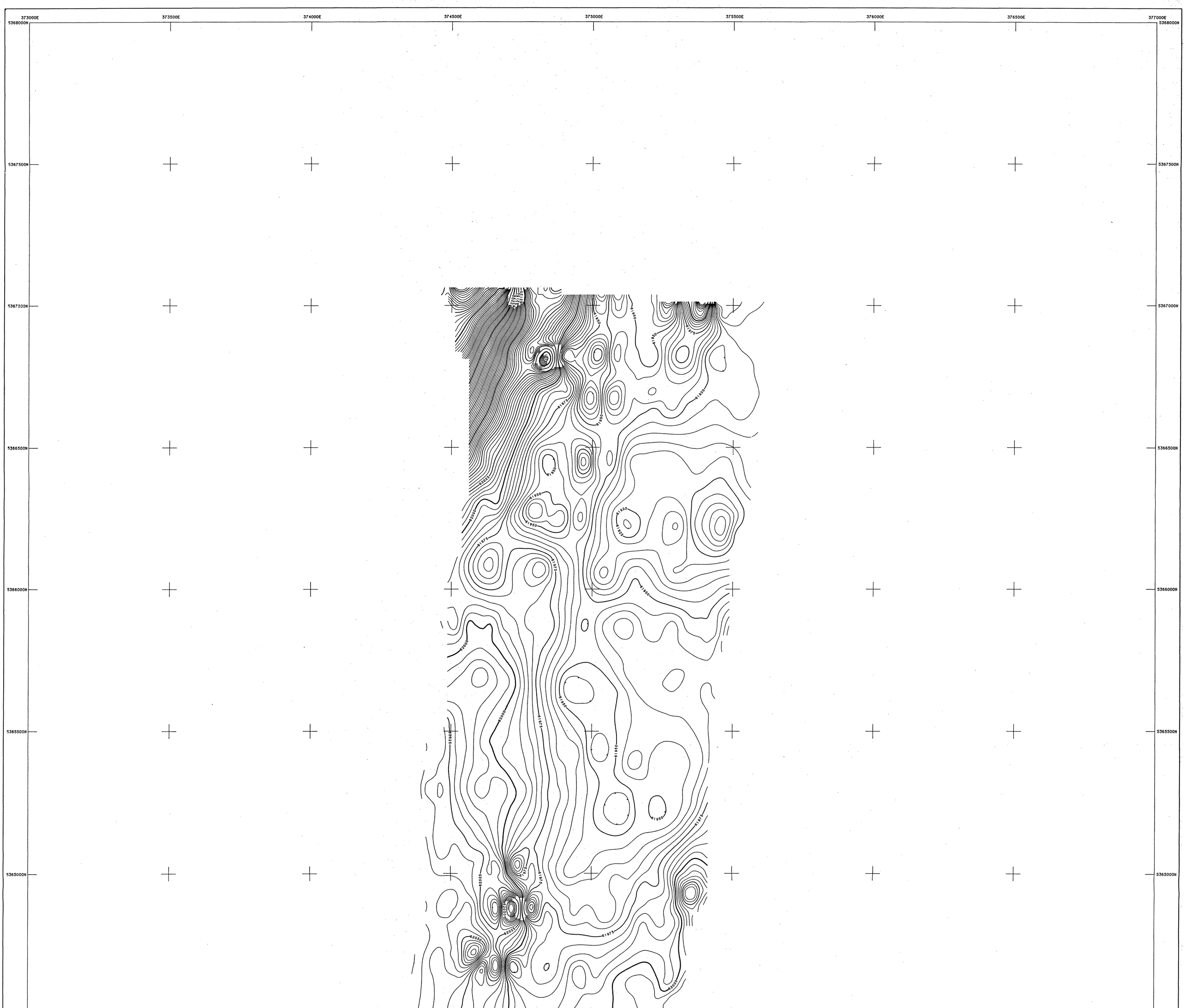
INTERPRETATIVE GEOLOGY

BASE PLAN No. 5524/008
OVERLAY PLAN No.

SCALE: 1:5000

50 0 50 100 200 METRES

FIG. PLAN 2.



CROUND SURVEY SPECIFICATIONS

MAGNETOMETER :	Geometrics G856 proton precession Sensitivity : 0.1 nT
STATION SPACING :	25 and 12.5 metres
DATA RECORDING :	Digitally within the magnetometer
LINE SPACING :	200 metres
BASE STATION :	Geometrics G856 proton precession Sensitivity : 0.1 nT
DATA RECORDING :	Digitally within the magnetometer every 120 seconds (Lines 4400N - 5800N) and 30 seconds (Lines 6000N - 7000N)

TOTAL MAGNETIC INTENSITY CONTOURS

Grid notation refers to Australian Map Grid Zone 55
Magnetics :Diurnally levelled
Grid mesh size :25 x 25 metres
Grid filter :Polynomial, radius 50 metres
Contour interval 5.25, and 100 nT

GN MN

0.0 MN = GN + 10.5 degrees 0.5 Km

SCALE 1:5000

5 cm

92-3358.

JOB NO : 4-100
Surveyed by GEOTERREX PTY LTD : FEBRUARY 1989
Compiled by Geoterrex Pty Ltd., Sydney, NSW.
Processed using the GEONET time sharing system fig. 39

RGC EXPLORATION PTY LTD

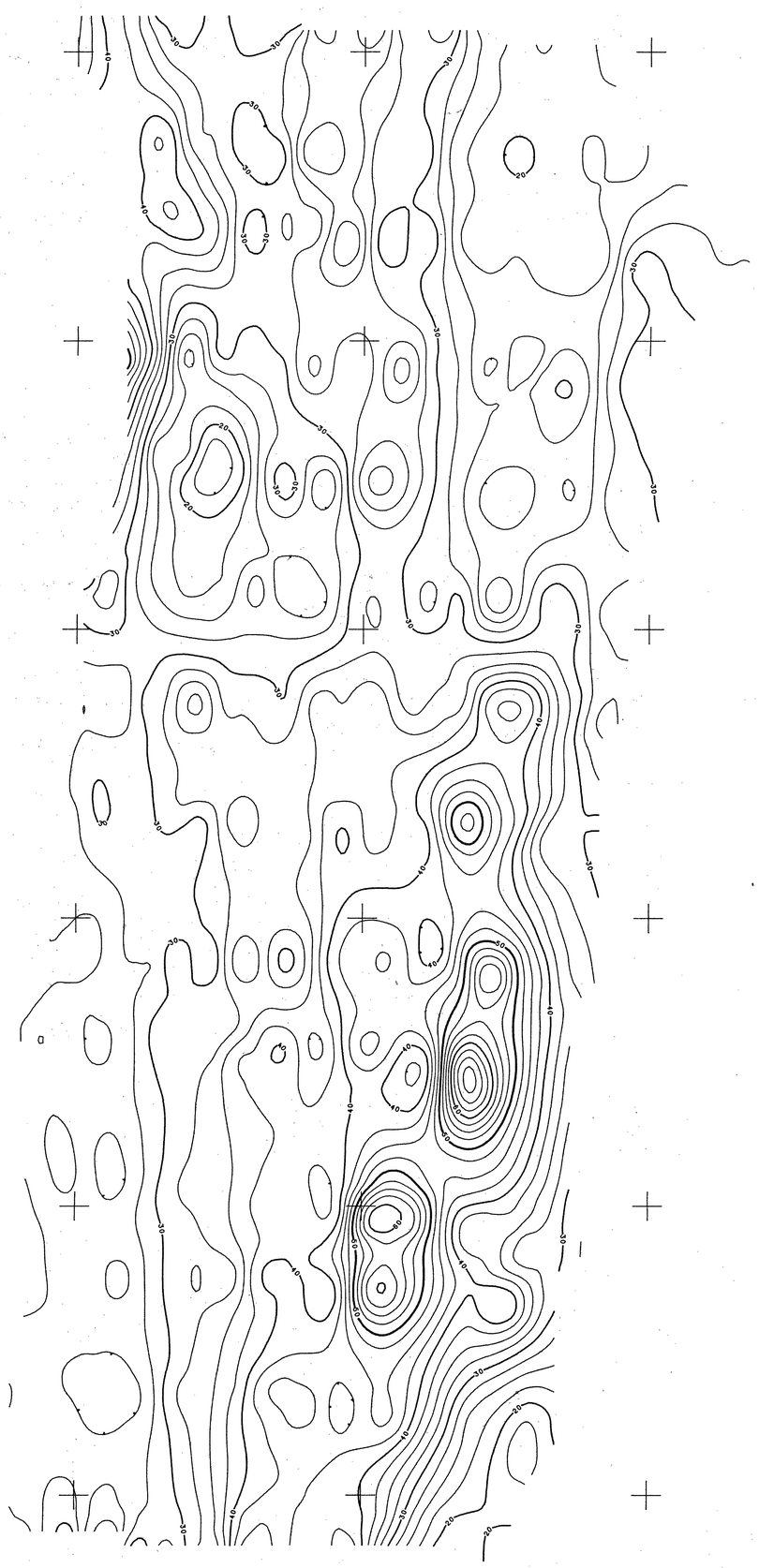
GEOLOGIST:		082335
DRAWN:	GTX	EL 13/88 TAS
DATE:	APR 1989	TOTAL MAGNETIC INTENSITY CONTOURS
CHECKED:	STM	
1:25,000 REFERENCE:	DUNDAS	RING RIVER GRID

5524/014

PLAN 3

373000E 373500E 374000E 374500E 375000E 375500E 376000E 376500E 377000E

5368000N 5367500N 5367000N 5366500N 5366000N 5365500N 5365000N 5364500N 5364000N 5363500N 5363000N



5 cm

CROUND SURVEY SPECIFICATIONS

IP TRANSMITTER :	Huntec 7.5 KVA
IP RECEIVER :	Huntec MK4
STATION SPACING :	25 metres
LINE SPACING :	200 metres
ARRAY TYPE :	Gradient
CURRENT ELECTRODES :	
LINES 4400N-5000N :	4700N.6500E-4700N.8500E
LINES 5200N-5809N :	5400N.6500E-5400N.8500E
LINES 6000N-7000N :	6500N.6525E-6500N.8525E
RECEIVER DIPOLE LENGTH :	50 metres

TOTAL CHARGEABILITY CONTOURS

Grid notation refers to Australian Map Grid Zone 55
Grid mesh size :25 x 25 metres
Grid filter :Polynomial, radius 50 metres
Contour interval 2.5.10 and 50 millivolts

GN MN

MN = GN + 10.5 degrees

0.0 0.5 Km

SCALE 1:5000

92-3358.

JOB NO : 4-100
Surveyed by GEOTERREX PTY LTD : FEBRUARY 1989
Compiled by Geoterrex Pty Ltd., Sydney, NSW.
Processed using the GEONET time sharing system

fig. 40

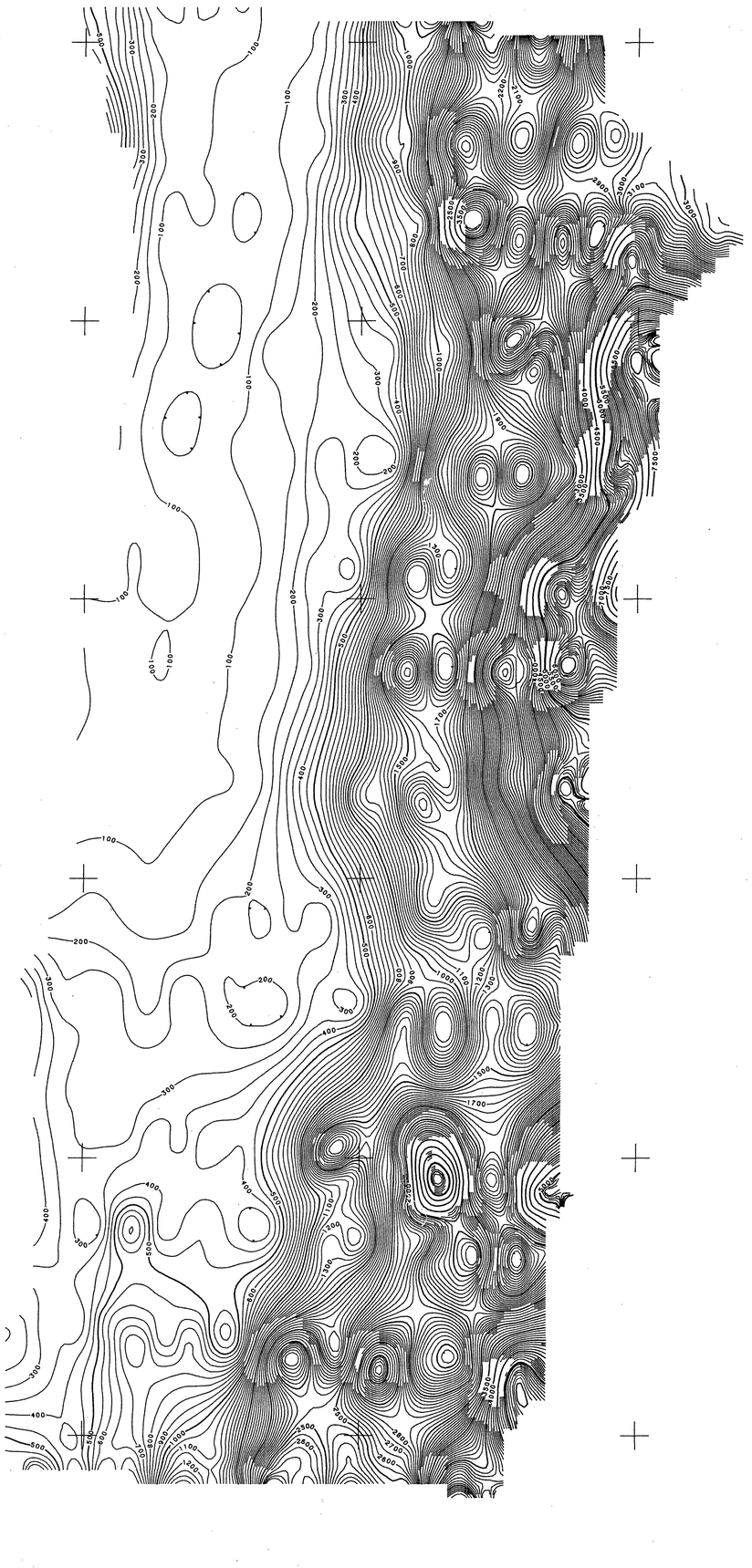
RGC EXPLORATION PTY LTD

GEOLOGIST:		082336
DRAWN:	GTX	EL 13/88 TAS
DATE:	APR 1989	TOTAL CHARGEABILITY CONTOURS
CHECKED:	STM	
1:25,000 REFERENCE:	DUNDAS	RING RIVER GRID

5524/015 PLAN 4

373000E 373500E 374000E 374500E 375000E 375500E 376000E 376500E 377000E

5368000N 5367500N 5367000N 5366500N 5366000N 5365500N 5365000N 5364500N 5364000N 5363500N 5363000N



5 cm

GROUND SURVEY SPECIFICATIONS

IP TRANSMITTER :	Huntec 7.5 KVA
IP RECEIVER :	Huntec MK4
STATION SPACING :	25 metres
LINE SPACING :	200 metres
ARRAY TYPE :	Gradient
CURRENT ELECTRODES :	
LINES 4400N-5000N :	4700N.6500E-4700N.8500E
LINES 5200N-5809N :	5400N.6500E-5400N.8500E
LINES 6000N-7000N :	6500N.6525E-6500N.8525E
RECEIVER DIPOLE LENGTH :	50 metres

APPARENT RESISTIVITY CONTOURS

Grid notation refers to Australian Map Grid Zone 55
Grid mesh size :25 x 25 metres
Grid filter :Polynomial, radius 50 metres
Contour interval 50.500, and 5000 ohm metres

GN MN

MN = GN + 10.5 degrees

0.0 0.5 Km

SCALE 1:5000

92-3358.

JOB NO : 4-100
Surveyed by GEOTERREX PTY LTD : FEBRUARY 1989
Compiled by Geoterrex Pty Ltd., Sydney, NSW.
Processed using the GEONET time sharing system fig. 41

RGC EXPLORATION PTY LTD

GEOLOGIST:	
DRAWN:	GTX
DATE:	APR 1989
CHECKED:	STM
1:25,000 REFERENCE:	DUNDAS

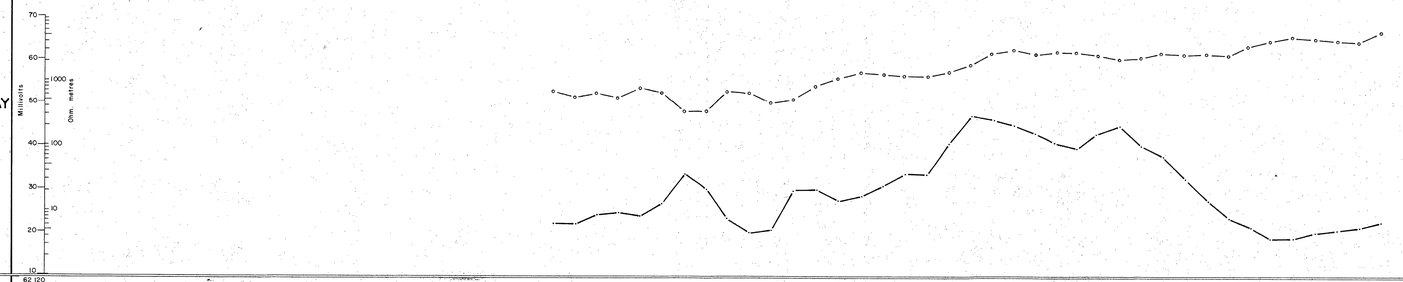
082337
EL 13/88 TAS

APPARENT RESISTIVITY CONTOURS

RING RIVER GRID

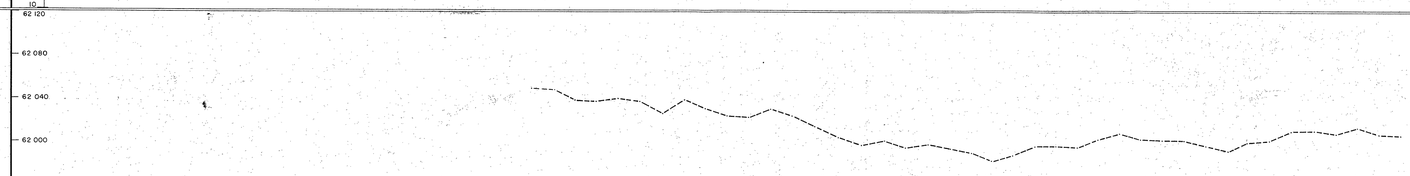
5524/013 PLANS

GRADIENT ARRAY I.P.



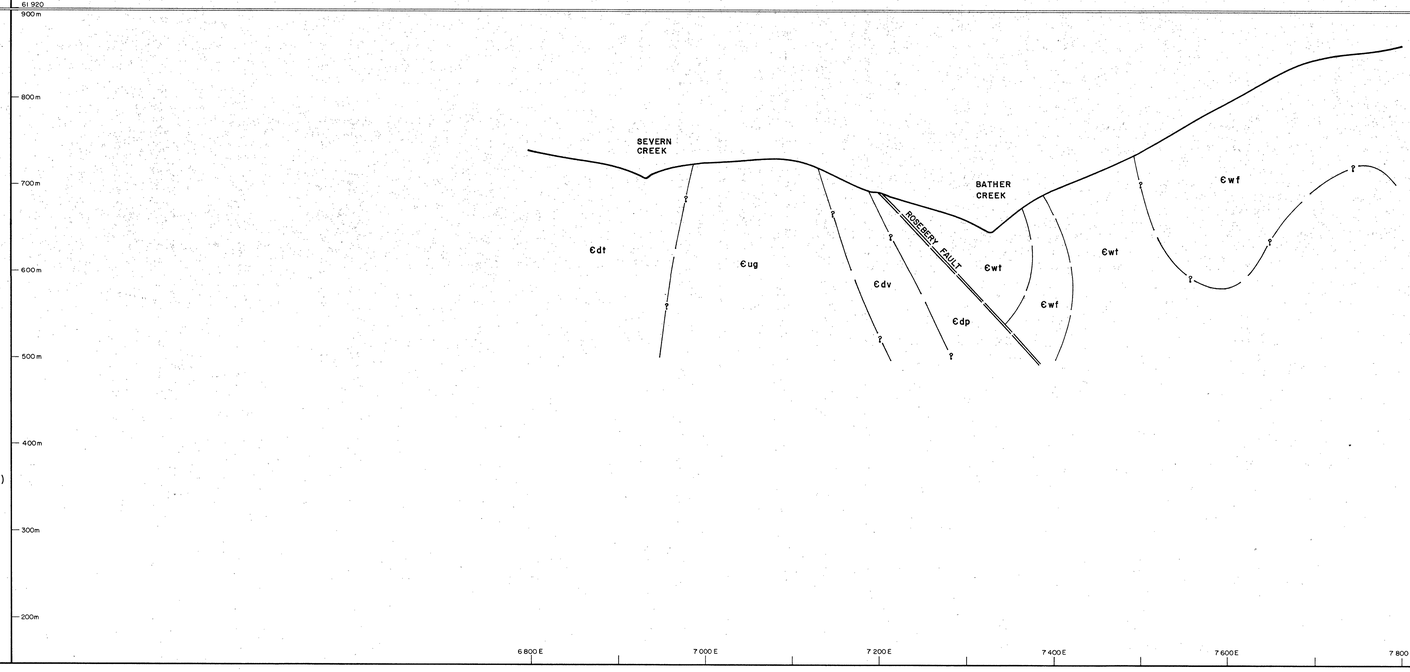
GRADIENT ARRAY I.P.

MAGNETICS (gammas)



MAGNETICS (gammas)

TOPOGRAPHY & GEOLOGY (height above sea level)



5 cm

TOPOGRAPHY & GEOLOGY (height above sea level)

92-3358.

082338

GEOLOGY

DUNDAS GROUP

WHITSUNDAY VOLCANICS DIVISION

- Edv — FELSIC VITRIC TUFF AND CRYSTAL TUFF
- Edt — INTERBEDDED QUARTZWACKE AND MUDSTONE
- Edq — QUARTZWACKE AND CONGLOMERATIC SANDSTONE
- Edc — POLYMICTIC CONGLOMERATE
- Ewf — MEDIUM TO COARSE GRAINED FELSIC VOLCANIC LITHICWACKE AND FELSIC PUMICEOUS MASS FLOW TUFF
- Ewt — INTERBEDDED / TURBIDITIC FINE GRAINED FELSIC LITHICWACKE AND GREY MICAEOUS SILTSTONE
- Edp — RHYOLITIC QUARTZ PORPHYRY, PROBABLY INTRUSIVE
- Esi — PERVASIVELY SILICIFIED ROCKS
- Eus — SILICIFIED/CHERTY MAFIC VOLCANICLASTIC
- Eub — BASALT; COMMONLY AMYGDALOIDAL, PILLOWED; INTENSE PERVASIVE QUARTZ + CARBONATE ± FUCHSITE ALTERATION
- Eug — GABBRO, VARIABLY ALTERED TO QUARTZ + CARBONATE ± FUCHSITE ASSEMBLAGE

GEOLOGICAL BOUNDARY, APPROXIMATE

INFERRED

FAULT

FOLD AXIS, INFERRED

MAGNETICS

GRADIENT ARRAY I.P.

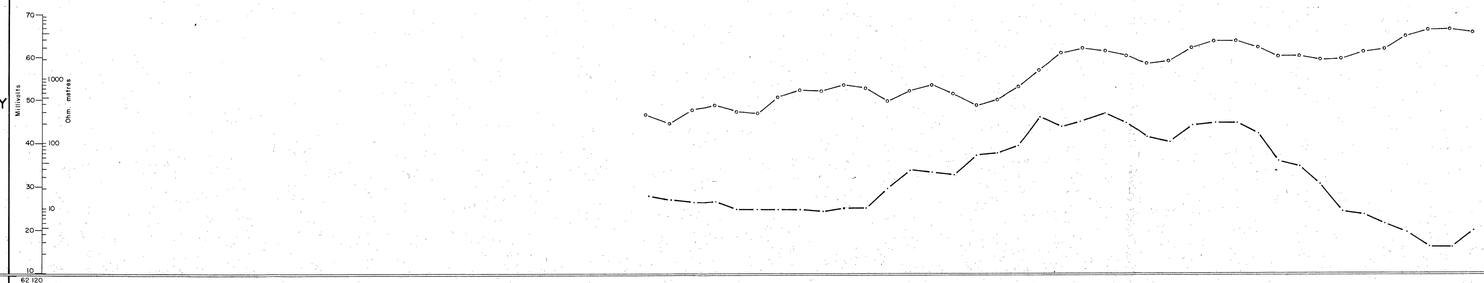
Chargeability

Resistivity

RGC EXPLORATION PTY. LIMITED (INC. IN N.S.W.)

