

E.L. 26/85 - NARRAWA

ANNUAL REPORT 1988/89

OPEN FILE

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1. INTRODUCTION

E.L. 26/85 covers an area of 11 sq. km. to the south of Cethana Road on the W side of Lake Cethana (Figure 1). Good access to the Narrawa Reward and Higgs old gold mining sector is via a dirt road which originates at the Cradle Mountain Road, while the central and S parts of the licence is accessible by the Dolcoath Hill Road. The Narrawa, Dolcoath and Bull Creeks traverse the licence from W to E, draining into Lake Cethana.

A new regional reconnaissance and sampling programme has been undertaken during the period, with the interpreted geology of the licence area presented in Plan 1. A better definition of the Cambrian volcanic/volcaniclastic rocks has been achieved in the central-southern sector of the licence, as well as an upgrading of the regional tectonic elements which are relevant to the area covered. The Ordovician sandstone (Moina Sandstone) and Conglomerate (Roland Conglomerate) overlay unconformably the Cambrian sequence towards the northern sector, and although Tertiary basalt and sediment ('greybilly') are common in the region, they cover only the S part of the licence.

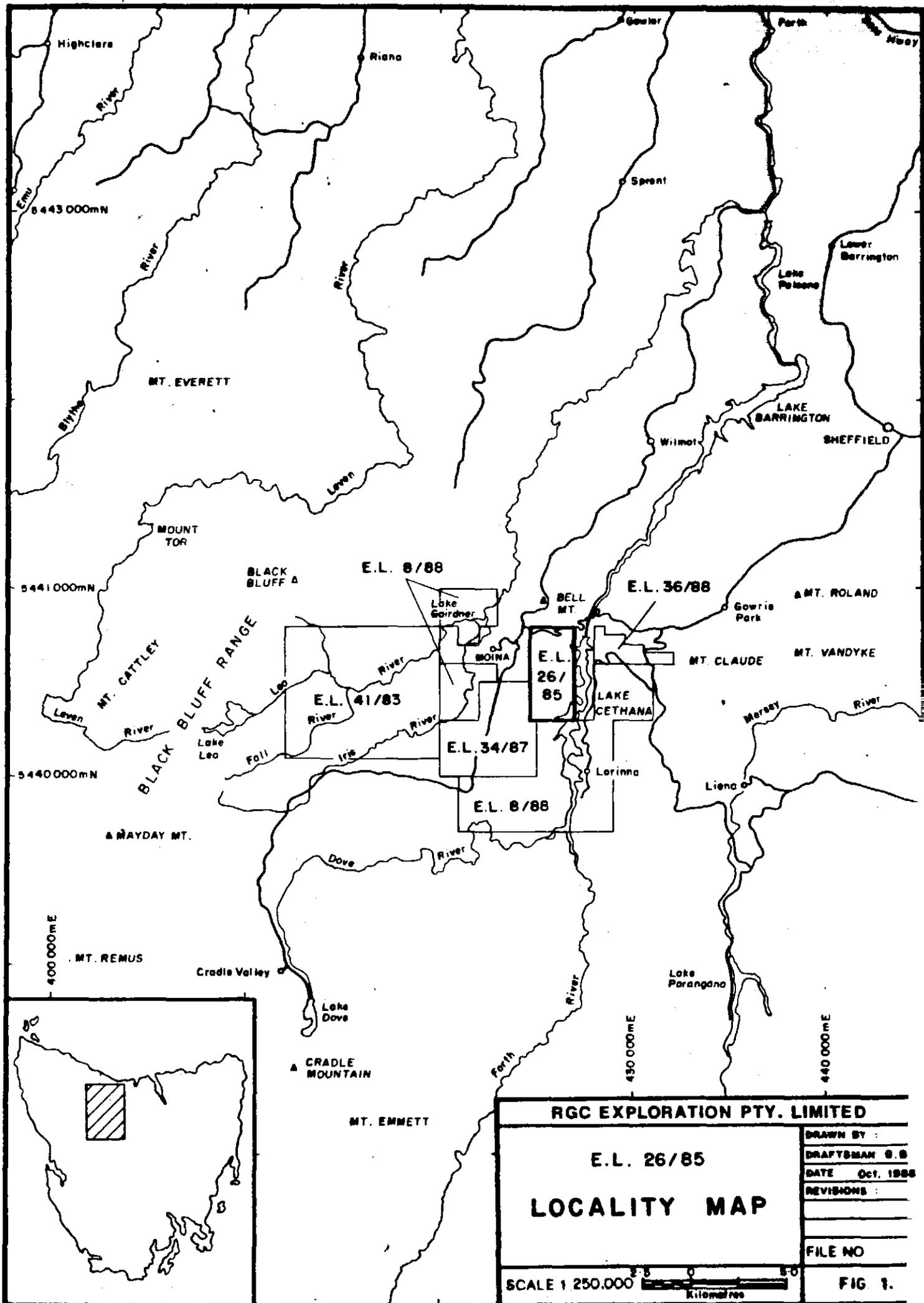
A number of old mines occur in the district, with most of the deposits spacially and genetically related to the Devonian intrusion of the Dolcoath Granite, around which a mutual zonation is postulated: W, Bi, Mo, deposits occurring within or at the margins of the granite Au and Sn mineralisation further away, and an outer zone of Ag Pb represented by the Round Mount deposits. The Dolcoath granite is thought to dip shallowly to the W, with cupola extensions generating and the skarn occurrences at Moina, Ti-Tree Creek and Stormont/Fletchers Adit.