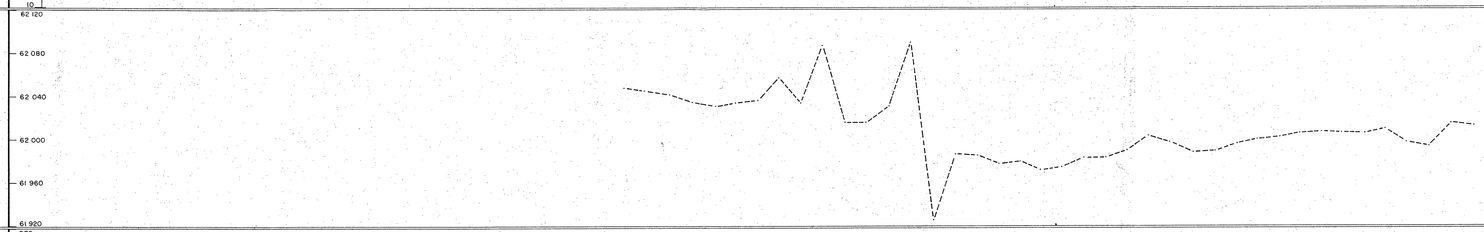
COMPILED	A.J.C.	RING RIVER GRID
DRAWN	J.M.S.	LINE PROFILE
DATE	MAY 1989	L 4400N
CHECKED		
1:25,000 REFERENCE	DUNDAS	
BASE PLAN No. 5524/018	SCALE 1 : 2500 (0, 50, 100 metres)	FIG. RAN 6
OVERLAY PLAN No.		

GRADIENT ARRAY I.P.



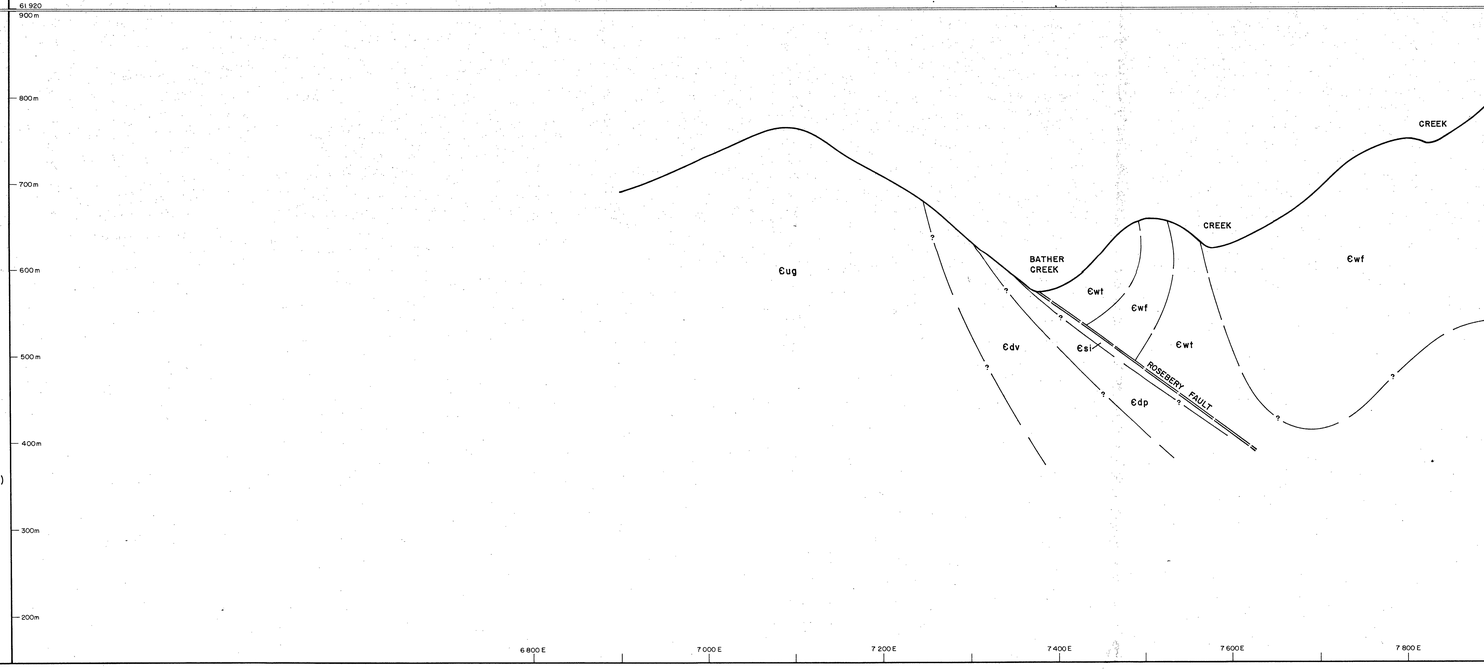
GRADIENT ARRAY I.P.

MAGNETICS (gammas)



MAGNETICS (gammas)

TOPOGRAPHY & GEOLOGY (height above sea level)



TOPOGRAPHY & GEOLOGY (height above sea level)

92-3358.

082339

GEOLOGY

DUNDAS GROUP

WHITESPUR VOLCANICS

- Cdv — FELSIC VITRIC TUFF AND CRYSTAL TUFF
- Cdt — INTERBEDDED QUARTZWACKE AND MUDSTONE
- Cdq — QUARTZWACKE AND CONGLOMERATIC SANDSTONE
- Cdc — POLYMICTIC CONGLOMERATE
- Cwf — MEDIUM TO COARSE GRAINED FELSIC VOLCANIC LITHICWACKE AND FELSIC PUMICEOUS MASS FLOW TUFF
- Cwt — INTERBEDDED/TURBIDITIC FINE GRAINED FELSIC LITHICWACKE AND GREY MICACEOUS SILTSTONE
- Cdp — RHYOLITIC QUARTZ PORPHYRY, PROBABLY INTRUSIVE
- Csi — PERVASIVELY SILICIFIED ROCKS
- Cus — SILICIFIED/CHERTY MAFIC VOLCANICLASTIC
- Cub — BASALT, COMMONLY AMYGDALOIDAL, PILLOWED, INTENSE PERVASIVE QUARTZ + CARBONATE ± FUCHSITE ALTERATION
- Cug — GABBRO, VARIABLY ALTERED TO QUARTZ + CARBONATE ± FUCHSITE ASSEMBLAGE

GEOLOGICAL BOUNDARY, APPROXIMATE

INFERRED

FAULT

FOLD AXIS, INFERRED

MAGNETICS

GRADIENT ARRAY I.P.

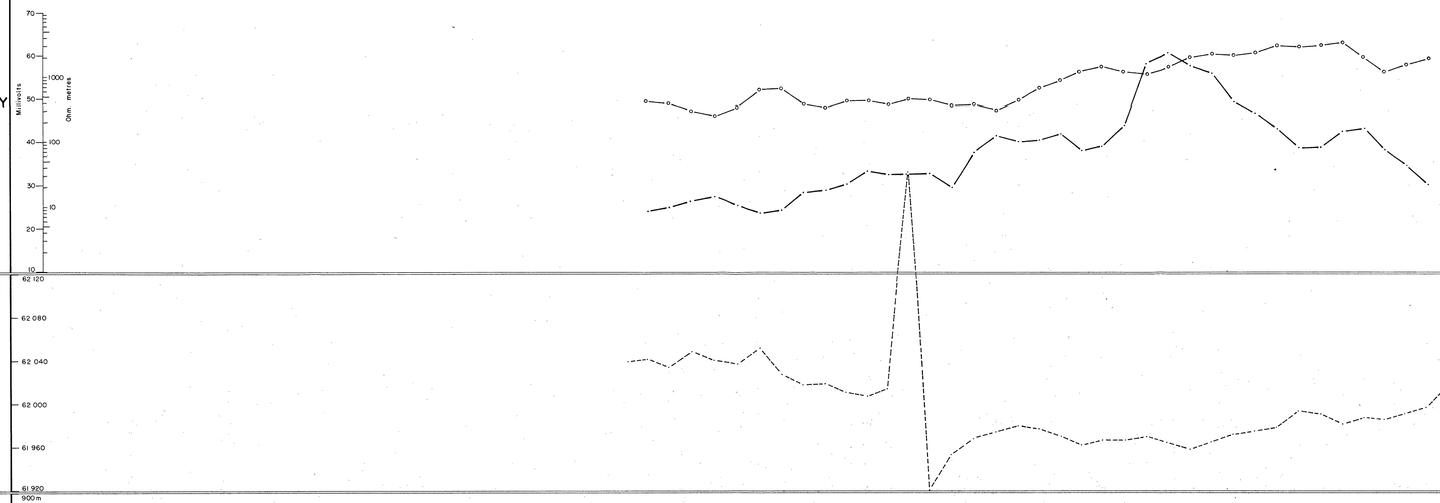
Chargeability

Resistivity

RGC EXPLORATION PTY. LIMITED (INC. IN N.S.W.)

COMPILED	A.J.C.	RING RIVER GRID
DRAWN	J.M.S.	LINE PROFILE
DATE	MAY 1989	L 4600N
CHECKED		
1:25,000 REFERENCE	DUNDAS	
BASE PLAN No. 5524/019	SCALE 1 : 2500	0 50 100 metres
OVERLAY PLAN No.		FIG. PLAN 7

GRADIENT ARRAY I.P.

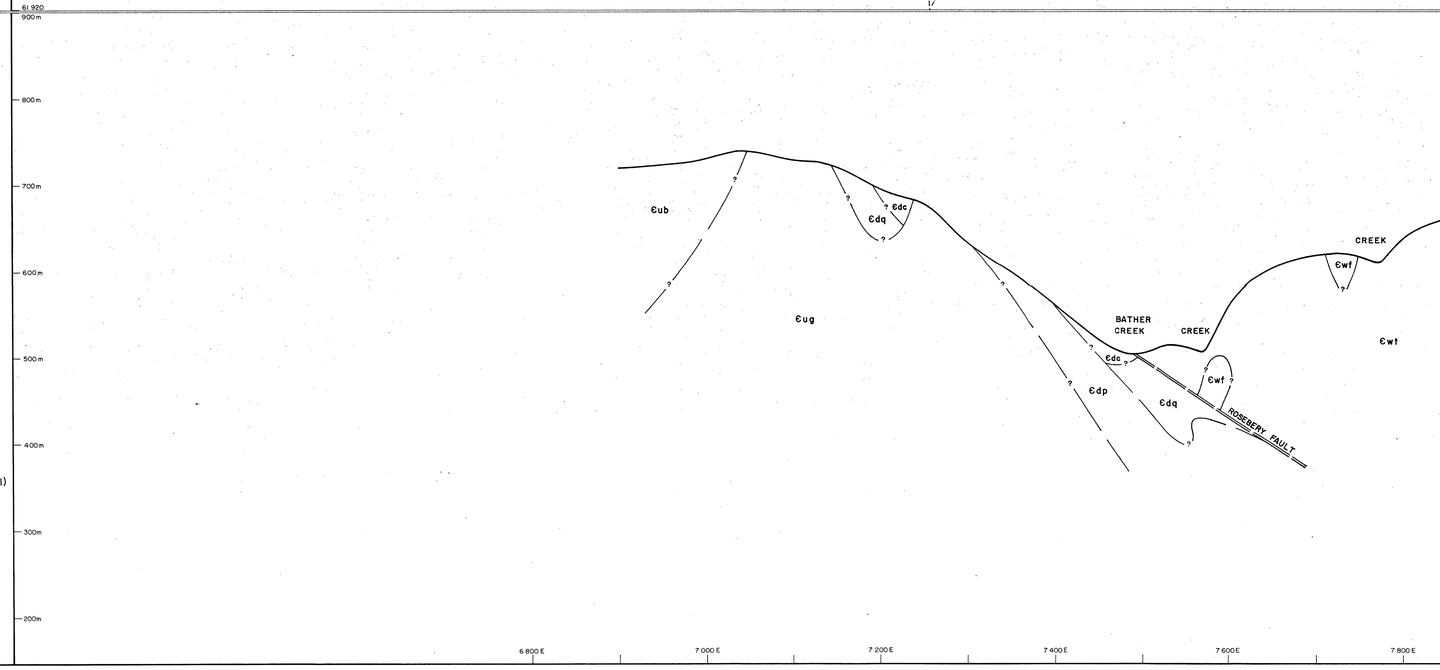


GRADIENT ARRAY I.P.

MAGNETICS (gammas)

MAGNETICS (gammas)

TOPOGRAPHY & GEOLOGY (height above sea level)



TOPOGRAPHY & GEOLOGY (height above sea level)

5 cm

92-3358.

GS2340

GEOLOGY

DUNDAS GROUP

WHITE SPUR FORMATION

- Cdv — FELSIC VITRIC TUFF AND CRYSTAL TUFF
- Cdt — INTERBEDDED QUARTZWACKE AND MUDSTONE
- Cdq — QUARTZWACKE AND CONGLOMERATIC SANDSTONE
- Cdc — POLYMICTIC CONGLOMERATE
- Cwf — MEDIUM TO COARSE GRAINED FELSIC VOLCANIC LITHICWACKE AND FELSIC PUMICEOUS MASS FLOW TUFF
- Cwt — INTERBEDDED/TURBIDITIC FINE GRAINED FELSIC LITHICWACKE AND GREY MICAEOUS SILTSTONE
- Cdp — RHYOLITIC QUARTZ PORPHYRY, PROBABLY INTRUSIVE
- Csi — PERVASIVELY SILICIFIED ROCKS
- Cus — SILICIFIED/CHERTY MAFIC VOLCANICLASTIC
- Cub — BASALT, COMMONLY AMYGDALOIDAL, PILLOWED; INTENSE PERVASIVE QUARTZ + CARBONATE ± FUCHSITE ALTERATION
- Cug — GABBRO, VARIABLY ALTERED TO QUARTZ + CARBONATE ± FUCHSITE ASSEMBLAGE

GEOLOGICAL BOUNDARY, APPROXIMATE

INFERRED

FAULT

FOLD AXIS, INFERRED

MAGNETICS

GRADIENT ARRAY I.P.

Chargeability

Resistivity

RGC EXPLORATION PTY. LIMITED
(INC. IN N.S.W.)

COMPILED	A.J.C.
DRAWN	J.M.S.
DATE	MAY 1989
CHECKED	
1:25,000 REFERENCE	DUNDAS

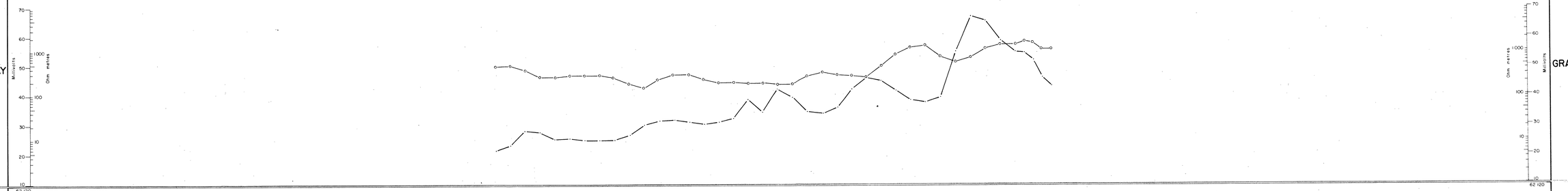
RING RIVER GRID
LINE PROFILE
L 4800N

BASE PLAN No. 5524/020
OVERLAY PLAN No.

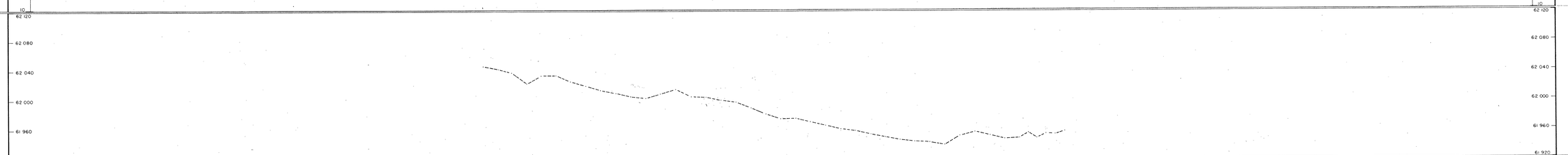
SCALE 1 : 2 500 (0 50 100 metres)

FIG. PLAN 8

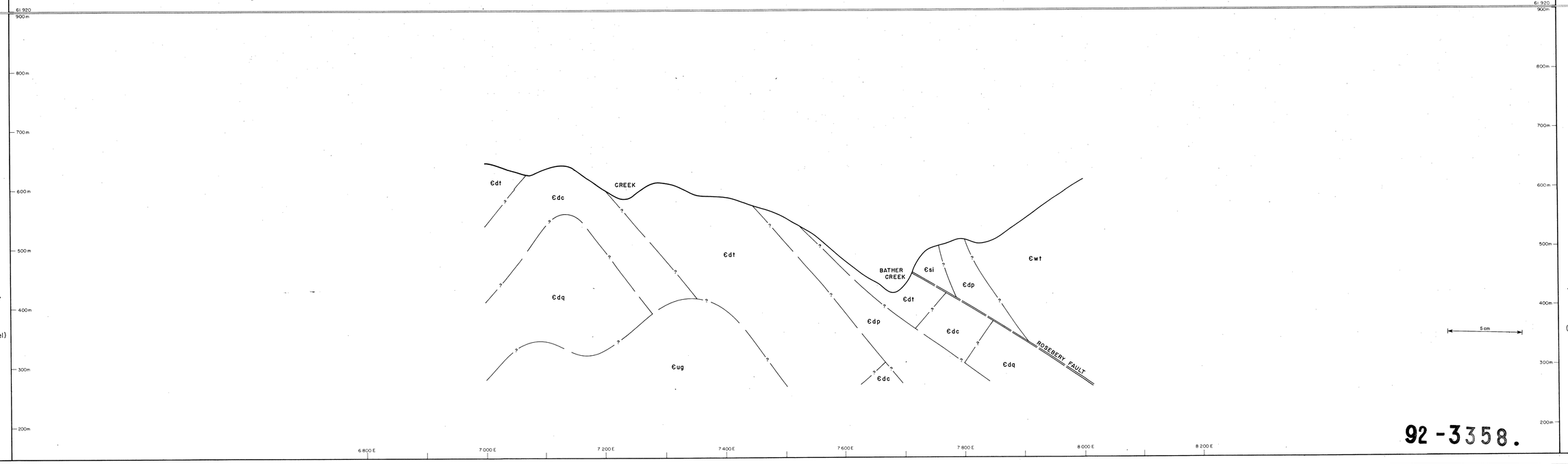
GRADIENT ARRAY I.P.



MAGNETICS (gammas)



TOPOGRAPHY & GEOLOGY (height above sea level)



92-3358.

082341

GEOLOGY

DUNDAS GROUP

- Edv — FELSIC VITRIC TUFF AND CRYSTAL TUFF
- Edt — INTERBEDDED QUARTZWACKE AND MUDSTONE
- Edq — QUARTZWACKE AND CONGLOMERATIC SANDSTONE
- Edc — POLYMICTIC CONGLOMERATE

WHITEFRIAR FORMATION

- Ewf — MEDIUM TO COARSE GRAINED FELSIC VOLCANIC LITHICWACKE AND FELSIC PUMICEOUS MASS FLOW TUFF
- Ewt — INTERBEDDED/TURBIDITIC FINE GRAINED FELSIC LITHICWACKE AND GREY MICACEOUS SILTSTONE

- Edp — RHYOLITIC QUARTZ PORPHYRY, PROBABLY INTRUSIVE
- Esi — PERVASIVELY SILICIFIED ROCKS
- Eus — SILICIFIED/CHERTY MAFIC VOLCANICLASTIC
- Eub — BASALT, COMMONLY AMYGDALOIDAL, PILLOWED, INTENSE PERVASIVE QUARTZ + CARBONATE ± FUCHSITE ALTERATION
- Eug — GABBRO, VARIABLY ALTERED TO QUARTZ + CARBONATE ± FUCHSITE ASSEMBLAGE

- GEOLOGICAL BOUNDARY, APPROXIMATE
- INFERRED
- FAULT
- FOLD AXIS, INFERRED

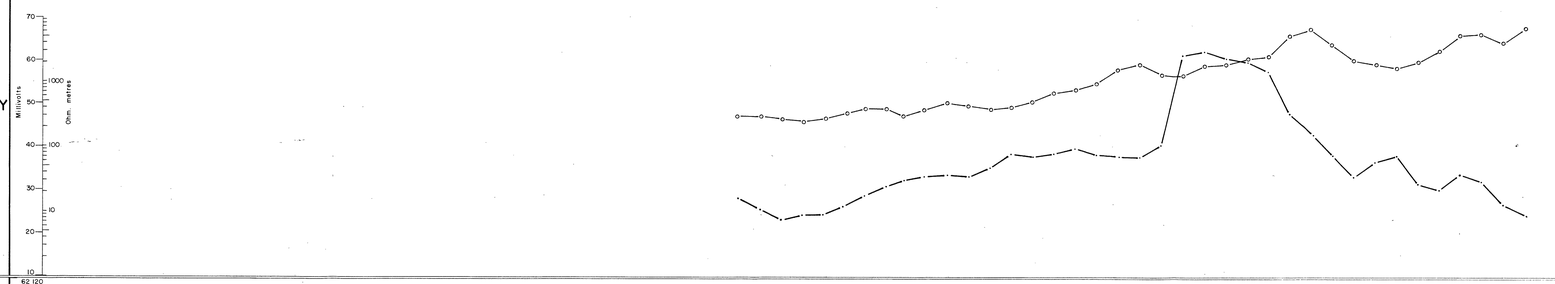
MAGNETICS

GRADIENT ARRAY I.P.

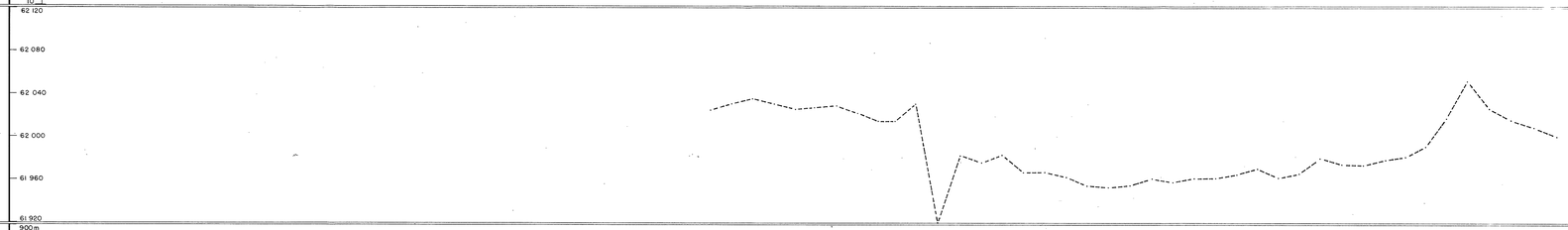
- Chargeability
- Resistivity

RGC EXPLORATION PTY. LIMITED (INC. IN N.S.W.)			
	COMPILED	A.J.C.	RING RIVER GRID
	DRAWN	J.M.S.	LINE PROFILE
	DATE	MAY 1989	L 5200N
	CHECKED		
	1:25,000 REFERENCE	DUNDAS	
BASE PLAN No. 5524/022	SCALE 1 : 2500	0 50 100 metres	FIG. 7.LAN10
OVERLAY PLAN No.			

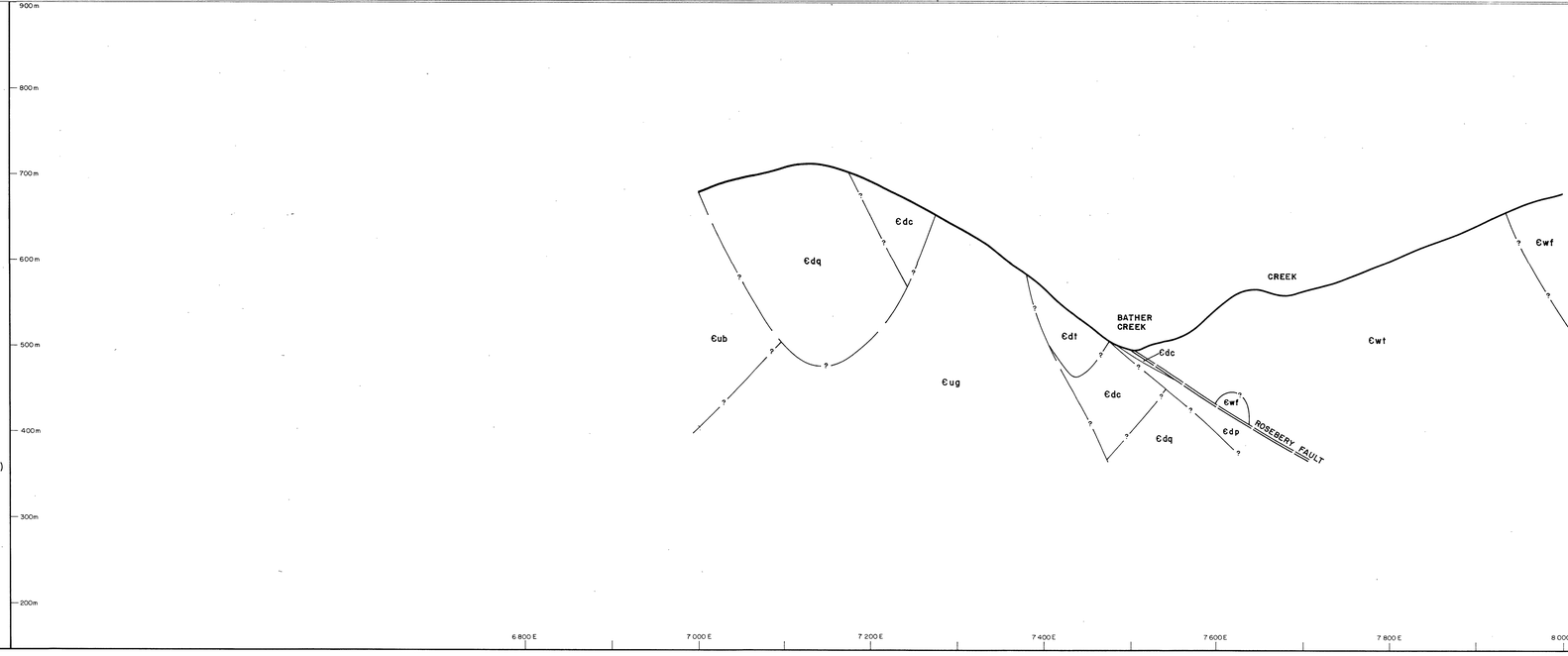
GRADIENT ARRAY I.P.



MAGNETICS (gammas)



TOPOGRAPHY & GEOLOGY (height above sea level)



GRADIENT ARRAY I.P.

MAGNETICS (gammas)

TOPOGRAPHY & GEOLOGY (height above sea level)

5 cm

92-3358.

CS2342

GEOLOGY

DUNDAS GROUP

WHITESPUR FORMATION

- Edv — FELSIC VITRIC TUFF AND CRYSTAL TUFF
- Edt — INTERBEDDED QUARTZWACKE AND MUDSTONE
- Edg — QUARTZWACKE AND CONGLOMERATIC SANDSTONE
- Edc — POLYMICTIC CONGLOMERATE
- Ewf — MEDIUM TO COARSE GRAINED FELSIC VOLCANIC LITHICWACKE AND FELSIC PUMICEOUS MASS FLOW TUFF
- Ewt — INTERBEDDED / TURBIDITIC FINE GRAINED FELSIC LITHICWACKE AND GREY MICAEOUS SILTSTONE
- Edp — RHYOLITIC QUARTZ PORPHYRY, PROBABLY INTRUSIVE
- Esi — PERVASIVELY SILICIFIED ROCKS
- Eus — SILICIFIED/CHERTY MAFIC VOLCANICLASTIC
- Eub — BASALT, COMMONLY AMYGDALOIDAL, PILLOWED, INTENSE PERVASIVE QUARTZ + CARBONATE ± FUCHSITE ALTERATION
- Eug — GABBRO, VARIABLY ALTERED TO QUARTZ + CARBONATE ± FUCHSITE ASSEMBLAGE

GEOLOGICAL BOUNDARY, APPROXIMATE

INFERRED

FAULT

FOLD AXIS, INFERRED

MAGNETICS

GRADIENT ARRAY I.P.

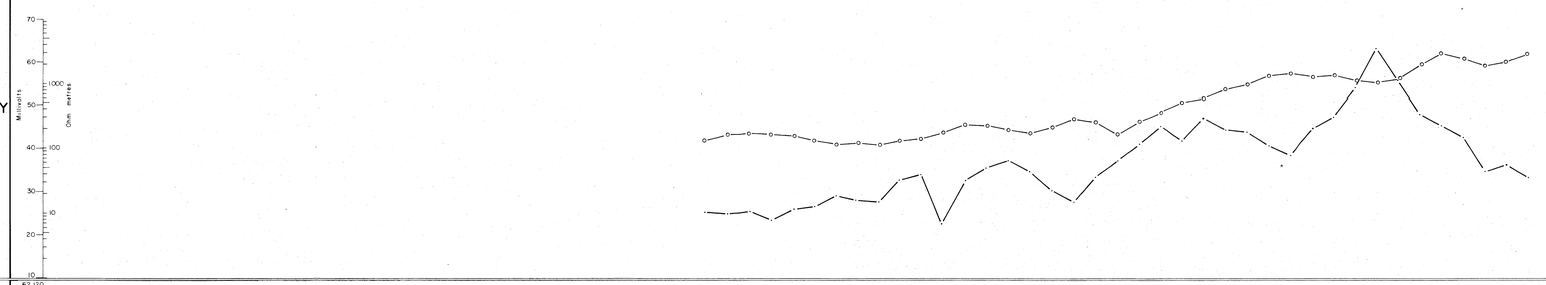
Chargeability

Resistivity

RGC EXPLORATION PTY. LIMITED
(INC. IN N.S.W.)

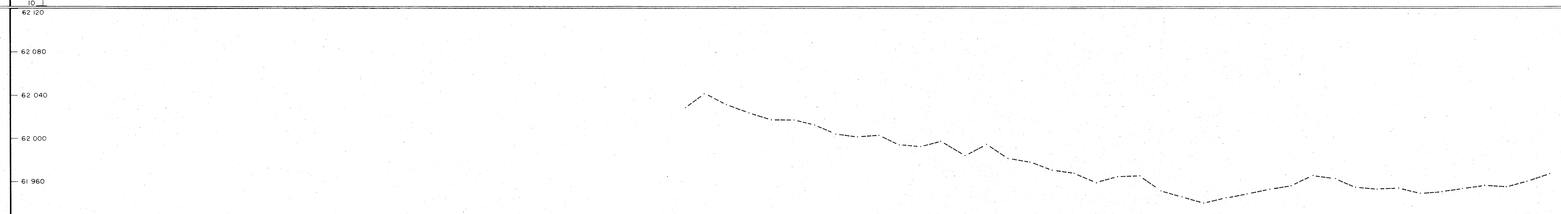
COMPILED	A. J. C.	RING RIVER GRID
DRAWN	J. M. S.	LINE PROFILE
DATE	MAY 1989	L 5000N
CHECKED		
1:25,000 REFERENCE	DUNDAS	
BASE PLAN No.	5524/021	SCALE 1 : 2 500 (0 50 100 metres)
OVERLAY PLAN No.		FIG. RAN 9

GRADIENT ARRAY I.P.



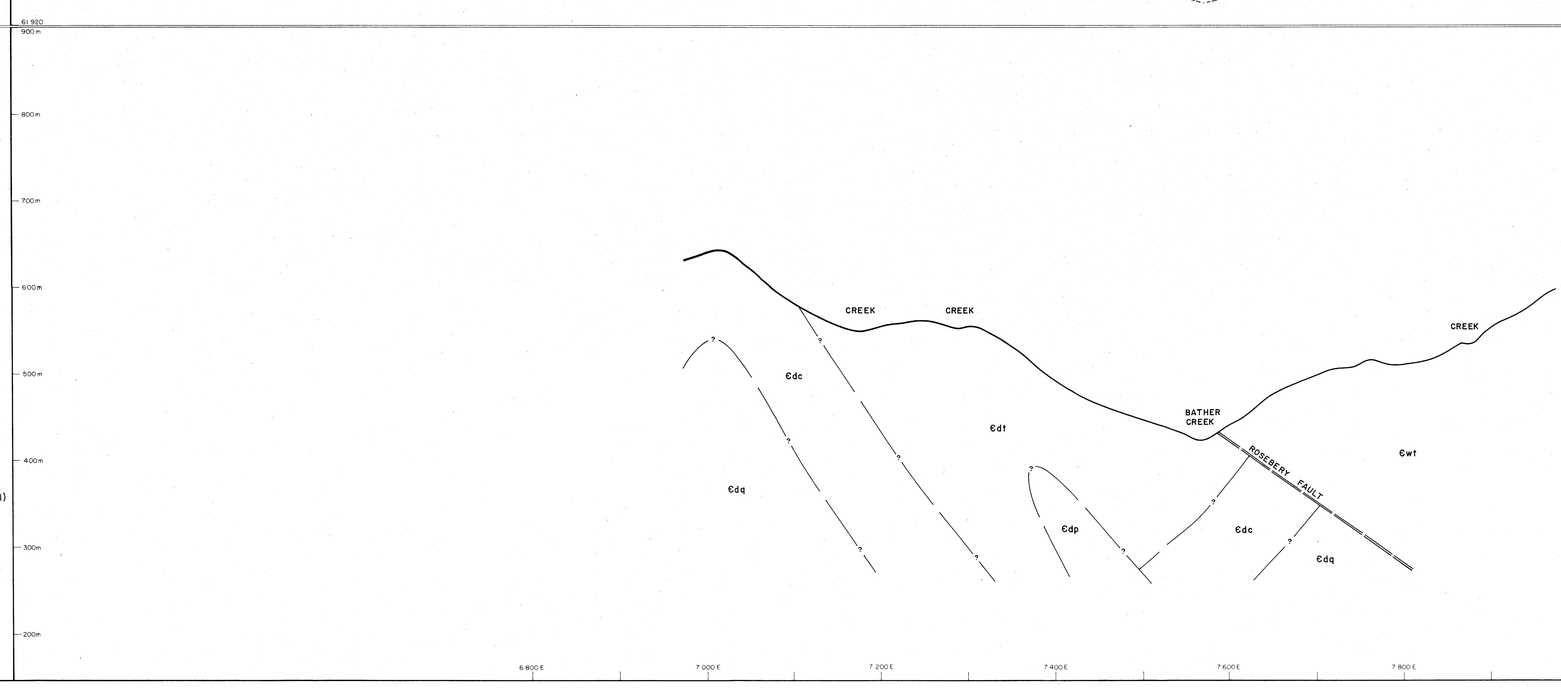
GRADIENT ARRAY I.P.

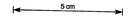
MAGNETICS (gammas)



MAGNETICS (gammas)

TOPOGRAPHY & GEOLOGY (height above sea level)





TOPOGRAPHY & GEOLOGY (height above sea level)

082343

92-3358.

GEOLOGY

DUNDAS GROUP

WHITECLIFF FORMATION

- Edv — FELSIC VITRIC TUFF AND CRYSTAL TUFF
- Edt — INTERBEDDED QUARTZWACKE AND MUDSTONE
- Edq — QUARTZWACKE AND CONGLOMERATIC SANDSTONE
- Edc — POLYMICTIC CONGLOMERATE
- Ewf — MEDIUM TO COARSE GRAINED FELSIC VOLCANIC LITHICWACKE AND FELSIC PUMICEOUS MASS FLOW TUFF
- Ewt — INTERBEDDED / TURBIDITIC FINE GRAINED FELSIC LITHICWACKE AND GREY MICACEOUS SILTSTONE

- Edp — RHYOLITIC QUARTZ PORPHYRY, PROBABLY INTRUSIVE
- Esi — PERVASIVELY SILICIFIED ROCKS
- Eub — SILICIFIED/CHERTY MAFIC VOLCANICLASTIC
- Eub — BASALT, COMMONLY AMYGDALOIDAL, PILLOWED, INTENSE PERVASIVE QUARTZ + CARBONATE ± FUCHSITE ALTERATION
- Eug — GABBRO, VARIABLY ALTERED TO QUARTZ + CARBONATE ± FUCHSITE ASSEMBLAGE

- GEOLOGICAL BOUNDARY, APPROXIMATE
- INFERRED
- FAULT
- FOLD AXIS, INFERRED

MAGNETICS

GRADIENT ARRAY I.P.

- Chargeability
- Resistivity

RGC EXPLORATION PTY. LIMITED (INC. IN N.S.W.)		
	COMPILED	A.J.C.
	DRAWN	J. M. S.
	DATE	MAY 1989
	CHECKED	
	1:25,000 REFERENCE	DUNDAS

RING RIVER GRID
LINE PROFILE
L 5400N

BASE PLAN No. 5524/023
OVERLAY PLAN No.

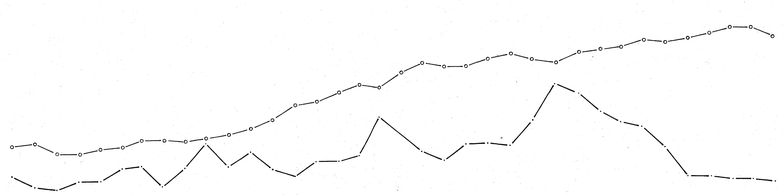
SCALE 1 : 2 500 (0 50 100 metres)

FIG. PLAN 11

GRADIENT ARRAY I.P.

Millivolts: 70, 60, 50, 40, 30, 20, 10

Ohm. metres: 1000, 100, 10



GRADIENT ARRAY I.P.

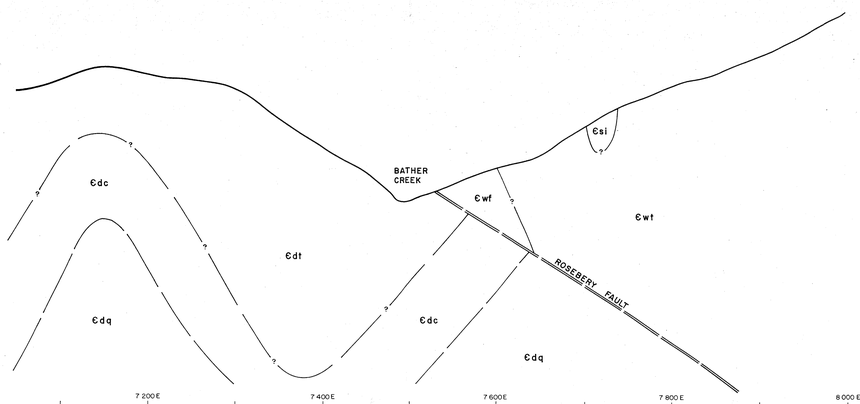
MAGNETICS (gammas)

62 120, 62 080, 62 040, 62 000, 61 960, 61 920

MAGNETICS (gammas)

TOPOGRAPHY & GEOLOGY (height above sea level)

900m, 800m, 700m, 600m, 500m, 400m, 300m, 200m



5 cm

TOPOGRAPHY & GEOLOGY (height above sea level)

082344

92-3358.

GEOLOGY

DUNDAS GROUP

- Cdv — FELSIC VITRIC TUFF AND CRYSTAL TUFF
- Cdt — INTERBEDDED QUARTZWACKE AND MUDSTONE
- Cdq — QUARTZWACKE AND CONGLOMERATIC SANDSTONE
- Cdc — POLYMICTIC CONGLOMERATE

WHITESPUR FORMATION

- Cwf — MEDIUM TO COARSE GRAINED FELSIC VOLCANIC LITHICWACKE AND FELSIC PUMICEOUS MASS FLOW TUFF
- Cwt — INTERBEDDED/ TURBIDITIC FINE GRAINED FELSIC LITHICWACKE AND GREY MICACEOUS SILTSTONE

- Cdp — RHYOLITIC QUARTZ PORPHYRY, PROBABLY INTRUSIVE
- Csi — PERVASIVELY SILICIFIED ROCKS
- Cus — SILICIFIED/CHERTY MAFIC VOLCANICLASTIC
- Cub — BASALT, COMMONLY AMYGDALOIDAL, PILLOWED; INTENSE PERVASIVE QUARTZ + CARBONATE ± FUCHSITE ALTERATION
- Cug — GABBRO, VARIABLY ALTERED TO QUARTZ + CARBONATE ± FUCHSITE ASSEMBLAGE

- GEOLOGICAL BOUNDARY, APPROXIMATE
- INFERRED
- FAULT
- FOLD AXIS, INFERRED

MAGNETICS

GRADIENT ARRAY I.P.

- Chargeability
- Resistivity

RGC EXPLORATION PTY. LIMITED (INC. IN N.S.W.)			
	COMPILED	A.J.C.	RING RIVER GRID
	DRAWN	J.M.S.	LINE PROFILE
	DATE	MAY 1989	L 5600N
	CHECKED		
	1:25,000 REFERENCE	DUNDAS	
BASE PLAN No. 5524/024	SCALE 1 : 2500	0 50 100 metres	FIG. PLAN 12
OVERLAY PLAN No.			

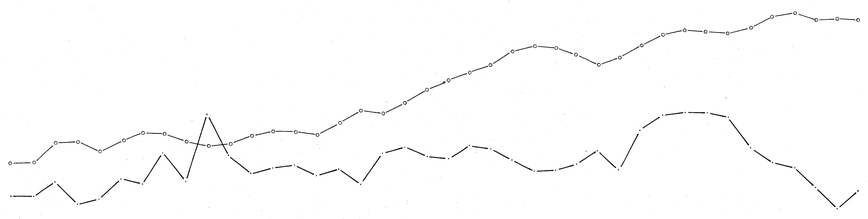
GRADIENT ARRAY I.P.

Milliamps

70
60
50
40
30
20
10

Ohm metres

1000
100
10



Ohm metres

1000
100
10

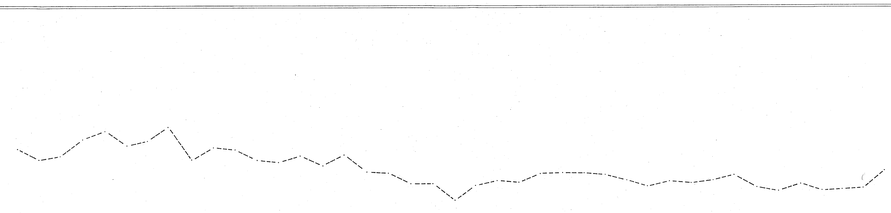
Milliamps

70
60
50
40
30
20
10

GRADIENT ARRAY I.P.

MAGNETICS (gammas)

62 120
62 080
62 040
62 000
61 960
61 920

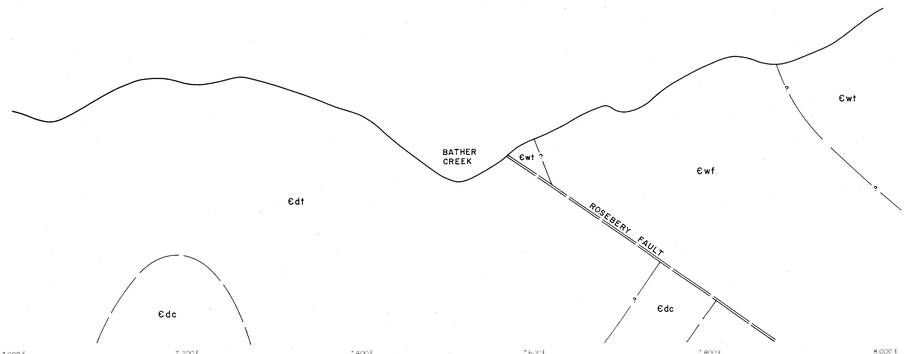


62 120
62 080
62 040
62 000
61 960
61 920

MAGNETICS (gammas)

TOPOGRAPHY & GEOLOGY (height above sea level)

900m
800m
700m
600m
500m
400m
300m
200m



900m
800m
700m
600m
500m
400m
300m
200m

TOPOGRAPHY & GEOLOGY (height above sea level)

5cm

92-3358.

082345

GEOLOGY

DUNDAS TROUGH
WINDIMURRA FORMATION

- Cwf — FELSIC VITRIC TUFF AND CRYSTAL TUFF
- Cwt — INTERBEDDED QUARTZWACKE AND MUDSTONE
- Cwq — QUARTZWACKE AND CONGLOMERATIC SANDSTONE
- Cwc — POLYMICTIC CONGLOMERATE
- Cwf — MEDIUM TO COARSE GRAINED FELSIC VOLCANIC LITHICWACKE AND FELSIC PUMICEOUS MASS FLOW TUFF
- Cwt — INTERBEDDED, TURBIDITIC FINE GRAINED FELSIC LITHICWACKE AND GREY MICACEOUS SILTSTONE

- Cdp — RHYOLITIC QUARTZ PORPHYRY, PROBABLY INTRUSIVE
- Cs — PERVASIVELY SILICIFIED ROCKS
- Cds — SILICIFIED/CHERTY MAFIC VOLCANICLASTIC
- Cdb — BASALT, COMMONLY AMYGDALOIDAL/PILLOWED, INTENSE PERVASIVE QUARTZ + CARBONATE ± FUCHSITE ALTERATION
- Cdg — GABBRO, VARIABLY ALTERED TO QUARTZ + CARBONATE ± FUCHSITE ASSEMBLAGE

GEOLOGICAL BOUNDARY, APPROXIMATE
INFERRED
FAULT
FOLD AXIS, INFERRED

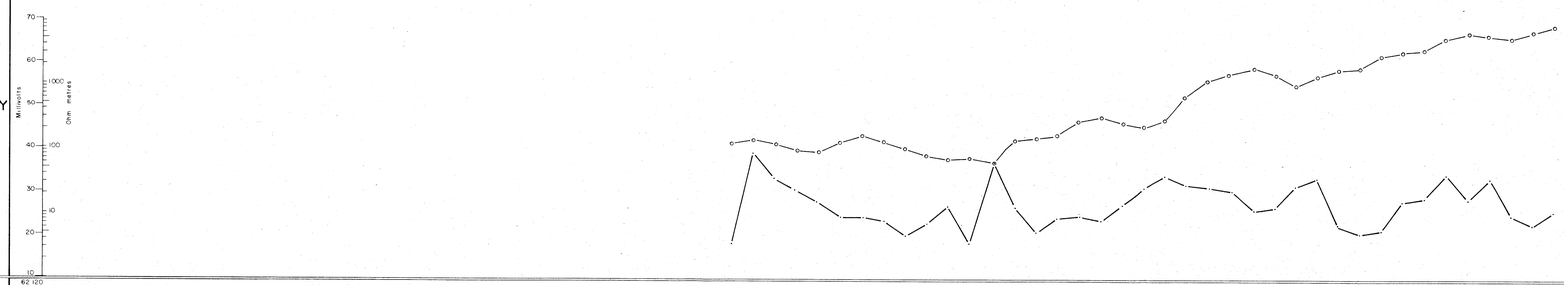
MAGNETICS

GRADIENT ARRAY I.P.

Chargeability
Resistivity

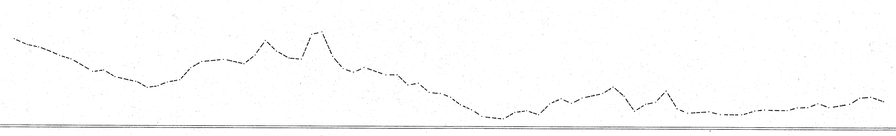
RGC EXPLORATION PTY. LIMITED (INC. IN N.S.W.)			
	COMPILED	A.J.C.	RING RIVER GRID
	DRAWN	J.M.S.	LINE PROFILE
	DATE	MAY 1989	L 5800N
	CHECKED		
	1:25,000 REFERENCE	DUN DAS	
BASE PLAN No. 5524/025	SCALE 1:2500	0 50 100 metres	FIG. RAN 13
OVERLAY PLAN No.			

GRADIENT ARRAY I.P.