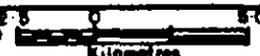
Mining commenced in the district around the 1880's. The first major report on mineral deposits in the Moina and Round Mount districts was written by Twelvetrees (1913). A second major report was written by Reid (1919). Collins in Jennings (1979) gives a brief summary of deposits in the area. Two old Au mines, Narrawa Reward and Higgs, occur within EL 26/85. The Narrawa Reward Mine was worked prior to 1913, with values of up to 6 g/t Au being reported in the sulphide ore. Mining at Higgs did not begin until 1934, and continued intermittently to 1947. A total of 28.35 kg of Au is estimated to have been recovered during this period.

The present licence area was previously part of EL 8/65. It was explored until 1973 by the Mt. Lyell Mining & Railway Co. Ltd. In March 1973 the area became part of EL 7/73 applied for by Ararco (Aust) Pty. Ltd., then Joint ventured in 1976 to CRA Exploration Pty. Limited, and then the title was transferred to them in 1977. During 1981/82 extensive exploration was carried out over the northern part of what now is EL 26/85. They focussed their exploration on locating Sn and base-metal mineralisation.

2.

RGC Exploration Pty. Limited (hereafter referred to as RGCE) is actively testing the Au potential of EL 26/85. RGCE (formerly Gold Fields Exploration Pty. Limited) commenced work on the EL in 1986. Compilation of the previous CRA data, plus reconnaissance rock sampling were outlined in the 1985/86 Annual Report (Roberts, 1986). The 1986/87 Annual Report (Roberts, 1987) details mapping and sampling of the Dolcoath Grid by RGCE. A review of CRA's geophysical data and results from three diamond drill holes were reported. The 1987/1988 Annual Report (Fleming, 1988) described further geological/geophysical compilation work, as well as the geochemical associations in DDHS ND1, ND2 and ND3.



RGC EXPLORATION PTY. LIMITED	
E.L. 26/85	
LOCALITY MAP	
SCALE 1:250,000 	
DRAWN BY :	DRAFTSMAN G.B.
DATE Oct. 1988	REVISIONS :
FILE NO	FIG. 1.

3.

2. LAND TENURE

EL 26/85 was granted to Mr. C.H. Whitehead on 20th November, 1985. An agreement on EL 26/85 was reached between C.H. Whitehead and Renison Limited (a wholly-owned subsidiary of Renison Goldfields Consolidated Limited) on 17th April 1986. RGC Exploration Pty. Limited (the exploration division of RGC) has carried out exploration on the licence since this date under the terms of the Agreement.