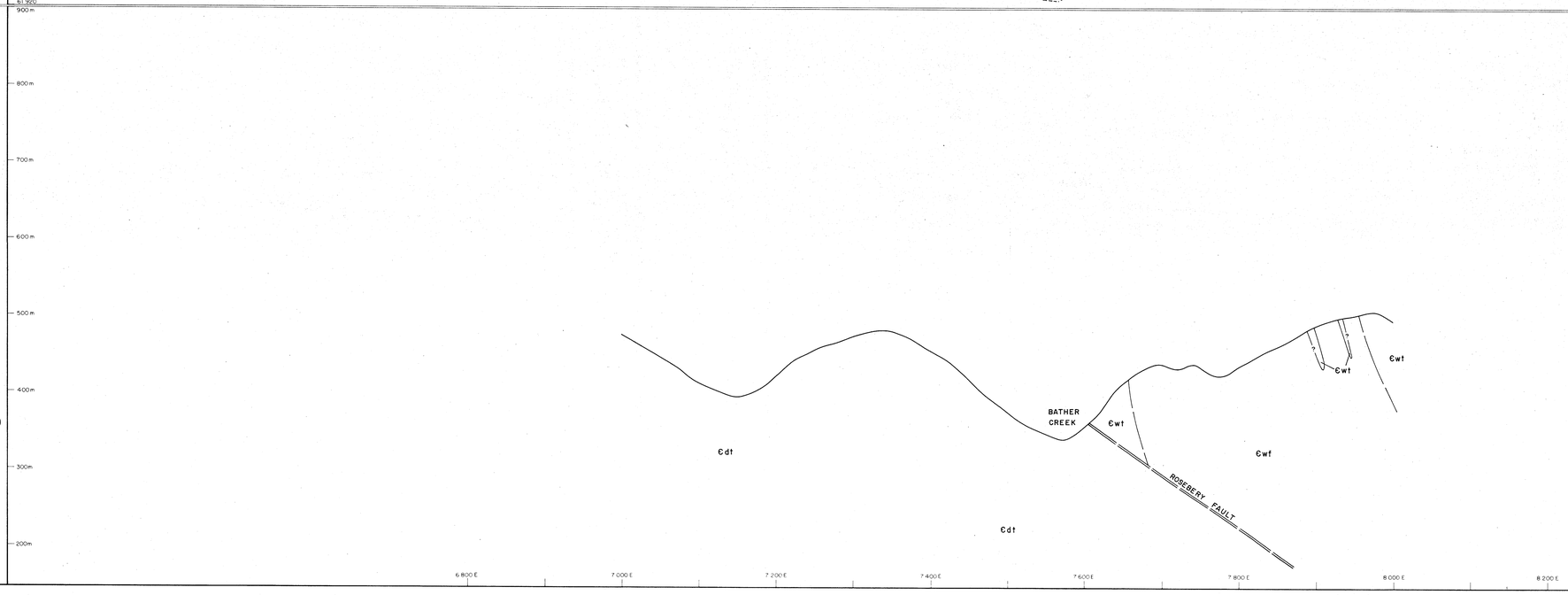
GRADIENT ARRAY I.P.

MAGNETICS (gammas)



MAGNETICS (gammas)

TOPOGRAPHY & GEOLOGY (height above sea level)



TOPOGRAPHY & GEOLOGY (height above sea level)

92-3358.

082346

GEOLOGY

DUNDAS GROUP

- Cdv — FELSIC VITRIC TUFF AND CRYSTAL TUFF
- Cdt — INTERBEDDED QUARTZWACKE AND MUDSTONE
- Cdq — QUARTZWACKE AND CONGLOMERATIC SANDSTONE
- Cdc — POLYMICTIC CONGLOMERATE
- Cwf — MEDIUM TO COARSE GRAINED FELSIC VOLCANIC LITHICWACKE AND FELSIC PUMICEOUS MASS FLOW TUFF

WHITESPUR FORMATION

- Cwt — INTERBEDDED/TURBIDITIC FINE GRAINED FELSIC LITHICWACKE AND GREY MICACEOUS SILTSTONE

- Cqp — RHYOLITIC QUARTZ PORPHYRY, PROBABLY INTRUSIVE
- Csi — PERVASIVELY SILICIFIED ROCKS
- Csh — SILICIFIED/CHERTY MAFIC VOLCANICLASTIC
- Cvb — BASALT, COMMONLY AMYGDALOIDAL, PILLOWED, INTENSE PERVASIVE QUARTZ + CARBONATE ± FUCHSITE ALTERATION
- Cvg — GABBRO, VARIABLY ALTERED TO QUARTZ + CARBONATE ± FUCHSITE ASSEMBLAGE

- GEOLOGICAL BOUNDARY, APPROXIMATE
- INFERRED
- FAULT
- FOLD AXIS, INFERRED

MAGNETICS

GRADIENT ARRAY I.P.

- Chargeability
- Resistivity

RGC EXPLORATION PTY. LIMITED (INC. IN N.S.W.)

	COMPILED	A.J.C.
	DRAWN	J.M.S.
	DATE	MAY 1989
	CHECKED	
	1:25,000 REFERENCE	DUNDAS

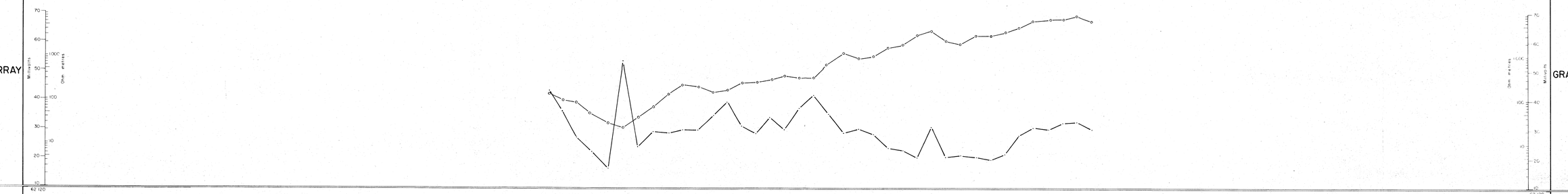
RING RIVER GRID
LINE PROFILE
L 6000N

BASE PLAN No. 5524/026
OVERLAY PLAN No.

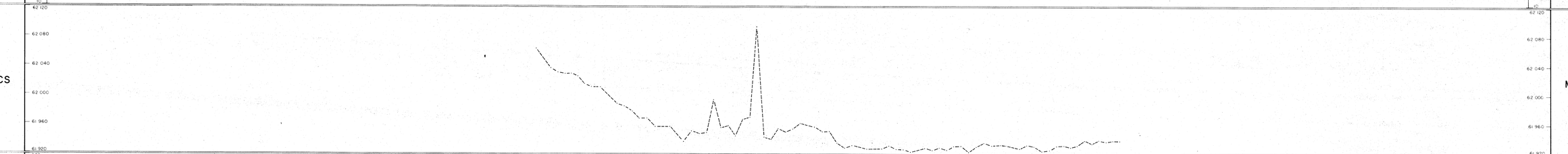
SCALE 1 : 2500 (0 50 100 metres)

FIG. RAN 14

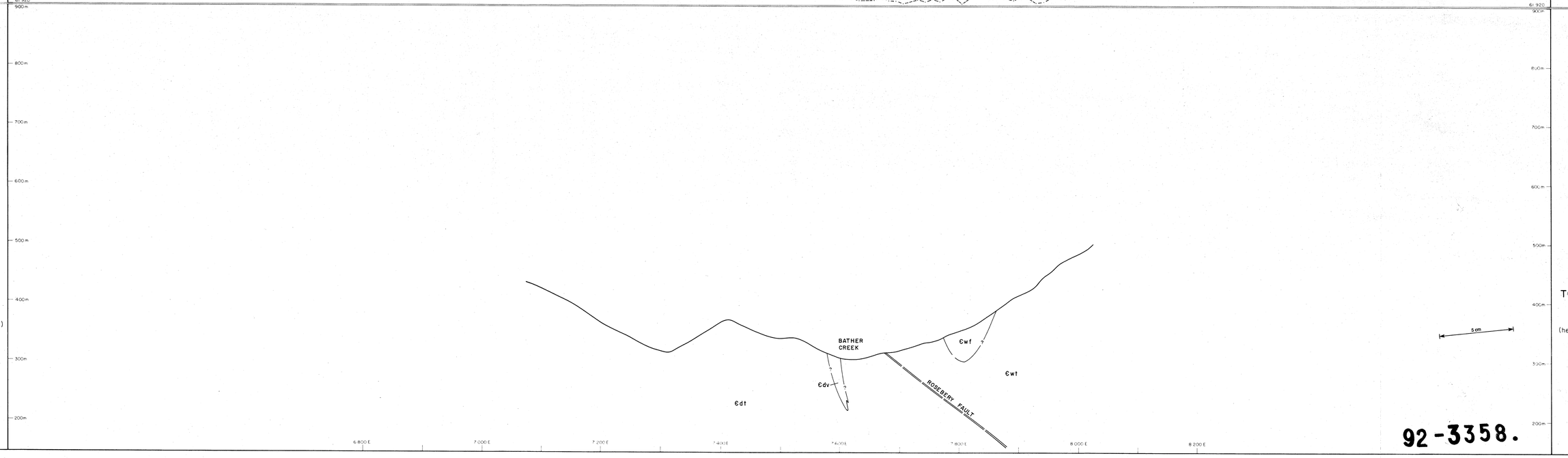
GRADIENT ARRAY I.P.



MAGNETICS (gammas)



TOPOGRAPHY & GEOLOGY (height above sea level)



92-3358.

C82347

GEOLOGY

DUNDAS GROUP

PUMPERNICKEL FORMATION

- Cdt — FELSIC VITRIC TUFF AND CRYSTAL TUFF
- Cdl — INTERBEDDED QUARTZWACKE AND MUDSTONE
- Cdg — QUARTZWACKE AND CONGLOMERATIC SANDSTONE
- Cdc — POLYMICTIC CONGLOMERATE
- Cwf — MEDIUM TO COARSE GRAINED FELSIC VOLCANIC LITHICWACKE AND FELSIC PUMICEOUS MASS FLOW TUFF
- Cwt — INTERBEDDED, TURBIDITIC FINE GRAINED FELSIC LITHICWACKE AND GREY MICACEOUS SILTSTONE
- Cdp — PORPHYRITIC QUARTZ PORPHYRY, PROBABLY INTRUSIVE
- Cds — PERVASIVELY SILICIFIED ROCKS
- Cdch — SILICIFIED/CHERTY MAFIC VOLCANICLASTIC
- Cdb — BASALT, COMMONLY AMYGDALOIDAL, PILLOWED, INTENSE PERVASIVE QUARTZ + CARBONATE ± FUCHSITE ALTERATION
- Cdg — GABBRO, VARIABLY ALTERED TO QUARTZ + CARBONATE ± FUCHSITE ASSEMBLAGE

GEOLOGICAL BOUNDARY, APPROXIMATE / INFERRED

FAULT

FOLD AXIS, INFERRED

MAGNETICS

GRADIENT ARRAY I.P.

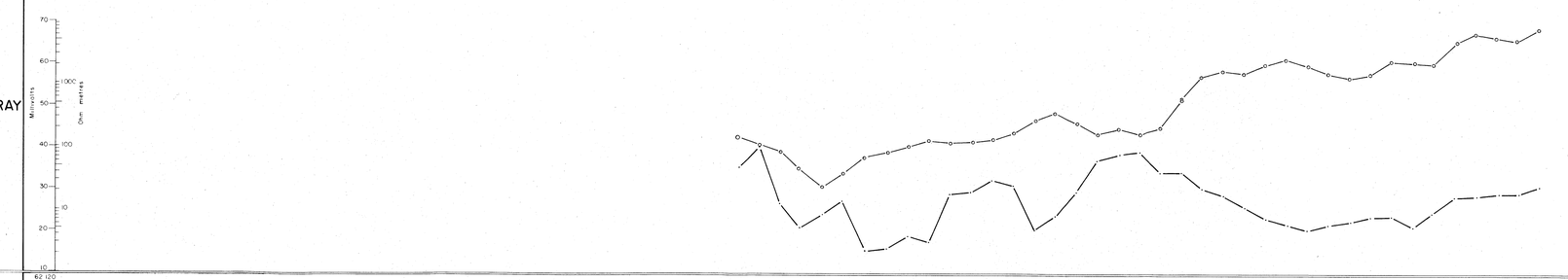
Chargeability

Resistivity

RGC EXPLORATION PTY. LIMITED
(INC. IN N.S.W.)

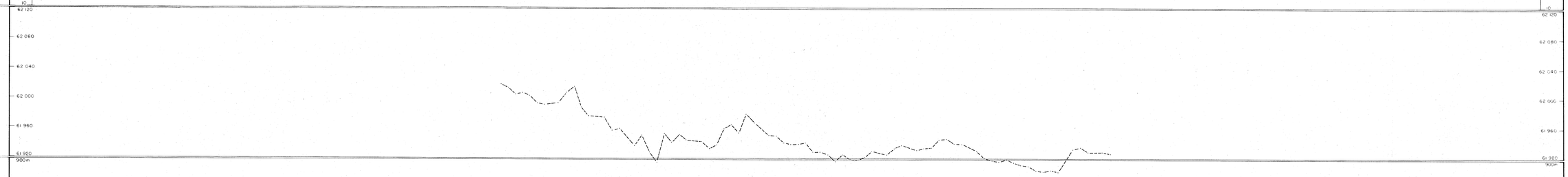
COMPILED	A.J.C.	RING RIVER GRID
DRAWN	J.M.S.	LINE PROFILE
DATE	MAY 1989	L 6400N
CHECKED		
1:25,000 REFERENCE	DUNDAS	
BASE PLAN No. 5524/028	SCALE 1 : 2 500 (0 50 100 metres)	FIG. PLAN 16
OVERLAY PLAN No.		

GRADIENT ARRAY I.P.



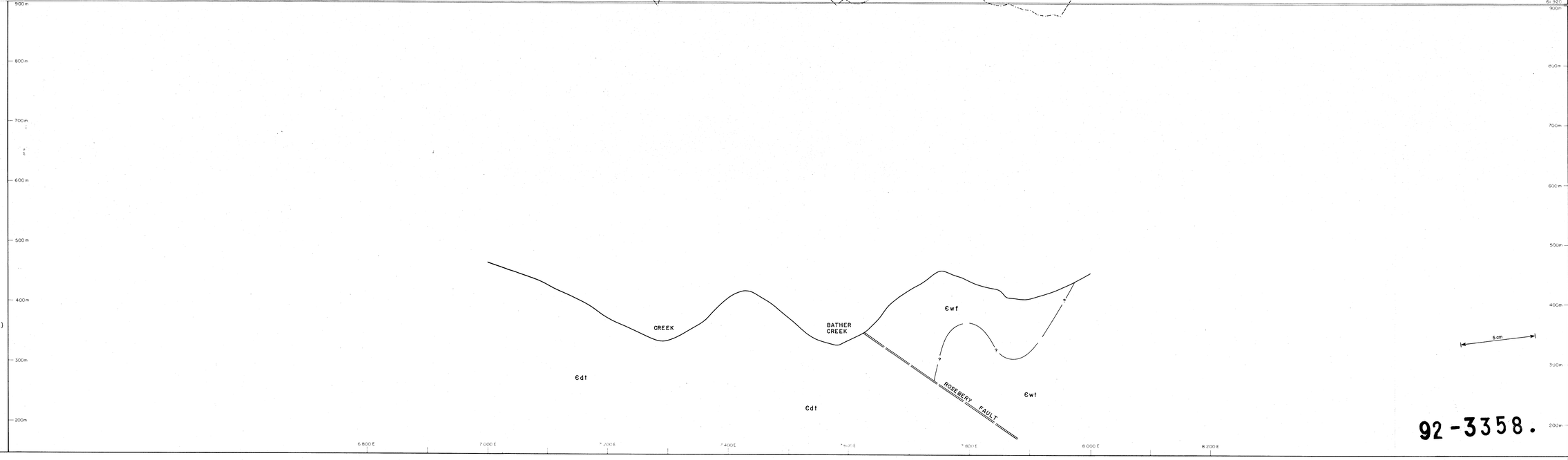
GRADIENT ARRAY I.P.

MAGNETICS (gammas)



MAGNETICS (gammas)

TOPOGRAPHY & GEOLOGY (height above sea level)



TOPOGRAPHY & GEOLOGY (height above sea level)

92-3358.

GEOLOGY

DUNDAS GROUP

- Ed1 FELSIC VITRIC TUFF AND CRYSTAL TUFF
- Ed1 INTERBEDDED QUARTZWACKE AND MUDSTONE
- Ed2 QUARTZWACKE AND CONGLOMERATIC SANDSTONE
- Ed3 POLYMICTIC CONGLOMERATE
- Ewf MEDIUM TO COARSE GRAINED FELSIC VOLCANIC LITHICWACKE AND FELSIC PUMICEOUS MASS FLOW TUFF
- Ewt INTERBEDDED TURBIDITIC FINE GRAINED FELSIC LITHICWACKE AND GREY MICACEOUS SILTSTONE
- Erp RHYOLITIC QUARTZ PORPHYRY, PRIMARILY INTRUSIVE
- Es PERVASIVELY SILICIFIED ROCKS
- Evb SILICIFIED/CHERTY MAFIC VOLCANICLASTIC
- Evb BASALT, COMMONLY AMYGDALOIDAL, P...AEO...INTENSE PERVASIVE QUARTZ + CARBONATE ± FUCHSITE ALTERATION
- Egb GABBRO, VARIABLY ALTERED TO QUARTZ + CARBONATE ± FUCHSITE ASSEMBLAGE

GEOLOGICAL BOUNDARY, APPROXIMATE / INFERRED

FAULT

FOLD AXIS, INFERRED

MAGNETICS

GRADIENT ARRAY I.P.

Chargeability

Resistivity

052348

RGC EXPLORATION PTY. LIMITED
(INC. IN N.S.W.)

COMPILED	A. J.C.	RING RIVER GRID
DRAWN	J. M. S.	LINE PROFILE
DATE	MAY 1989	L 6200N
CHECKED		
1:25,000 REFERENCE	DUNDAS	
BASE PLAN No. 5524/027		FIG. RAN/15
OVERLAY PLAN No.	SCALE 1 : 2 500	0 50 100 metres

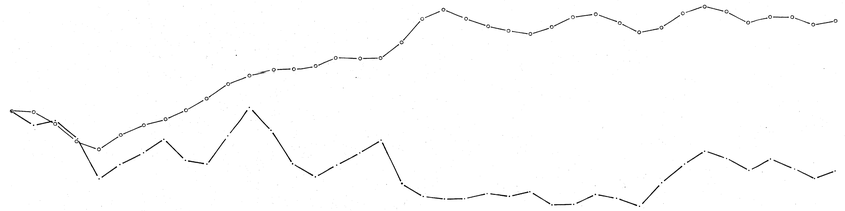
GRADIENT ARRAY I.P.

Millivolts

70 60 50 40 30 20 10

Ohm metres

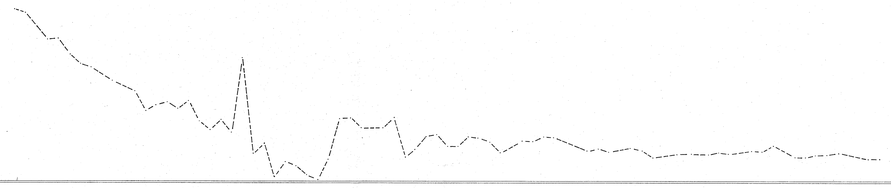
1000 100 10



GRADIENT ARRAY I.P.

MAGNETICS (gammas)

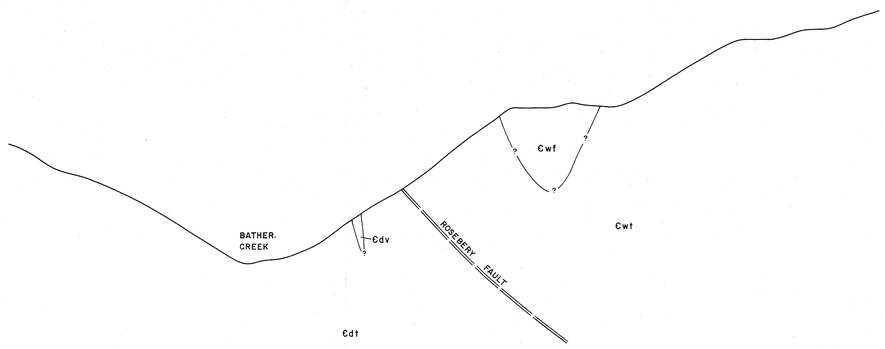
62 120 — 62 080 — 62 040 — 62 000 — 61 960 — 61 920



MAGNETICS (gammas)

TOPOGRAPHY & GEOLOGY (height above sea level)

900m — 800m — 700m — 600m — 500m — 400m — 300m — 200m



6 800 E — 7 000 E — 7 200 E — 7 400 E — 7 600 E — 7 800 E — 8 000 E — 8 200 E

5cm

92-3358.

082349

TOPOGRAPHY & GEOLOGY (height above sea level)

GEOLOGY

DUNDAS GROUP

PATTINSON FORMATION

- Cdv — FELSIC VITRIC TUFF AND CRYSTAL TUFF
- Cdw — INTERBEDDED QUARTZWACKE AND MUDSTONE
- Cdq — QUARTZWACKE AND CONGLOMERATIC SANDSTONE
- Cdc — POLYMICTIC CONGLOMERATE
- Cwf — MEDIUM TO COARSE GRAINED FELSIC VOLCANIC LITHICWACKE AND FELSIC PUMICEOUS MICROLITIC TUFF
- Cwt — INTERBEDDED, TURBIDITIC FINE GRAINED FELSIC LITHWACKE AND GREY MICACEOUS SILTSTONE
- Cq — RHYOLITIC QUARTZ PORPHYRY, PROBABLY INTRUSIVE
- Cs — PERVASIVELY SILICIFIED ROCKS
- Cdb — SILICIFIED/CHERTY MAFIC VOLCANICLASTIC
- Cdb — BASALT, COMMONLY AMYGDALOIDAL, PLUMACEOUS, INTENSE PERVASIVE QUARTZ + CARBONATE ± FUCHSITE ALTERATION
- Cdg — GABBRO, VARIABLY ALTERED TO QUARTZ + CARBONATE ± FUCHSITE ASSEMBLAGE

GEOLOGICAL BOUNDARY, APPROXIMATE

INFERRED

FAULT

FOLD AXIS, INFERRED

MAGNETICS

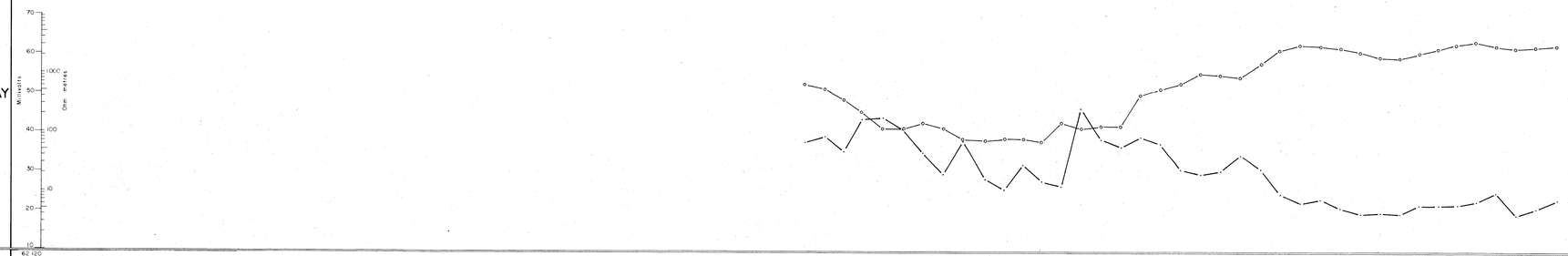
GRADIENT ARRAY I.P.

Chargeability

Resistivity

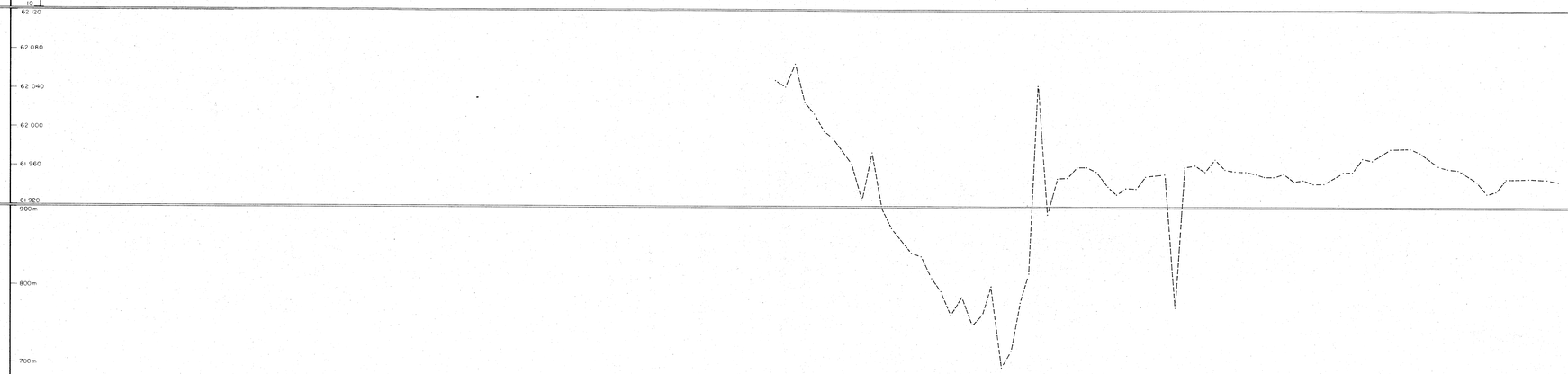
RGC EXPLORATION PTY. LIMITED (INC. IN N.S.W.)			
	COMPILED	A.V.C.	RING RIVER GRID
	DRAWN	J.M.S.	LINE PROFILE
	DATE	MAY 1989	L 6600N
	CHECKED		
	1:25,000 REFERENCE	DUNDAS	
BASE PLAN No. 5524/029	SCALE 1 : 2 500	0 50 100 metres	FIG. PLAN 17
OVERLAY PLAN No.			

GRADIENT ARRAY I.P.



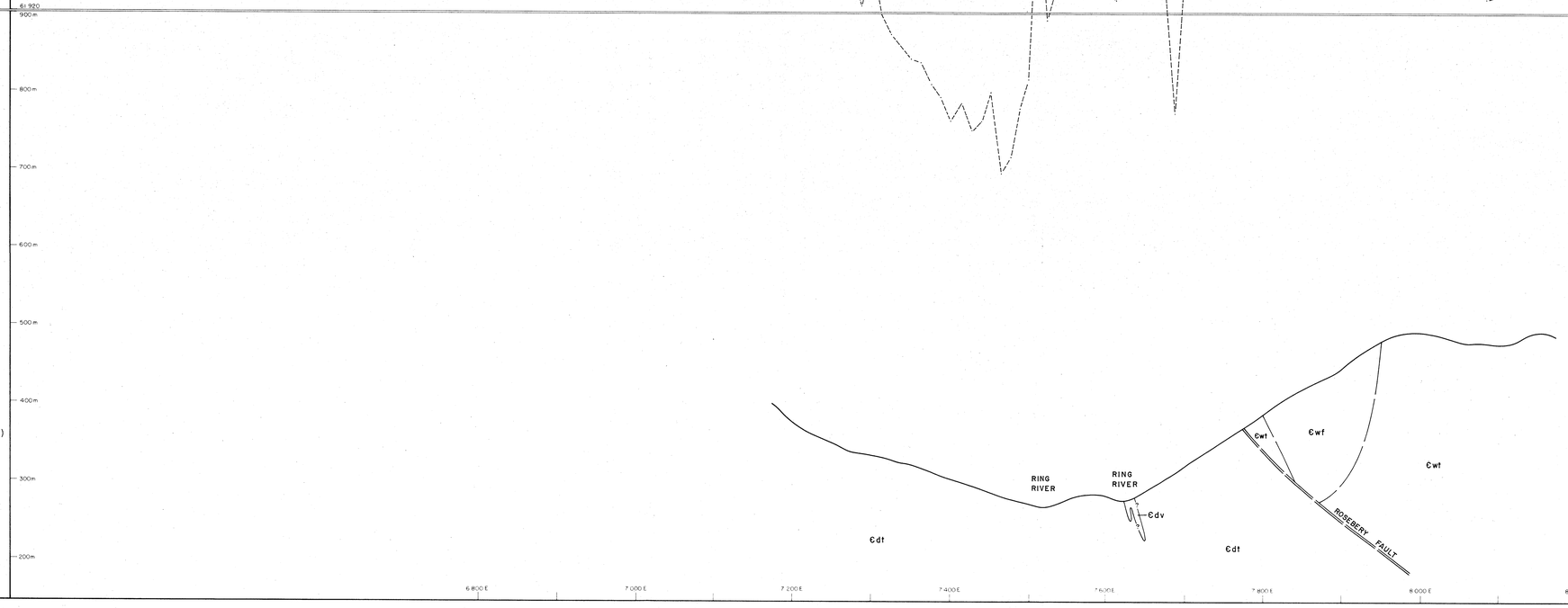
GRADIENT ARRAY I.P.

MAGNETICS (gammas)



MAGNETICS (gammas)

TOPOGRAPHY & GEOLOGY (height above sea level)



TOPOGRAPHY & GEOLOGY (height above sea level)

92-3358.

082350

GEOLOGY

DUNDAS GROUP

PANTON FORMATION

- Cdv — FELSIC VITRIC TUFF AND CRYSTAL TUFF
- Cdt — INTERBEDDED QUARTZWACKE AND MUDSTONE
- Cdq — QUARTZWACKE AND CONGLOMERATIC SANDSTONE
- Cdc — POLYMICTIC CONGLOMERATE
- Cwf — MEDIUM TO COARSE GRAINED FELSIC VOLCANIC LITHICWACKE AND FELSIC PUMICEOUS MASS FLOW TUFF
- Cwt — INTERBEDDED / TURBIDITIC FINE GRAINED FELSIC LITHICWACKE AND GREY MICACEOUS SILTSTONE
- Cqp — RHYOLITIC QUARTZ PORPHYRY, ENDOGENY INTRUSIVE
- Cs — PERVASIVELY SILICIFIED ROCKS
- Cvb — SILICIFIED/CHERTY MAFIC VOLCANICLASTIC
- Cvb — BASALT, COMMONLY AMYGDALOIDAL, PILLOWED, INTENSE PERVASIVE QUARTZ ± CARBONATE ± FUCHSITE ALTERATION
- Cvg — GABBRO, VARIABLY ALTERED TO QUARTZ + CARBNATE ± FUCHSITE ASSEMBLAGE

GEOLOGICAL BOUNDARY, APPROXIMATE

INFERRED

FAULT

FOLD AXIS, INFERRED

MAGNETICS

GRADIENT ARRAY I.P.

Chargeability

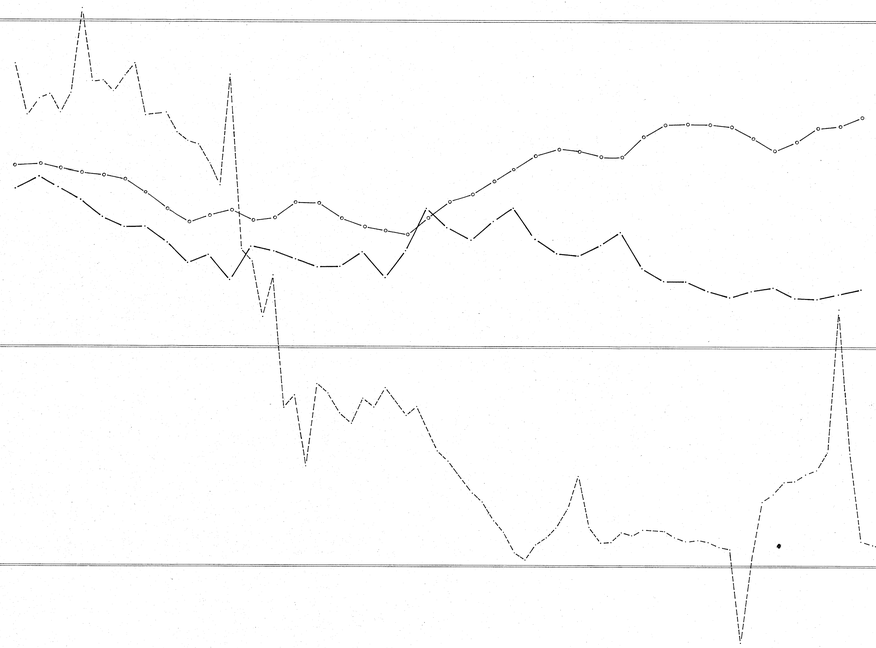
Resistivity

RGC EXPLORATION PTY. LIMITED (INC. IN N.S.W.)			
	COMPILED	A.J.C.	RING RIVER GRID
	DRAWN	J.M.S.	LINE PROFILE
	DATE	MAY 1989	L 6800N
	CHECKED		
	1:25,000 REFERENCE	DUNDAS	
BASE PLAN No. 5524/030	SCALE 1:2500	0 50 100 metres	FIG. PLAN /3
OVERLAY PLAN No.			

GRADIENT ARRAY I.P.

Millivolts: 70, 60, 50, 40, 30, 20, 10

Ohm metres: 1000, 100, 10

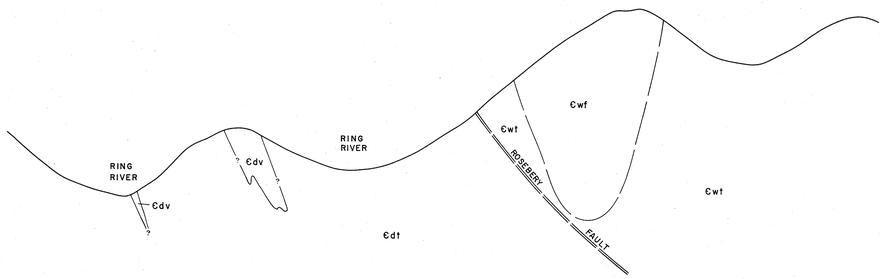


MAGNETICS (gammas)

62 120
62 080
62 040
62 000
61 960
61 920

TOPOGRAPHY & GEOLOGY (height above sea level)

900m
800m
700m
600m
500m
400m
300m
200m



6 800 E
7 000 E
7 200 E
7 400 E
7 600 E
7 800 E
8 000 E
8 200 E

92-3358.

082351

GEOLOGY

DUNDAS GROUP

- Cdv — FELSIC VITRIC TUFF AND CRYSTAL TUFF
- Cdt — INTERBEDDED QUARTZWACKE AND MUDSTONE
- Cdq — QUARTZWACKE AND CONGLOMERATIC SANDSTONE
- Cdc — POLYMICTIC CONGLOMERATE

ANTHESTOR VOLCANICS

- Cwf — MEDIUM TO COARSE GRAINED FELSIC VOLCANIC LITHICWACKE AND FELSIC PUMICEOUS MASS FLOW TUFF
- Cwt — INTERBEDDED, TURBIDITIC FINE GRAINED FELSIC LITHICWACKE AND GREY MICACEOUS SILTSTONE

- Czp — RHYOLITIC QUARTZ PORPHYRY, PROBABLY INTRUSIVE
- Cs — PERVASIVELY SILICIFIED ROCKS
- Cvs — SILICIFIED/CHERTY MAFIC VOLCANICLASTIC
- Cvb — BASALT, COMMONLY AMYGDALOIDAL, PILLOWED, INTENSE PERVASIVE QUARTZ + CARBONATE ± FUCHSITE ALTERATION
- Cvg — GABBRO, VARIABLY ALTERED TO QUARTZ + CARBONATE ± FUCHSITE ASSEMBLAGE

GEOLOGICAL BOUNDARY, APPROXIMATE
INFERRED
FAULT
FOLD AXIS, INFERRED

MAGNETICS

GRADIENT ARRAY I.P.
Chargeability
Resistivity

RGC EXPLORATION PTY. LIMITED (INC. IN N.S.W.)			
	COMPILED	A.J.C.	RING RIVER GRID LINE PROFILE L 7000N
	DRAWN	J.M.S.	
	DATE	MAY 1989	
	CHECKED		
	1:25,000 REFERENCE	DUNDAS	
BASE PLAN No. 5524/031	SCALE 1 : 2 500	0 50 100 metres	FIG. PLAN 19
OVERLAY PLAN No.			

082352

10359 ● RECONNAISSANCE SAMPLE

SHEET LAYOUT

STRINGER	ROSEBERY	TULLAH
HEEMSKIRK	DUNDAS	SELINA
TRIAL	OCEANA	TYNDALL

RGC EXPLORATION PTY. LIMITED

E.L. 101/87 & 13/88

RECONNAISSANCE SAMPLE LOCATION PLAN

DRAWN BY	J.C.
DRAFTSMAN	M.O.W.
DATE	JULY 1990
REVISIONS	
FILE NO.	5512/130

SCALE 1:25 000 — 500 0 500 1000 METRES

PLAN 20

SUENGALT FALLS

BATHER CREEK

ROSEBERY FAULT

LEGEND

DUNDAS GROUP

- Cdv — FELSIC VITRIC TUFF
- Cdt — INTERBEDDED QUARTZWACKE AND MUDSTONE
- Cug — GABBRO
- Cdp — QUARTZ-PHYRIC RHYOLITE, VARIABLY BRECCIATED

White Spur Formation

- Cwf — FELDSPAR-QUARTZ-PHYRIC FELSIC TUFF
- Cwt — INTERBEDDED TURBIDITIC MUDSTONE SANDSTONE

SHEET A

SHEET B

5 cm

92-3358.1

082353

RGC EXPLORATION PTY. LIMITED
(INC. IN N.S.W.)

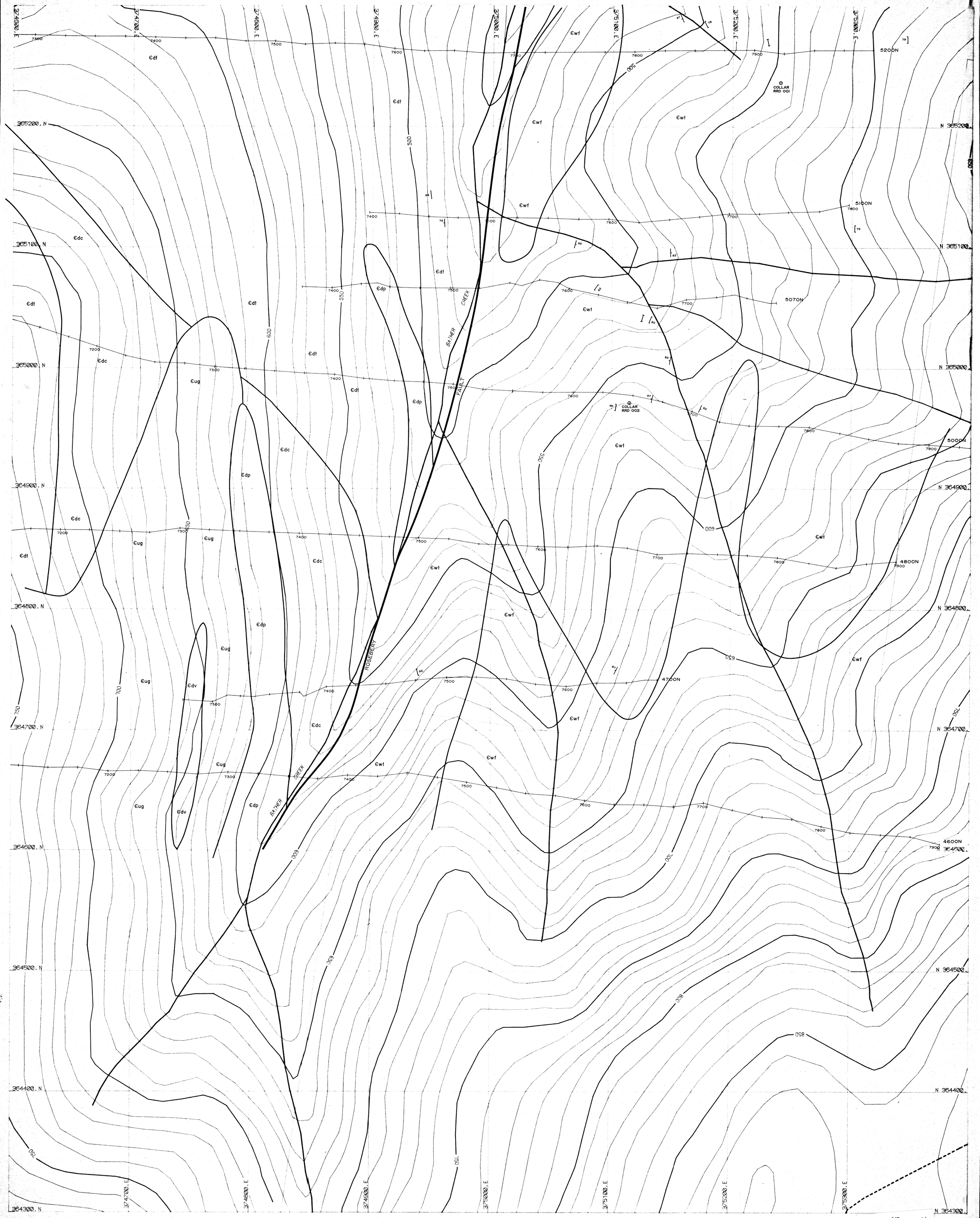
COMPILED	S.HALEY
DRAWN	M.WALTER
DATE	APRIL 1990
CHECKED	
1:25,000 REFERENCE	

E.L. 13/88 MOORES PIMPLE
RING RIVER GRID
GEOLOGY INTERPRETATION

BASE PLAN No. 5524/004
OVERLAY PLAN No.

SCALE 1:1000 0 10 20 30 50m

PLAN 2.1



LEGEND

DUNDAS GROUP

- Edv — FELSIC VITRIC TUFF
- Edt — INTERBEDDED QUARTZWACKE AND MUDSTONE
- Eug — GABBRO
- Edp — QUARTZ - PHYRIC RHYOLITE, VARIABLY BRECCIATED

White Spur Formation

- Ewf — FELDSPAR - QUARTZ - PHYRIC FELSIC TUFF
- Ewt — INTERBEDDED TURBIDITIC MUDSTONE AND SANDSTONE

SHEET A

SHEET B

92-3358.

082354

RGC EXPLORATION PTY. LIMITED
(INC. IN N.S.W.)

COMPILED	S. HALEY
DRAWN	M Walter
DATE	April 1990
CHECKED	
1:25,000 REFERENCE	

E.L. 13/88 MOORES PIMPLE

RING RIVER GRID

GEOLOGY INTERPRETATION

BASE PLAN No. 5524/005

OVERLAY PLAN No.

SCALE 1:1000 (0 10 20 30 50m)

PLAN 22

C92355

OPEN FILE

E.L. 101/87 DUNDAS AND

E.L. 13/88 MOORES PIMPLE

PARTIAL RELINQUISHMENT REPORT

FOR THE PERIOD 1988 to 1992

92-3358

VOLUME 3 of 3

MICROFILMED

MINES
File Ref.
- 2 JUN 1992
Doc. Ref.
Action Officer | Initials
Resubmit to | Date

Compiled By: D.J.F. Crossing
Senior Geologist

Report No. T/92/7

May, 1992

Endorsed By: M.J. Fleming
Senior Exploration Geologist

Distribution: • Tasmania Mines Department (1)
o RGC Exploration (1)

74800E 74900E 75000E 75100E 75200E 75300E 75400E

600 500 400 300 200 100 0

Edt

Ewt

Ewf

Ewf

MUDS
MUDS
MUDS
MUDS
MUDS
SAND
MUDS
SAND
SAND
MUDS
MUDS

TUFF

MUDS

283.00
RRD001
PBT ROCK

ROSEBERY FAULT

5 cm

92-3358.

082356

* SEE PLAN No 5 FOR GEOLOGY LEGEND

R.G.C. Exploration Pty Ltd

RING RIVER
RRD001 DRILL HOLE
DIAMOND DRILL SAMPLING

SCALE 1:1000

0 20 40 60 80 100 M

PLAN 23

5524/036

INTERNATIONAL GEOSYSTEMS CORPORATION

74800E 74900E 75000E 75100E 75200E 75300E 75400E

600 500 400 300 200 100 0

Edt

Edp

Edt

Ewt

Ewt

Ewf

GWAC

MUDS

MUDS

ROSEBERY FAULT

BRKX

SAND

SILT

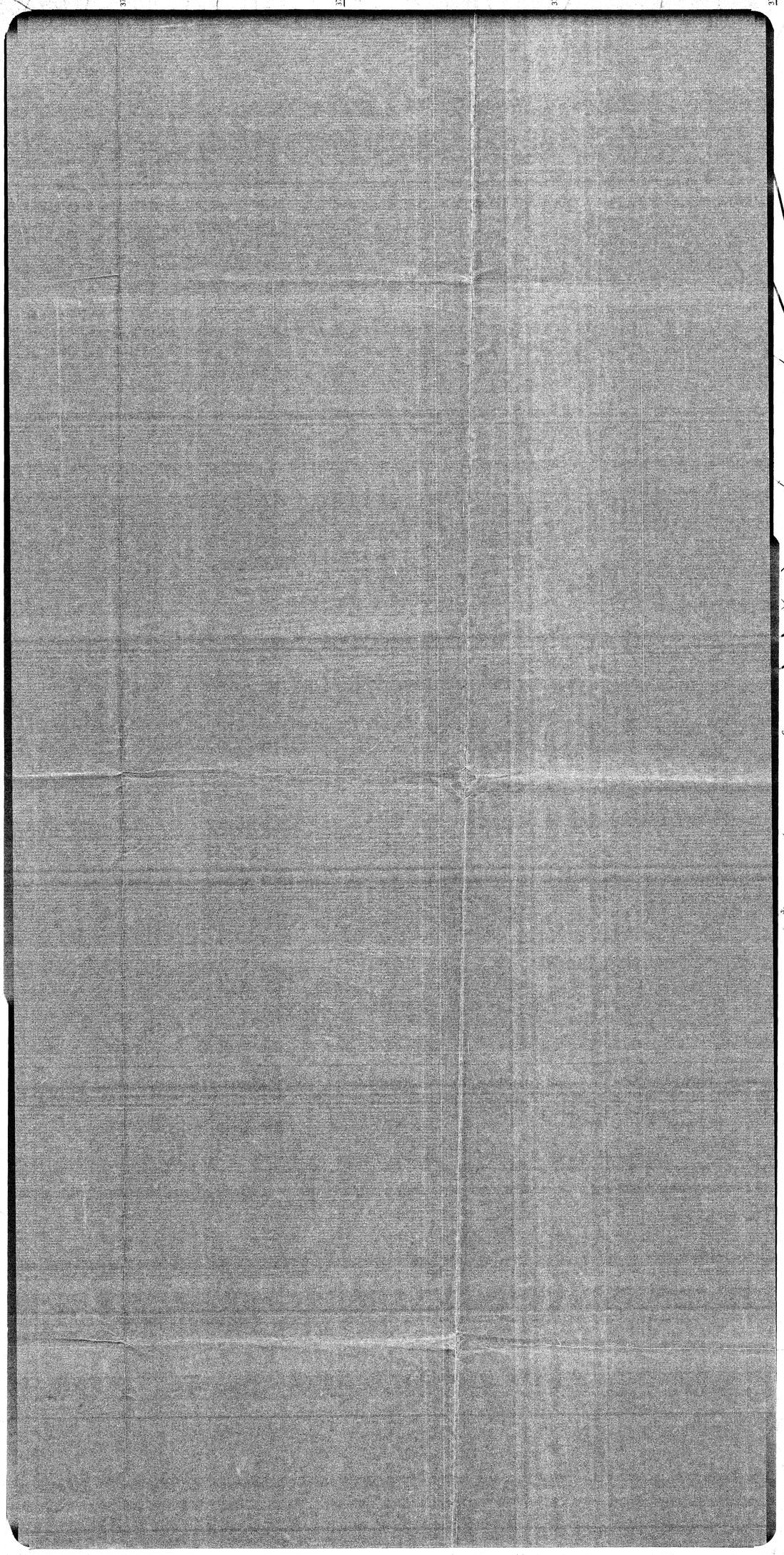
MUDS

SILT

MUDS

SILT

MUDS



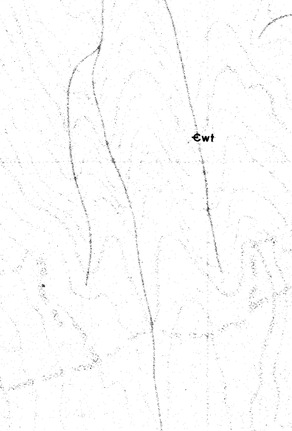
LEGEND

QUATERNARY	Qg	Glacial till
CAMBRIAN	Ctp	Pink carbonate rich siltstone/greywacke
	Ctg	Grey carbonate-rich siltstone/greywacke
	Cdt	Micaceous quartzwacke
	Cc	Polymict conglomerate
	Cvs	Tuffaceous quartzwackes
	Cvf	Rhyolitic volcanics
	Cwt	Turbiditic siltstone
	Cwf	Feldspar-quartz phyric luff
	Cug	Gabbro/basalt
	Cus?	Serpentinite ? fuchsite/silica?carbonate altered
	Ctl	Limestone (within Ctg)

PRECAMBRIAN	Po	Micaceous quartzite and black phyllite
	Pod	Maestries conglomerate
	Pos	Concert schist

- Fault
- Interpreted geological contact
- Unconformity
- Strike and dip of bedding
- Strike and dip of joint
- Strike and dip of foliation
- Abandoned mine/prospect

ACCOUNTABILITY DIAGRAM



1. MAPPING BY R.POLTOCK MAY 1990.

2. MAPPING BY S.HALLEY JANUARY 1990.

5 cm

082358

92-3358.