Two mining leases, 13M85 and 22M85, lie partially within EL 26/85. These have been excluded from the exploration area under the terms of the Agreement.

4.

3. EXPENDITURE

Expenditure by RGCE on EL 26/85 within the current renewal year to the end of November 1989 has been \$21,433. A breakdown of this amount is presented in Appendix 1.

4. WORK COMPLETED 1988/89

4.1 Regional Geophysical Appraisal

A comprehensive review of geophysical data was undertaken by Dr. David Leaman for RGC, over the Lorinna/Moina region, which comprehends the totality of EL 26/85. This work is particularly relevant to the areas of immediate influence of the Dolcoath Granite, in the case of EL 26/85 to its central-western part. The objective was to appraise the usefulness of previous regional gravity and magnetic surveys available for our own exploration efforts in the Moina region. More specifically, it aimed at identifying and defining the following: main regional structures, tectonic lineaments, their trends, correlations between magnetic/gravity signatures and lithology, 'roof' type of the Dolcoath granite and its associated altered zones, and finally estimation of the Tertiary basalt cover thickness and its underlying lithologies.

This large scope regional project was accomplished in four months, with five partial reports submitted to RGCE on a monthly basis, which are being studied for further work.

Leaman's study points to the structural control of the Dolcoath Granite's emplacement, the clear magnetic signatures observable in known deposits, and the relatively thin tertiary basalt cover of less than 50 metres. It is concluded that drilling is necessary to tie the geology and geophysics, and to provide control to the geophysical interpretations.

Summing up, it can be said that this regional study has been a worthy exercise, and that it clearly highlights the potential for further exploration within the area covered by EL 26/85 provided a more refined application of classical methods as gravity and magnetics is achieved, and also points to the fact that the two techniques are in this case essentially complementary.

4.2 Regional Mapping and Sampling

4.2.1 Mapping

A broad programme of regional scale mapping, in conjunction with stream sediment sampling over the same areas, was undertaken by RGC through contract with consultant Walter Herrmann between the end of March and mid June of this year.

The programme included a number of E.L.'s held by RGC in the Moina-Lorinna region and their surroundings, however, care was taken during the planning of this campaign to avoid duplicating work in areas where grids were established, and mapped in more detail. A 1:10,000 'factual geology' map was produced in 2 sheets covering about 100 km², and including EL 26/85 in its entirety. All rock outcrops were systematically examined as

encountered in search of locations for stream sediment sampling, therefore the mapping was subordinate to the sampling in general. The geological observations were recorded on segmented 1:10,000 monochrome air photo enlargements. Subsequently, all this factual data was compiled and replotted on two 1:25,000 scale 'interpreted geology' maps, with the Narrawa sector shown in Plan 1 of this report. Of the 26 rock chip samples collected during this regional reconnaissance, only 2 with geochemical analysis fall within the boundaries of EL 26/85 (Plan 2 of this report), the rest taken as study specimens.

4.2.2 Stream Sediment Sampling

The stream sediment sampling involved the collection of a panned concentrate, and also one minus 200 mesh fraction from 26 locations (Plan 3) within this E.L., which were analysed by the Neutron Activation technique. Most of the area was covered, as the sediment sampling was confined to medium-small scale streams which were not subject to unexpected high water flows. Where possible, the samples were taken immediately upstream of tributary confluences, otherwise at a nominal interval along the active stream.

The sampling procedure for the minus 200 mesh fraction was designed by Simon Gatehouse from RGC's Research Group in Canberra. It basically involves the wet screening of gravel size stream sediment to < 0.5mm, and the further agitation and washing of this fraction through a 200 mesh screen. The resulting muddy water was then flocculated and subject to filtering until the water was extracted, thus producing the minus 200 mesh sample. The fraction remaining between the 0.5mm and the 200 mesh was panned, and generated the pan concentrated sample for that locality. Both samples were later consigned to Becquerel Laboratories in NSW for Neutron Activation analysis after weighing and drying, avoiding any other intermediate steps and therefore aiming at minimizing contamination. Appendix 2 documents the assay results for the 31 elements analysed.