RGC EXPLORATION PTY. LIMITED

COMPILED	J.CROSSING
DRAWN	M.WALTER
DATE	MAY 1990
CHECKED	
1:25,000 REFERENCE	

E.L. 13/88

MT. DUNDAS GRID

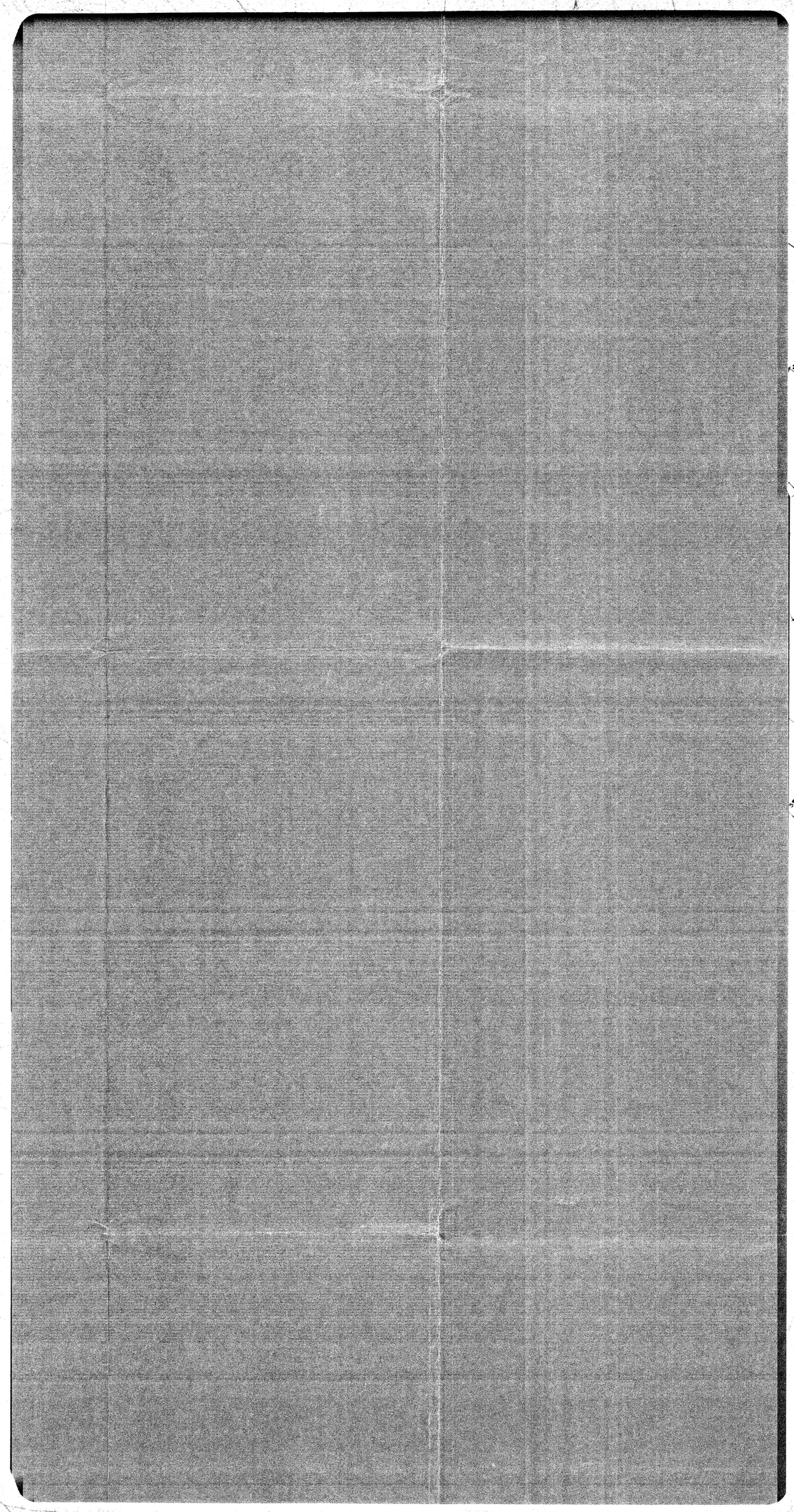
INTERPRETED GEOLOGY

BASE PLAN No. 5524/012

OVERLAY PLAN No.

SCALE 1:5000 — 0 100 250m

PLAN 25



082359 92-3358.

RGC EXPLORATION PTY. LIMITED

COMPILED	J.CROSSING
DRAWN	M.WALTER
DATE	MAY 1990
CHECKED	
1:25,000 REFERENCE	

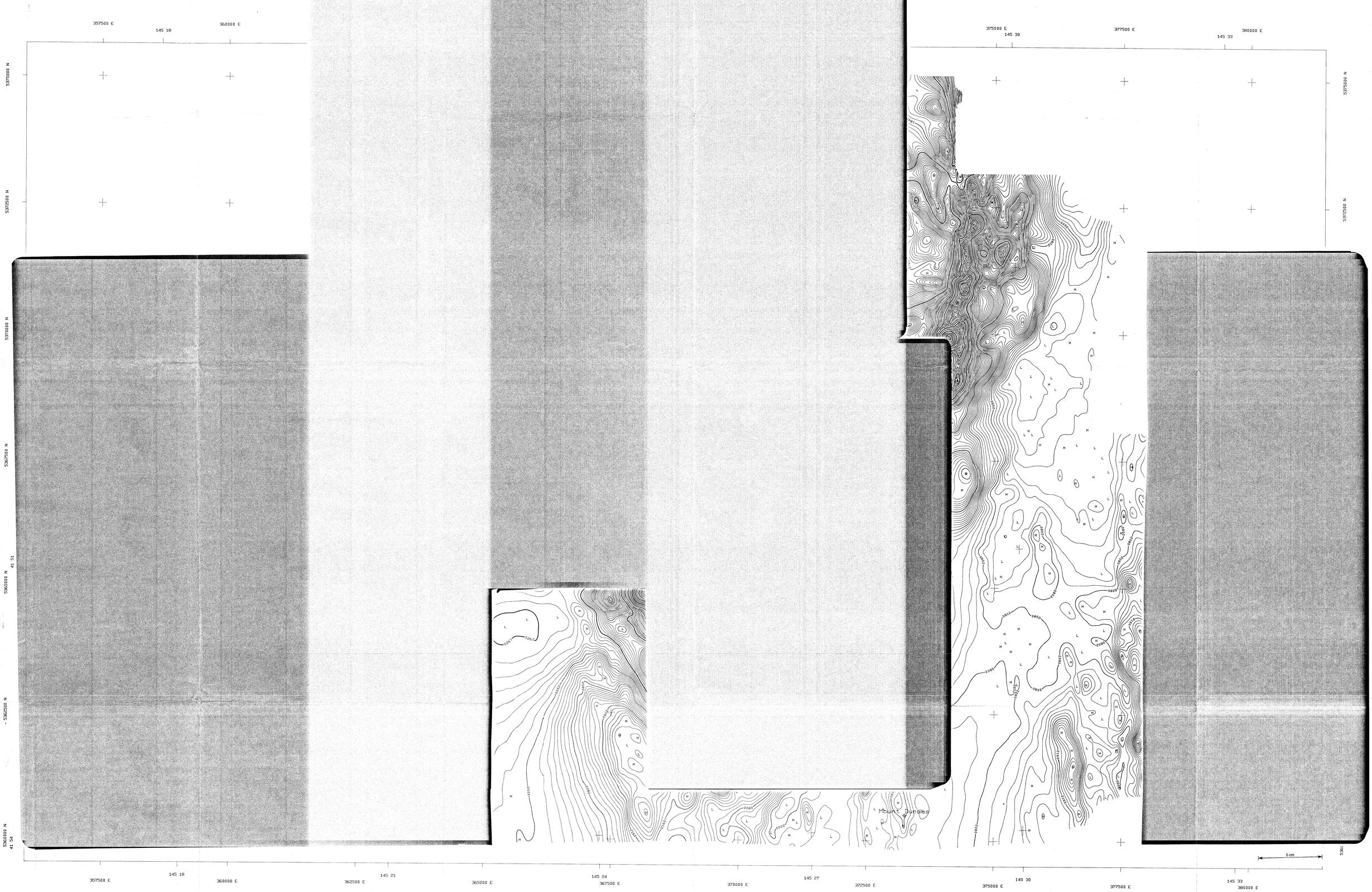
E.L. 13/88
MT. DUNDAS GRID

Rock Chip Sample Locations Au

BASE PLAN No. 5524-012
OVERLAY PLAN No.

SCALE 1:5000

16



DATA ACQUISITION:

This survey was flown in March 1989 by Geoterrex Pty. Ltd.

Data Recording:	Geoterrex Madacs acquisition system.
Flight Path Record:	Automax 35mm continuous tracking camera.
Navigation:	Visual using 1:15 000 scale black and white enlargements of high level photography.
Magnetometer:	Caesium Vapour optical absorption
	Sensitivity: 0.05 nT.
Recording Intervals:	0.1 sec. (approx 5m sampling).
Nominal Spacing:	Traverses 150 metres east/west.
	Tielines 1 500 metres north/south.
Terrain Clearance:	Sensor in towed bird below helicopter at nominal 75 metres.
Ground Speed:	Approximately 180 km/hr.

RGC EXPLORATION PTY. LTD.
ZEEHAN - TASMANIA
RESIDUAL MAGNETIC INTENSITY CONTOURS

by Pitt Research Pty Limited, Sydney, Australia

October 1989

DATA PROCESSING:

Final magnetic levelling, corrections and mapping performed by Pitt Research Pty Ltd., Sydney, Australia.

Grid Mesh Size:	25m x 25m
Contour Interval:	10.0 nT
IGRF (1985):	Removed and datum of 2000 nT added.
Total field:	62,371 nT
Inclination:	-72.45 degrees down
Declination:	12.69 degrees East

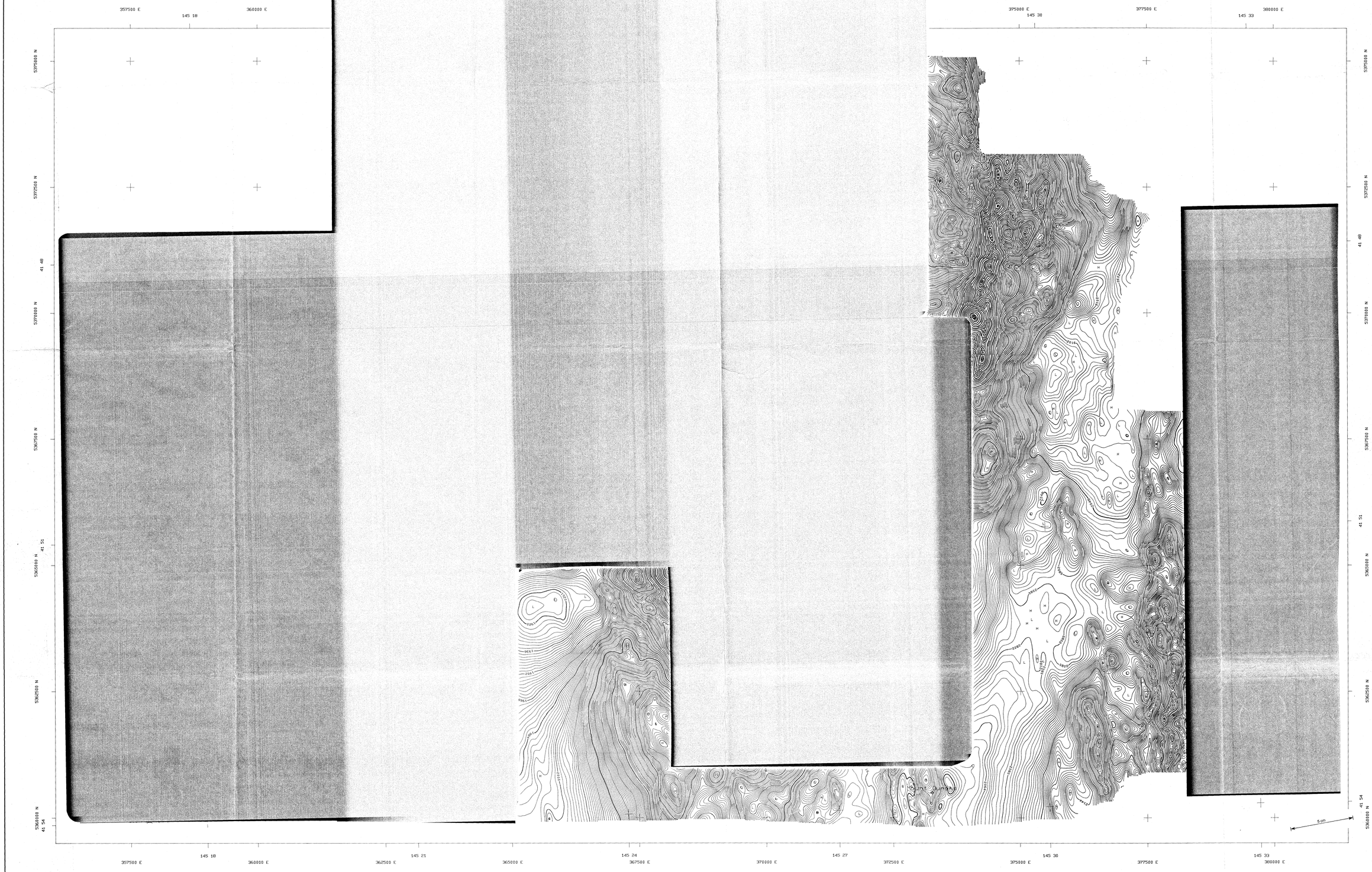
Australian Map Grid Zone 55.

082360

92-3358.

PLAN 27

5512/004



DATA ACQUISITION:

This survey was flown in March 1989 by Geoterrex Pty. Ltd.

Data Recording:	Geoterrex Madacs acquisition system.
Flight Path Record:	Automax 35mm continuous tracking camera.
Navigation:	Visual using 1:15 000 scale black and white enlargements of high level photography.
Magnetometer:	Caesium Vapour optical absorption
	Sensitivity: 0.05 nT.
Recording Interval:	0.1 sec. (approx 5m sampling).
Nominal Spacing:	Traverses 150 metres east/west.
	Tielines 1 500 metres north/south.
Terrain Clearance:	Sensor in towed bird below helicopter at nominal 75 metres.
Ground Speed:	Approximately 180 km/hr.

500 0 500 1000 1500 2000 2500 Metres

Scale 1:25,000

RGC EXPLORATION PTY. LTD.
ZEEHAN - TASMANIA
RESIDUAL MAGNETIC INTENSITY CONTOURS

by Pitt Research Pty Limited, Sydney, Australia

October 1989

G.N. M.N.

DATA PROCESSING:

Final magnetic levelling, corrections and mapping performed by Pitt Research Pty Ltd., Sydney, Australia.

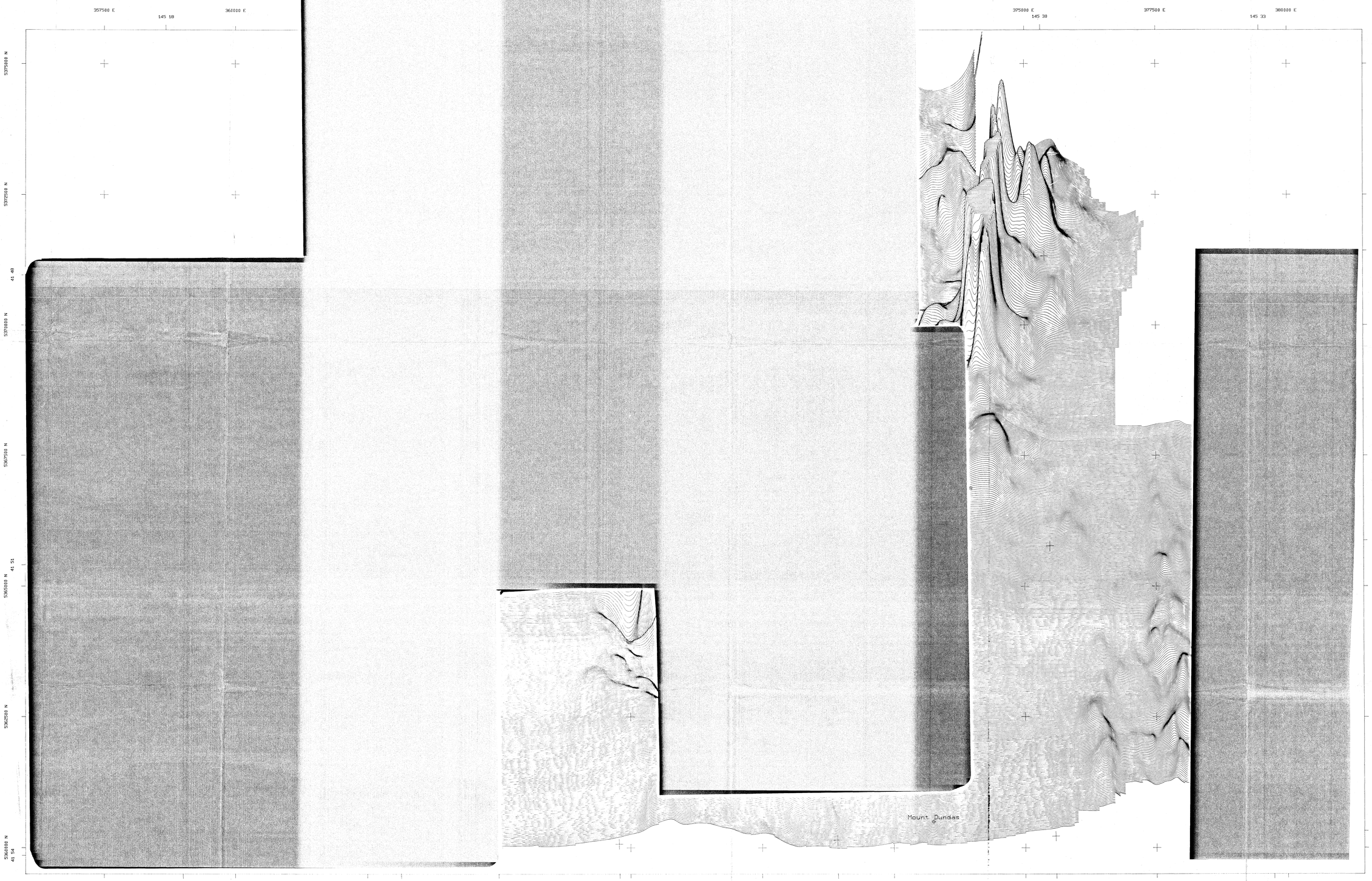
Grid Mesh Size:	25m x 25m
Contour Interval:	82.5 nT
IGRF (1985):	Removed and datum of 2000 nT added.
Total field:	62,371 nT
Inclination:	-72.45 degrees down
Declination:	12.69 degrees East

Australian Map Grid Zone 55.

082361

92-3358. PLAN 28

5512/005



DATA ACQUISITION:

This survey was flown in March 1989 by Geoterrex Pty. Ltd.

Data Recording: Geoterrex Madacs acquisition system.
Flight Path Record: Autonav 35mm continuous tracking camera.
Navigation: Visual using 1:15 000 scale black and white enlargements of high level photography.

Magnetometer: Caesium Vapour optical absorption
Sensitivity: 0.05 nT.
Recording Interval: 0.1 sec. (approx 5m sampling).
Nominal Spacing: Traverses 150 metres east/west.
Tielines 1 500 metres north/south.
Terrain Clearance: Sensor in towed bird below helicopter at nominal 75 metres.
Ground Speed: Approximately 180 km/hr.

500 0 500 1000 1500 2000 2500 Metres

Scale 1:25,000

RGC EXPLORATION PTY. LTD.
ZEEHAN - TASMANIA
RESIDUAL MAGNETIC INTENSITY GRID PROFILES

by Pitt Research Pty Limited, Sydney, Australia

October 1989



DATA PROCESSING:

Final magnetic levelling, corrections and mapping performed by Pitt Research Pty Ltd., Sydney, Australia.

Grid Mesh Size: 25m x 25m
Profile scale: 100.0 nT/cm

IGRF (1985): Removed and datum of 2000 nT added.
Total Field: 62,371 nT
Inclination: -72.45 degrees down
Declination: 12.69 degrees East

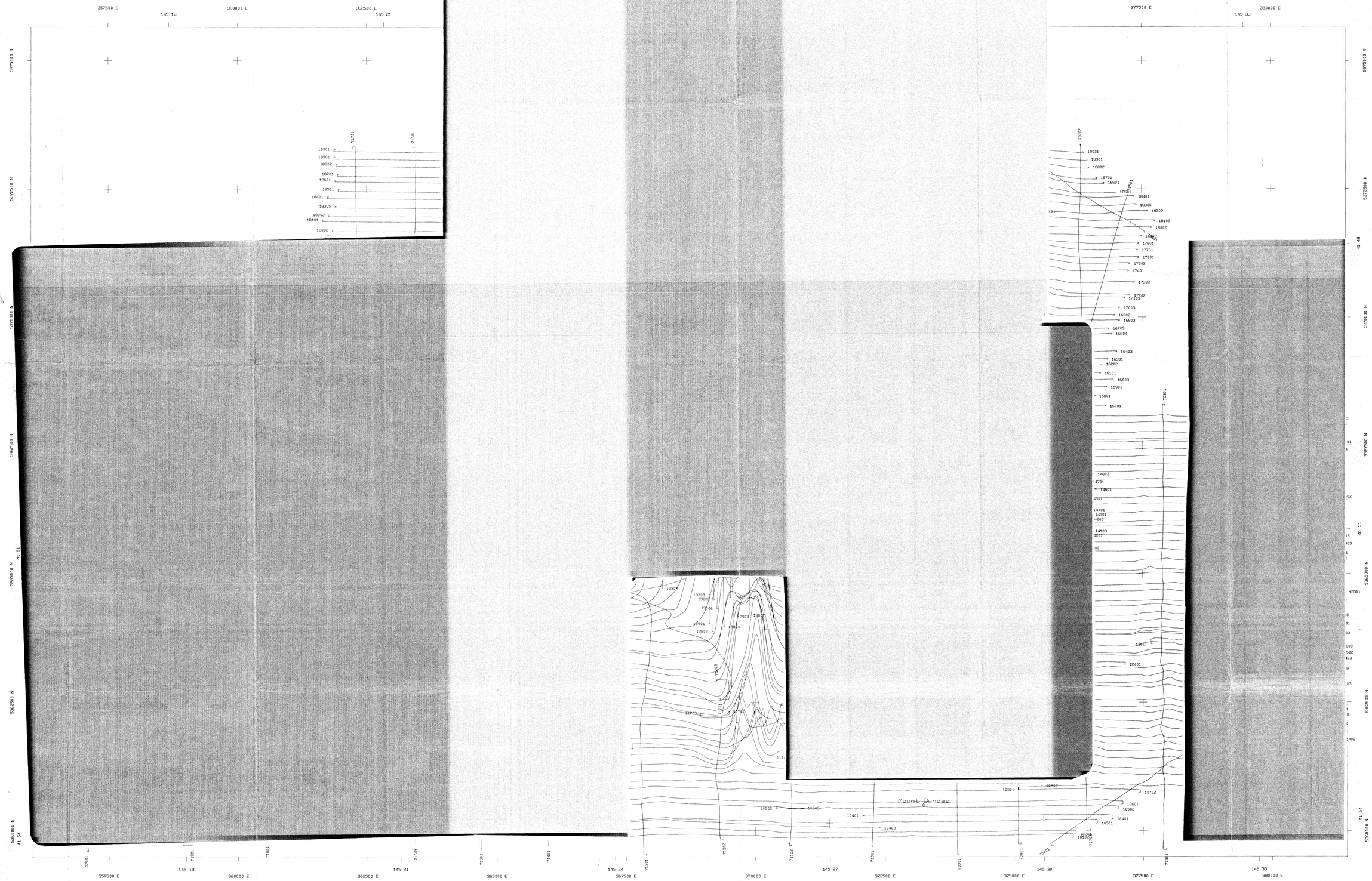
Australian Map Grid Zone 55.

5 cm

OS22C2
92-3358.
PLAN 29

5512/006

5512/006



DATA ACQUISITION:

This survey was flown in March 1989 by Geoterrex Pty. Ltd.

Data Recording:	Geoterrex Madacs acquisition system.
Flight Path Record:	Rutomax 35mm continuous tracking camera.
Navigation:	Visual using 1:15 000 scale black and white enlargements of high level photography.
Magnetometer:	Caesium Vapour optical absorption
	Sensitivity: 0.05 nT.
Recording Interval:	0.1 sec. (approx 5m sampling).
Nominal Spacing:	Traverses 150 metres east/west.
	Tielines 1 500 metres north/south.
Terrain Clearance:	Sensor in towed bird below helicopter at nominal 75 metres.
Ground Speed:	Approximately 180 km/hr.

500 0 500 1000 1500 2000 2500 Metres

Scale 1:25,000

RGC EXPLORATION PTY. LTD.
ZEEHAN - TASMANIA
RESIDUAL MAGNETIC INTENSITY PROFILES

by Pitt Research Pty Limited, Sydney, Australia

October 1989

E.N. M.N.

DATA PROCESSING:

Final magnetic levelling, corrections and mapping performed by Pitt Research Pty Ltd., Sydney, Australia.

Profile base value: 2000.0 nT
Nanoteslas per cm: 500 nT

IGRF (1985):	Removed and datum of 2000 nT added.
Total field:	62,371 nT
Inclination:	-72.45 degrees down
Declination:	12.69 degrees East

Australian Map Grid Zone 55.

082363

5 cm

92-3358.

PLAN 30

5512/007



DATA ACQUISITION:

This survey was flown in March 1989 by Geoterrex Pty. Ltd.

Data Recording:	Geoterrex Madacs acquisition system.
Flight Path Record:	Automax 35mm continuous tracking camera.
Navigation:	Visual using 1:15 000 scale black and white enlargements of high level photography.
Magnetometer:	Caesium Vapour optical absorption Sensitivity: 0.05 nT.
Recording Interval:	0.1 sec. (approx 5m sampling).
Nominal Spacing:	Traverses 150 metres east/west. Tielines 1 500 metres north/south.
Terrain Clearance:	Sensor in towed bird below helicopter at nominal 75 metres.
Ground Speed:	Approximately 180 km/hr.

500 0 500 1000 1500 2000 2500 Metres

Scale 1:25,000

RGC EXPLORATION PTY. LTD.
ZEEHAN - TASMANIA
RESIDUAL MAGNETIC INTENSITY PROFILES

by Pitt Research Pty Limited, Sydney, Australia

October 1989

G.N M.N 12.69°

DATA PROCESSING:

Final magnetic levelling, corrections and mapping performed by Pitt Research Pty Ltd., Sydney, Australia.

Profile base value:	2000.0 nT
Nanoteslas per cm:	150 nT
Data range:	1600 to 2400 nT
IGRF (1985):	Removed and datum of 2000 nT added.
Total field:	62,371 nT
Inclination:	-72.45 degrees down
Declination:	12.69 degrees East

Australian Map Grid Zone 55.

082364

5cm

92-3358.

PLAN 31

5512/008

5512/008



DATA ACQUISITION:

This survey was flown in March 1989 by Geoterrex Pty. Ltd.

Data Recording:	Geoterrex Madacs acquisition system.
Flight Path Record:	Automax 35mm continuous tracking camera.
Navigation:	Visual using 1:15 000 scale black and white enlargements of high level photography.
Magnetometer:	Caesium Vapour optical absorption
	Sensitivity: 0.05 nT.
Recording Interval:	0.1 sec. (approx 5m sampling).
Nominal Spacing:	Traverses 150 metres east/west.
	Tielines 1 500 metres north/south.
Terrain Clearance:	Sensor in towed bird below helicopter at nominal 75 metres.
Ground Speed:	Approximately 180 km/hr.

500 0 500 1000 1500 2000 2500 Metres

Scale 1:25,000

RGC EXPLORATION PTY. LTD.
ZEEHAN - TASMANIA
FLIGHT PATH MAP

by Pitt Research Pty Limited, Sydney, Australia

October 1989

E.N. M.N. 12.42°

DATA PROCESSING:

Final magnetic levelling, corrections and mapping performed by Pitt Research Pty Ltd., Sydney, Australia.

Inclination: -72.45 degrees down
Declination: 12.69 degrees East

Australian Map Grid Zone 55.

082365

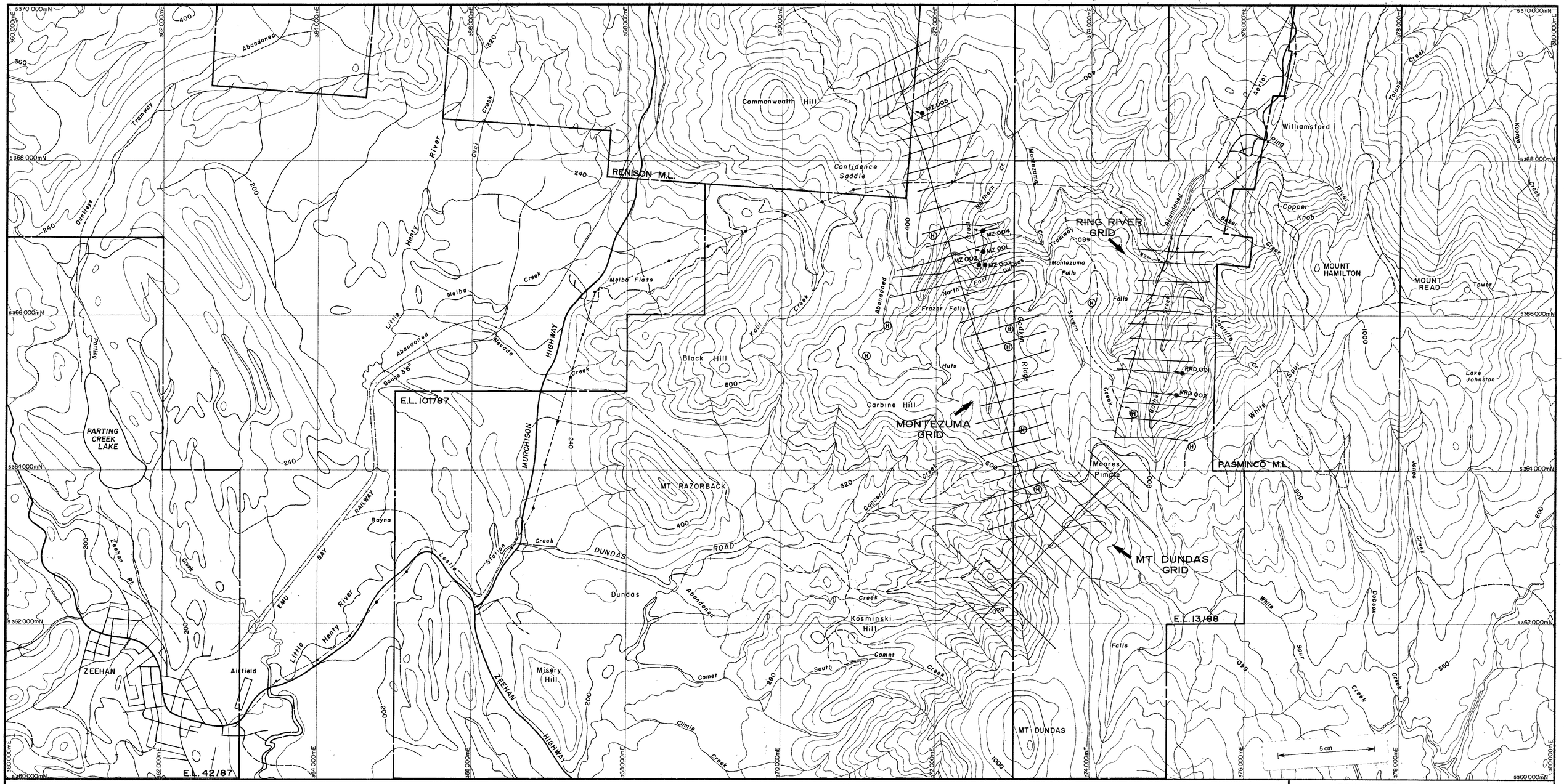
5 cm

92-3358.

PLAN 32

5512/009

5512/009



LEGEND

- 1989/90 GRID
- 1989/90 DRILL HOLES
- (H) HELIPADS

GN TN | MN

GRID/MAGNETIC ANGLE 11° 6' (1986)

M.V. moves Easterly by about 0.1° every 2 years

SHEET LAYOUT

STRINGER	ROSEBERY	TULLAH
HEEMSKIRK	DUNDAS	SELINA
TRIAL	OCEANA	TYNDALL

RGC EXPLORATION PTY. LIMITED

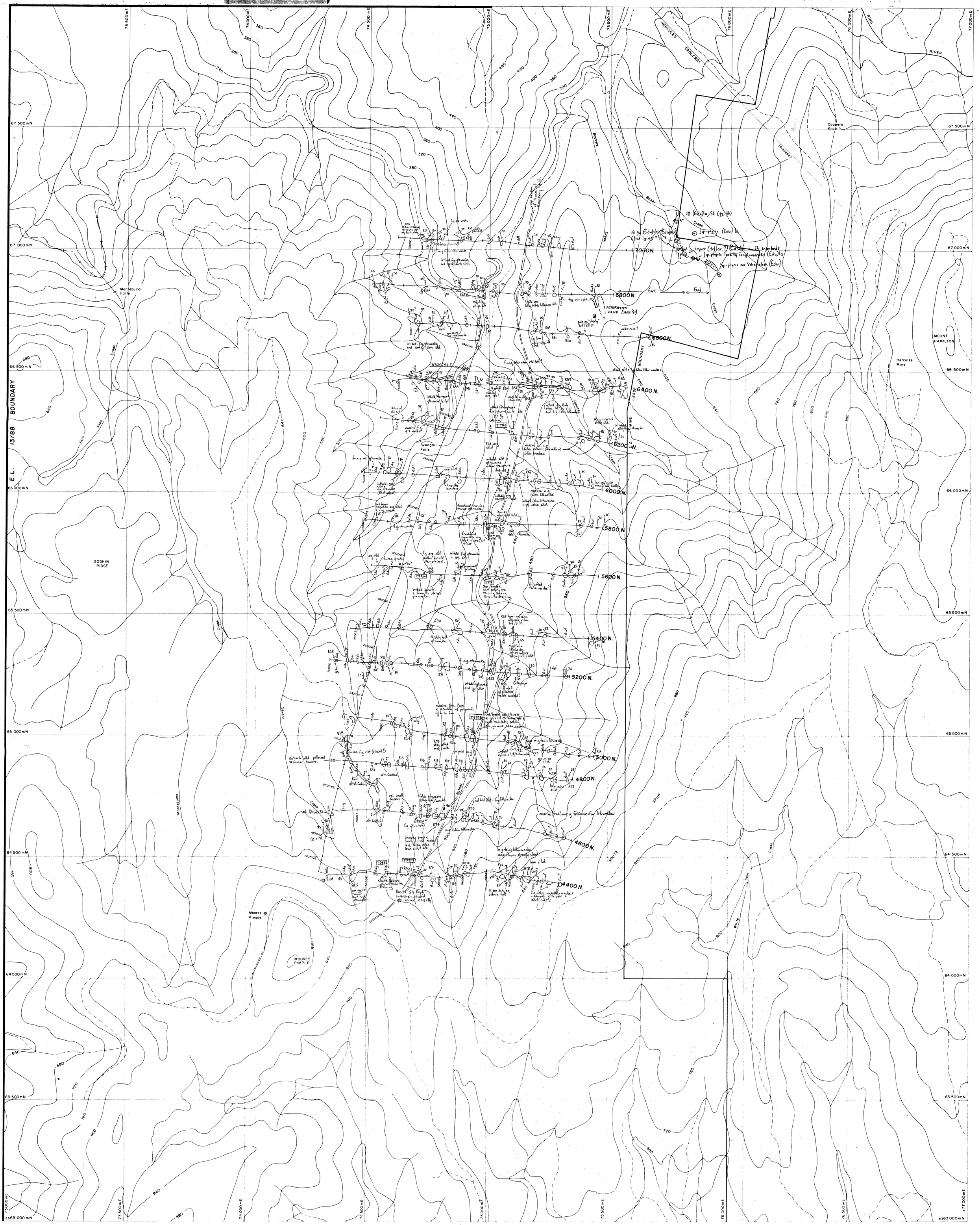
E.L. 101/87 & 13/88

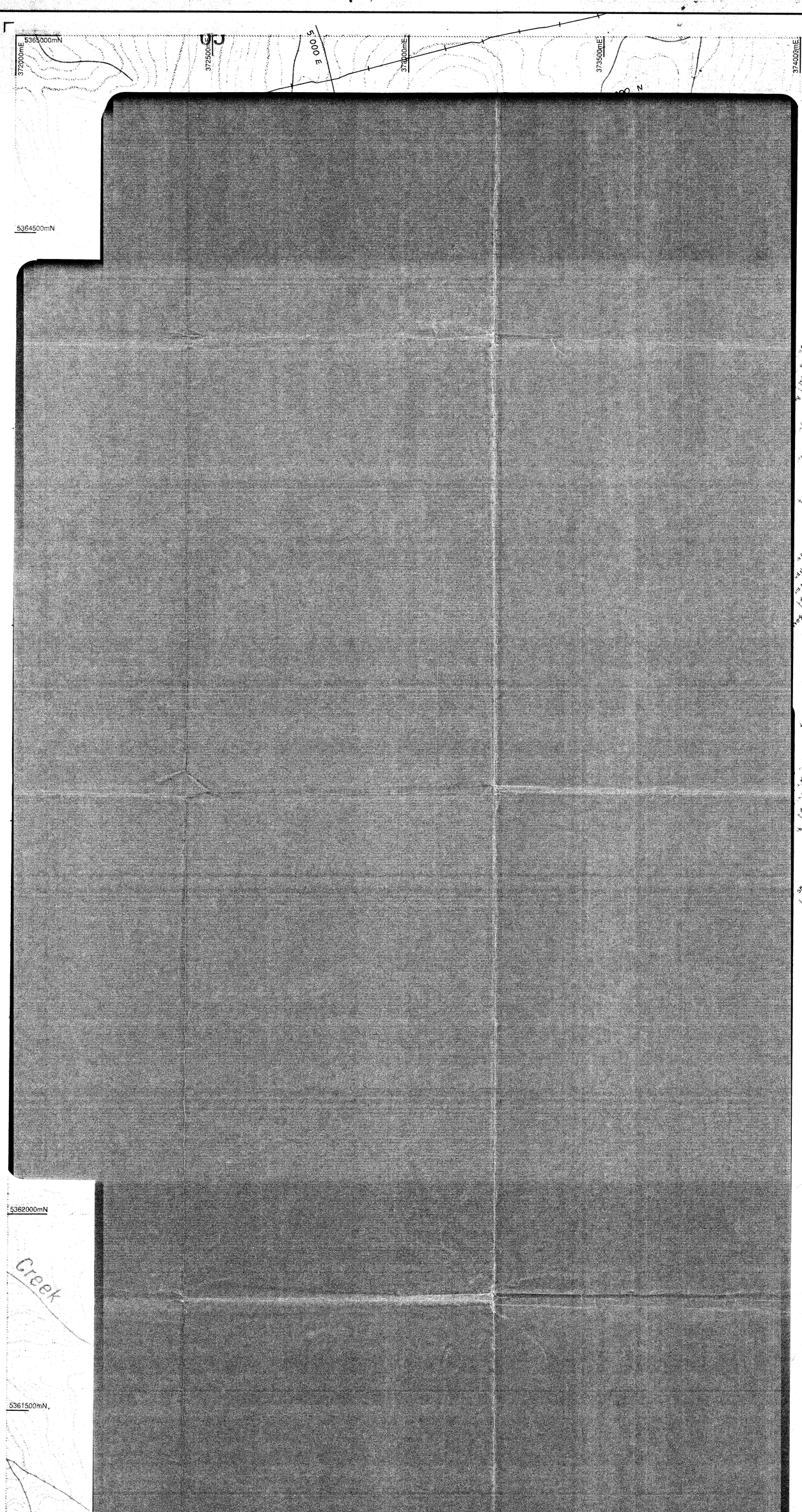
DRILLHOLE AND GRID LOCATION PLAN

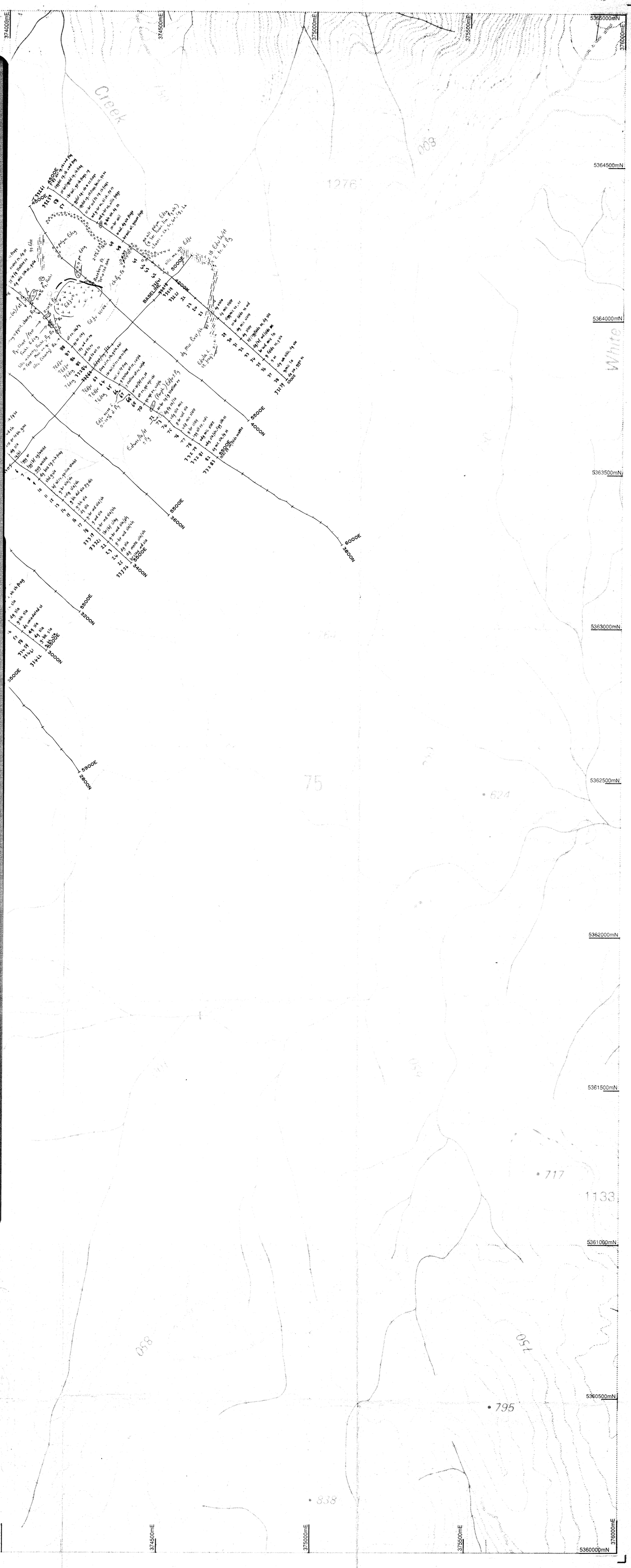
082366

DRAWN BY	M.O.W.
DRAFTSMAN	
DATE	MAY 1990
REVISIONS	
FILE NO.	5522/001
PLAN	23

SCALE 1:25 000 — 500 0 500 1000 METRES


13/88 BOUNDARY
E.L.
RING RIVER
HERCULES CABLEWAY
Boxer Creek
Coppers Knob
(GLEARED)
MOUNT HAMILTON
Hercules Mine
LEASE BOUNDARY
MINE
Montezuma Falls
Montezuma Creek
Avon Creek
GODKIN RIDGE
Svengali Falls
Svengali Creek
Moores Pimple
MOORES PIMPLE
White Spur Creek
18 (Edw)la/st (gg, fb)
a) fsp-phyric (Edw) la
Impure (tuff)ac.?) (Edw)la ± Sh interbeds
or fsp-phyric lacstlty conglomeratic (Edw)la
fsp-phyric mx Volcaniclast. (Edw)
18 gy (Edw)sh/(Edw)s
(Stad lying) ±fy
ALTERATION ZONE (SWH '91)
pale grn "chertoid" tuff? / silt st.
water race?
intbdd. silt + fg felsic lithwackes
massive m-c felsic lithwackes
massive (fresh) m-c.g. felsic/mass flow lithwackes
m-g felsic lithwacke massive, strongly silicified
lam silt st.
Sil/carb altd. pillowed vesicular basalt.
Sil/carb altd. Gabbro
rel. unalt Gabbro
Breccd. Qtz Porph extensively silicified qtz veined, cpy/Py
Sil/carb altd. Gabbro with minor banding
Sil/carb altd. mafic rock.
Sil/carb altd. mafic rock with minor banding
Sil/carb altd. mafic rock with minor banding
Sil/carb altd. mafic rock with minor banding





LEGEND

Bedding
Joint
Foliation
Schistosity
Folds
Fault
Cleavage

Shaft
Adit
Trench

alt - altered
bf - buffed
bk - black
br - brown
cc - carbonate/calcareous
cg - conglomerate
ch - chert
chl - chlorite
dg - dark green
dis - disseminated
epi - epidote
fb - finebedded
Fe - iron
flam - finely laminated
felds - feldspathic
fg - fine grained
frac - fracture
frag - fragments
g - green
goss - gossan
gr/graph - graphite
gy - grey
intbd - interbedded
lam - laminated
la - lithic arenite
lg - light green
lith - lithic
Hm - hematite
Jam - Jamesonite
md - mudstone
meta - metamorphosed
mg - medium grained
mic - micaceous
musc - muscovite
or - orange
p - pink
por - porous
py - pyrite
qz - quartz
rx - rock
sh - shale
sil - siliceous
sla - slate
ss - sandstone
st - siltstone
sulph - sulphides
Tf - Tuff
Tss - Tuffaceous sandstone
v - very
vnlet - veinlet vn - vein
vol - volcanic
wd - weathered
wh - white
Xtalline - crystalline
yl - yellow

STRATIGRAPHY

JURASSIC — Jdl — Jurassic dolerite

CAMBRIAN — Ed — Dundas group (undifferentiated); Edw — White Spur Fm.

PROTEROZOIC — Eo — Oonah Fm (undifferentiated); Eod — Maestries conglomerate (dolomitic); Eos — Concert Schist

GRID BASED FACTUAL GEOLOGY IS BASED ON LOGGING OF AUGER SAMPLES (BY DMD)

5cm

082368

92-3358.

RGC EXPLORATION PTY. LIMITED
INC. IN N.S.W.

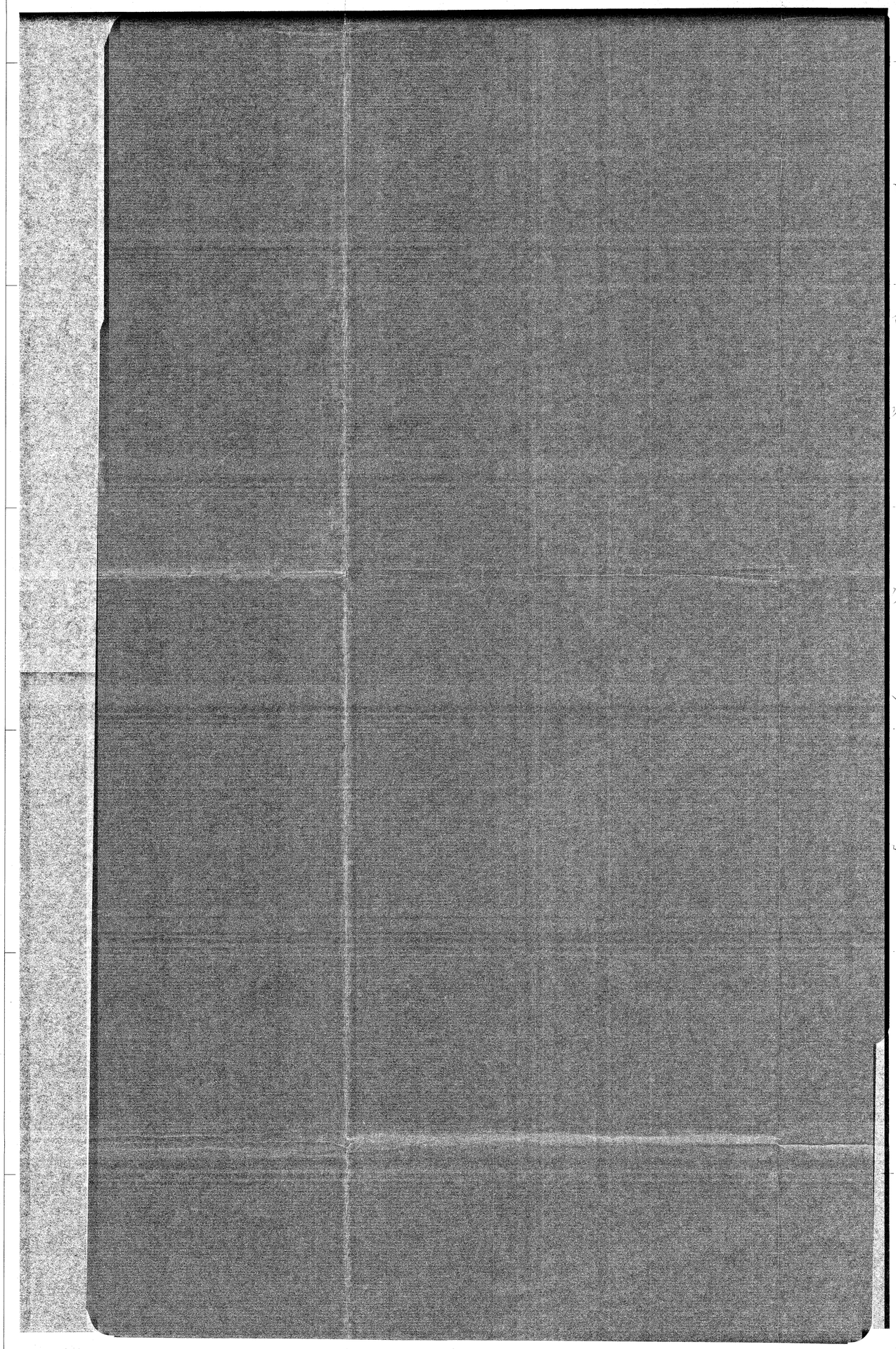
COMPILED	DMD/DJC	E.L. 13/88
DRAWN	GQ/DJC	MT. DUNDAS GRID
DATE	April 1991	FACTUAL GEOLOGY
CHECKED	DJC	AND
1:25,000 REFERENCE		SAMPLE LOCATION PLAN

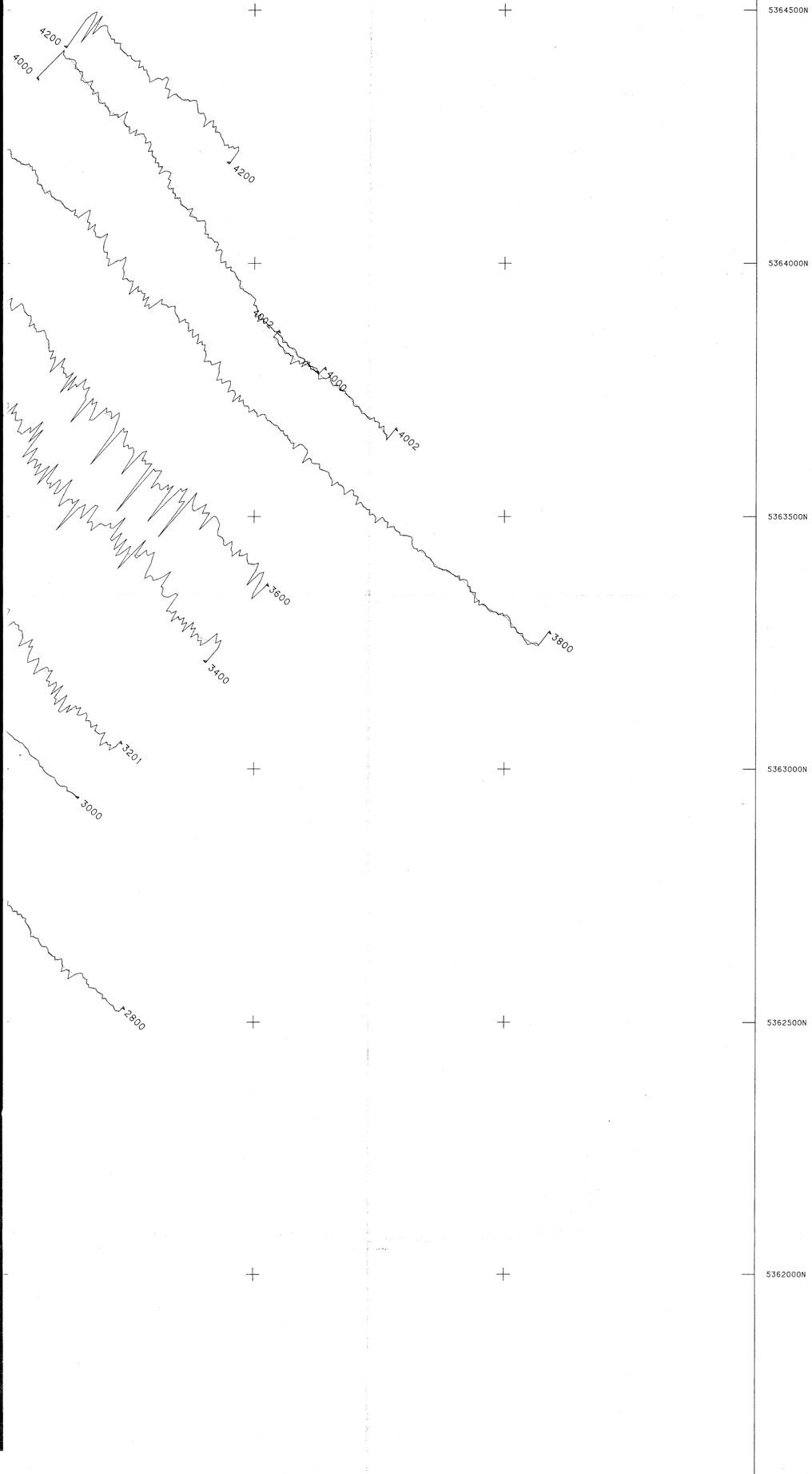
BASE PLAN No. 5524/037
OVERLAY PLAN No.
SCALE 1:5 000 (50 0 50 100 200m)
FIG.

PLAN 35

372000E 372500E 373000E 373500E 374000E 374500E 375000E 375500E

5365000N 5364500N 5364000N 5363500N 5363000N 5362500N 5362000N 5361500N





372000E 372500E 373000E 373500E 374000E 374500E 375000E 375500E

5365000N 5364500N 5364000N 5363500N 5363000N 5362500N 5362000N 5361500N

082369

92-3358.

5 cm

PROCESSING BY TESLA-10 PTY. LTD.
JOB No. TA1745

1990 SURVEY SPECIFICATIONS

SURVEYED BY	: RGC EXPLORATION PTY. LTD.
DATE	: 1990
MAGNETOMETER	: GEOMETRICS G856
RECORDING INTERVAL	: 10 METRES
LINE DIRECTION	: TRAVERSE LINES EAST-WEST : TIE LINE NORTH-SOUTH
LINE SPACING	: 200 METRES

PROCESSING SEQUENCE

DIURNAL VARIATIONS REMOVED
3-POINT MEDIAN FILTER
21 POINT BANDPASS FILTER (0.00-0.01)
DATA GRIDDED WITH MESH SIZE 10m x 10m
TRANSFORMATION FROM LOCAL GRID TO AMG

LEGEND

BASE VALUE 62400 nT
VERTICAL SCALE 25 nT/cm

RAW PROFILE ——
FILTERED PROFILE ——

N

0 100 200 300 400 500m

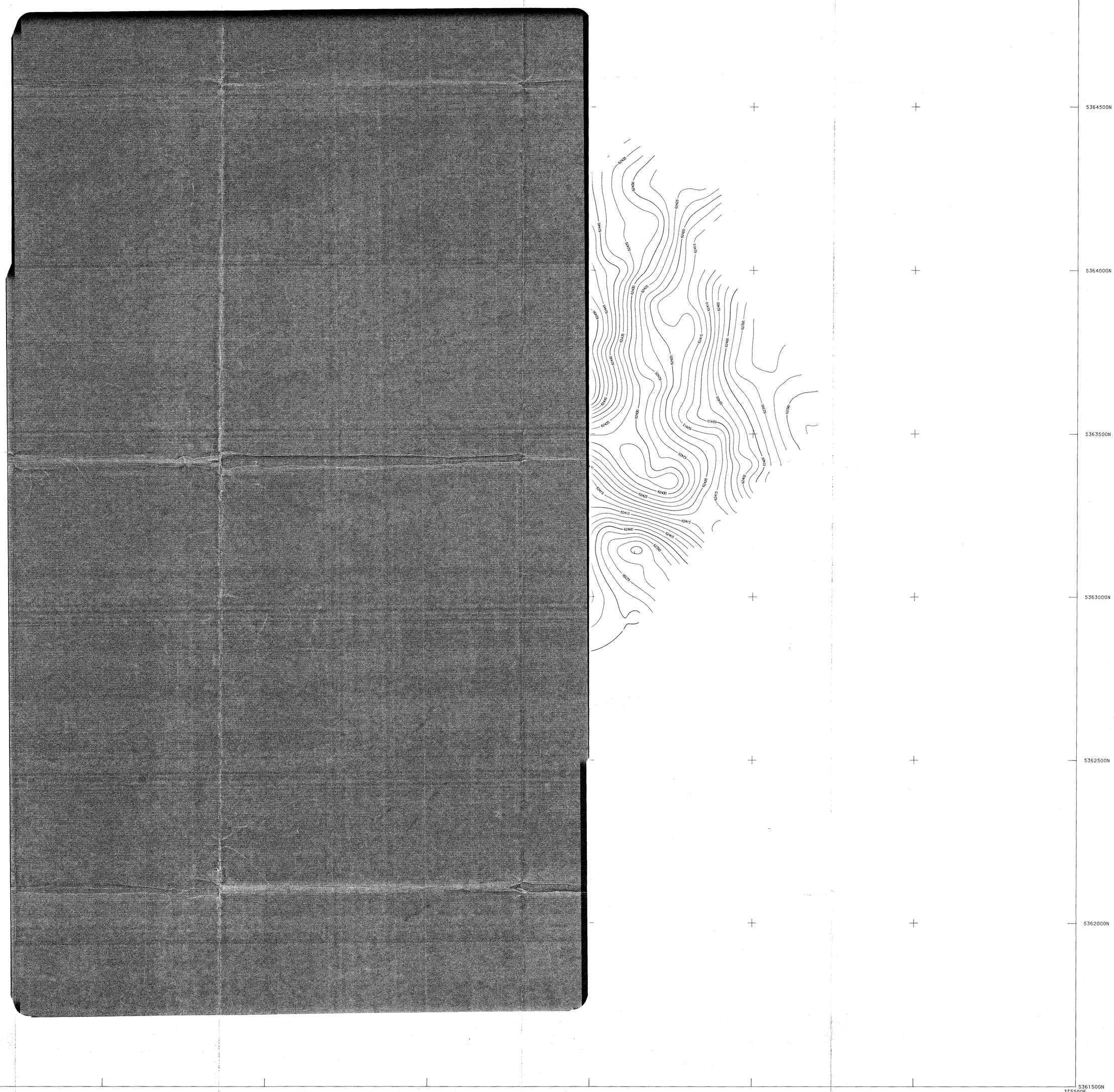
Scale 1:5000

RGC EXPLORATION PTY. LIMITED

MT. DUNDAS
GROUND MAGNETIC SURVEY
PROFILES OF MERGED TOTAL FIELD MAGNETIC INTENSITY

PLAN 36
5522/050

DATE : OCT 1990	DRAWN BY: TESLA-10
AUTHOR:	SCALE: 1:5000



1990 SURVEY SPECIFICATIONS

SURVEYED BY	: RGC EXPLORATION PTY. LTD.
DATE	: 1990
MAGNETOMETER	: GEOMETRICS G856
RECORDING INTERVAL	: 10 METRES
LINE DIRECTION	: TRAVERSE LINES EAST-WEST : TIE LINE NORTH-SOUTH
LINE SPACING	: 200 METRES

PROCESSING SEQUENCE

DIURNAL VARIATIONS REMOVED
3-POINT MEDIAN FILTER
21 POINT BANDPASS FILTER (0.00-0.01)
DATA GRIDDED WITH MESH SIZE 10m x 10m
TRANSFORMATION FROM LOCAL GRID TO AMG

LEGEND

Contour interval 2.5 nT

1000 nT Contour
100 nT Contour
10 nT Contour
2.5 nT Contour

N

0 100 200 300 400 500m

Scale 1:5000

082370

5 cm

92-3358.

PROCESSING BY TESLA-IO PTY. LTD.
JOB No. TA1745

RGC EXPLORATION PTY. LIMITED

MT. DUNDAS
GROUND MAGNETIC SURVEY
CONTOURS OF MERGED TOTAL FIELD MAGNETIC INTENSITY

PLAN 37
5522/051

DATE : OCT 1990	DRAWN BY: TESLA-IO
AUTHOR:	SCALE: 1:5000

RENISON M.L.

E.L. 101/87

E.L. 42/87

E.L. 13/88

PASMINCO M.L.

RING RIVER GRID

MONTEZUMA GRID

MT. DUNDAS GRID

MOUNT HAMILTON

MOUNT READ

Williamsford

Commonwealth Hill

Black Hill

Gardiner Hill

Kosminski Hill

Misery Hill

MT RAZORBACK

ZEEHAN

PARTING CREEK LAKE

Lake Johnston

Frazer Falls

Copper Knob

Tower

GRAND PRICE FAULT

KAPI FAULT

NORTHERN GREAT FAULT

BRICKFIELDS FAULT

ROSEBERY FAULT

MATHINNA FAULT

DUNDAS ROAD

ZEEHAN HIGHWAY

Abandoned

Tramway

Railway

Airfield

Creek

River

Falls

Spur

Ridge

Gauge

Adit

Shaft

Tunnel

Mine

Camp

Hut

Tower

Spring

Quarry

Clearing

Concert

Comet

Montezuma

Williamsford

Renison

Dundas

Zeehan

Melba Flats

Nevada

Henty

Little Henty

Linda

Razorback

Rosebery

Mt Dundas

Mt Read

Mt Hamilton

Pasminco

Ring River

Montezuma

Mt Razorback

Misery Hill

Black Hill

Gardiner Hill

Kosminski Hill

Commonwealth Hill

Parting Creek Lake

Lake Johnston

Frazer Falls

Copper Knob

Tower

375400 375500 375600 375700 375800 375900

366800

366700

5 cm

RGC EXPLORATION PTY LTD

EL 13/88 RING RIVER GRID
SAMPLE LOCATION PLAN

COMPILED BY: J.CROSSING & S.TRACEY

SCALE 1 : 1000

0 20 40 60 80 100 M

DATE: 24/7/91

RENISHAW GOLD FIELDS CONSOLIDATED

PLAN 38

082372

372500 373000 373500 374000 374500 375000 375500

366500 366000 365500 365000 364500 364000 363500 363000 362500 362000 361500

REFER TO PLAN 38

5 cm

082373

RGC EXPLORATION PTY.LTD

MT.DUNDAS GRID
SAMPLE LOCATION PLAN

COMPILED BY: J.CROSSING & S.TRACEY

SCALE 1: 5000

0 100 200 300 400 500 M

DATE: 18/ 5/92

PLAN 40

RENISON GOLD FIELDS CONSOLIDATED

92-3358.

-4000

-2000

-1500

-600

-1000

-2000

-4000

-6000

WILLIAMSFORD

HERCULES

-9000

MT
DUNDAS

-9000

365 000mE

370 000mE

375 000mE

380 000mE

5358 000mN

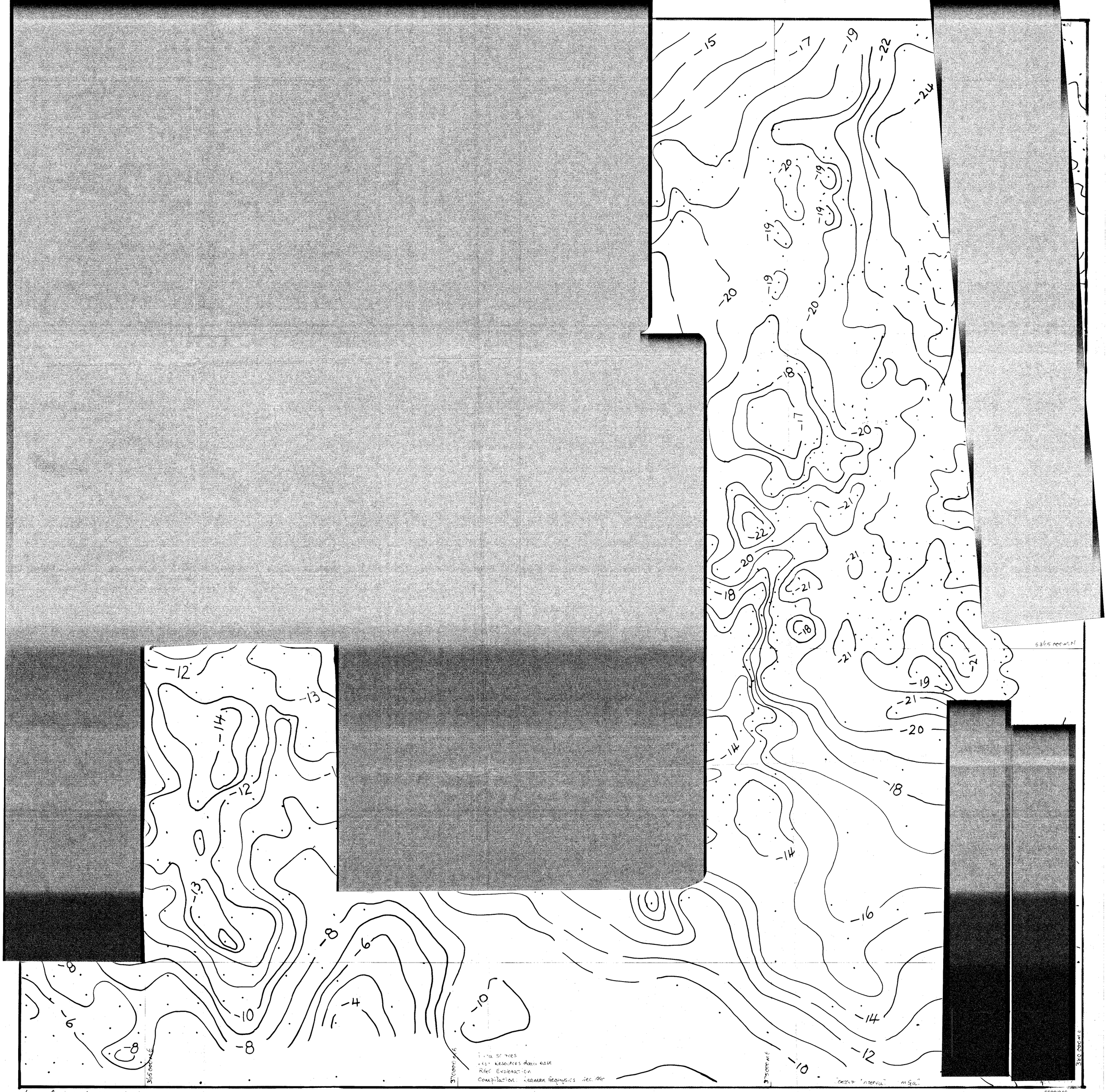
082374

Leaman Geophysics for RGC Exploration

5522/047

DUNDAS REGION GRAVITY SURVEY
INTERPRETATION
FORM OF PINE HILL GRANITE

PLAN 42



Leaman Geophysics for RGC Exploration

5522/046

DUNDAS REGION GRAVITY SURVEY

082375

BOUGUER ANOMALY

$\rho = 2.67$ gm/cc

PLAN 41

5 380 000mN
5 378 000mN
5 376 000mN
5 374 000mN
5 372 000mN
5 370 000mN
360 000mE
362 000mE
364 000mE
366 000mE
368 000mE
370 000mE
372 000mE
374 000mE
376 000mE
378 000mE
380 000mE

Wilson River
Ahern Creek
Berkery Creek
Serpentine Ridge
Merton Hill
Merton Road
Huskisson River
Kershaw Creek
Riley Creek
Trinder Creek
Riley Knob
Success Creek
Rapids
PIEMAN
PIEMAN RIVER
EMU BAY RAILWAY
Bobadil Plain
Ship Cr.
Bobadil Cr.
Chasm Creek
Karsons Knob
Primrose
ROSEBERY
Rosebery Creek
Barker Cr.
Josephine Creek
Colebrook Hill
Westcott Hill
Stillwater Cr.
Chambkrain Ck.
Coglaway
Eastern Dr.
Western Hills
Western Rivulet
Crimson Creek
Trial Creek
Dunkley Creek
ARGENT DAM
RENISON BELL
Dreadnought Hill
Argent River
Ring Creek
Colebrook Ck.
Hut
200
240
280
160
400
320
360

5 cm

GRID CONVERGENCE 1.0°
GN TN MN
GRID/MAGNETIC ANGLE 11.2°

TRUE NORTH, GRID NORTH AND MAGNETIC NORTH ARE SHOWN DIAGRAMMATICALLY FOR THE CENTRE OF THE MAP. MAGNETIC NORTH IS CORRECT FOR 1977 AND MOVES EASTERLY BY 0.1° IN ABOUT THREE YEARS.

SHEET INDEX

LIVINGSTONE 3438	PARSONS 3638	BLOCK 3838
STRINGER 3437	ROSEBERY 3637	TULLAH 3837
HEEMSKIRK 3436	DUNDAS 3636	SELINA 3836

GOLD FIELDS EXPLORATION PTY. LIMITED

082376

E.L. 101/87 & 13/88

AREAS TO BE RELINQUISHED

DRAWN BY :
DRAFTSMAN :
DATE
REVISIONS :
5522/066
FILE NO.

SCALE 1:25 000 500 0 500 1000 METRES

PLAN 43

RENISON M.L.

E.L. 101/87

E.L. 42/87

E.L. 13/88

RING RIVER GRID

MONTEZUMA GRID

MT. DUNDAS GRID

RASMINCO M.L.

MT DUNDAS

ZEEHAN

PARTING CREEK LAKE

Commonwealth Hill

Confidence Saddle

Black Hill

Carbine Hill

MT RAZORBACK

Kosminski Hill

Misery Hill

Dundas

Williamsford

MOUNT HAMILTON

MOUNT READ

Lake Johnston

Moores Pimple

Frazer Falls

Montezuma Falls

Huts

Airfield

Tramway

Dunleys

Henty River

Melba Flats

Melba Creek

Little Henty River

Abandoned

Gauge 36"

HIGHWAY

Kopi Creek

Northern Creek

Montezuma Cr.

Tramway Creek

Goddkin Ridge

Severn Creek

Falls Creek

Bonnie Cr.

Baker Creek

Copper Knob

Ring River

Aerial Tramway

Tramway Creek

Koonya Creek

Jones Creek

Concert Creek

Comet Creek

Climie Creek

Leslie Station Creek

McARTHISSON

DUNDAS ROAD

ZEEHAN HIGHWAY

Zeehan Bl. Creek

EMU BAY RAILWAY

Rayna Creek

White Spur

Dodson Creek

Bonnie Creek

RRD 001

RRD 002

MZ 001

MZ 002

MZ 003

MZ 004

MZ 005

5 cm

LEGEND

1989/90 GRID

1989/90 DRILL HOLES

HELIPADS

GRID MAGNETIC ANGLE 1½° (1988)

SHEET LAYOUT

STRINGER	ROSEBERY	TULLAH
HEEMSKIRK	DUNDAS	SELINA
TWISS	ZEEHAN	TYNDALL

RGC EXPLORATION PTY. LIMITED

082377

E.L. 101/87 & 13/88

AREAS TO BE RELINQUISHED

DRAWN BY	M.O.W.
DRAFTSMAN	
DATE	MAY 1990
REVISIONS	
	5522/067
FILE NO.	
PLAN	44

SCALE 1:25 000

500 0 500 1000 METRES