4.2.3 'Huminex' Soil Sampling

A field trip to this area was carried out with Drs. David Duncan and Bill Baker, of the Mines Department - Tasmania. The specific objective of the visit was to collect soil samples of the upper 'A' horizon. These samples were experimentally processed by the 'Huminex' technique of geochemical prospecting being developed in recent years by Dr. Baker at the Mines Department. Essentially, the approach aims at avoiding the high cost and logistic difficulties associated with 'C' horizon geochemical sampling, necessary in the intensely leached soils of Tasmania. The method consists of extracting the soil sample humic substances, then determining their metallic contents by atomic absorption spectrophotometry.

7.

A total of 13 samples were taken along the Narrawa Grid line 5810E between traverses 5040N to 5105N, that is one sample every 5m. The results obtained pointed to a close correlation between the 'Huminex' sample Au assays, and those values obtained from the original 'C' horizon soil sampling.

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RESULTS OF TEST HUMINEX SURVEY FOR GOLD
NARRAWA GRIDLINE 5810 E (R.G.C.)

Sample	Au (ppb)
40N	4.2
45N	0.8
50N	3.6
55N	11.7
60N	20.8
65N	10.3
70N	135.0
75N	3.4
80N	10.1
85N	2.3
90N	7.6
95N	1.7
100N	1.2
105N	1.3

5. WORK PROPOSED 1989/1990

The activities envisaged for the next twelve months will aim at a detailed assessment of the regional/local information obtained mainly through the geophysical and geological work. The aims are two-fold, one being the identification of drilling targets, and another the definition of boundaries of the sector to be relinquished, which amounts to 50% of the licence. In particular, it is proposed to:

- (i) Continue the assessment of the minus 200 mesh stream sediment sampling data, gathered regionally by W. Herrmann, the aim being to pinpoint anomalies and possible trends which will form the basis of follow-up studies.
- (ii) Detail, assess and carry out further geophysical interpretation of David Leaman's regional gravity magnetic work.
- (iii) Implement a follow-up programme which will consider:
 - (a) Detailed surface geology reconnaissance based on all geochemical anomalies delineated, with further mapping at an appropriate scale where considered necessary.
 - (b) Detailed surface rock chip sampling around the area relevant to significant anomalies, considering also the geophysical framework.
- (iv) Design and implement further gridding and soil geochemistry sampling programmes where justified by the above programmes.

6. REFERENCES

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Moina Region
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Review
- Report 2 - Gravity Data: Initial
Review
- Report 3 - Integration of Initial
Reviews
- Report 4 - Magnetic Data: Analysis
418-424000mE
- Report 5 - Gravity Data: Analysis
418-424000mE
- Herrmann, W., 1988: Notes on Reconnaissance Stream
Sediment Sampling and Geological
Mapping in the Moina-Lorinna Area,
NW Tasmania
Unpublished RGCE Report
- Roberts, R.H. (1986) EL 26/85 - Narrawa. Annual Report
- 1985/86.
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- 1986/87.
- Fleming, M.J. (1988) EL26/85 - Narrawa. Annual Report -
1987/88.

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APPENDIX 1

Expenditure

APPENDIX 1RGCE Expenditure from December 1988 to November, 1989

<u>Item</u>	<u>Cost</u>
Salaries, wages oncosts	5,059
Travel & Accommodation	1,224
Consultants & Contractors	2,352
Assays	1,184
Stores	420
Vehicle Plant & Equipment	876
Tenement Costs	5,310
Office Costs	2,910
	<hr/>
	T O T A L 19,335
Overheads	2,098
	<hr/>
	GRAND TOTAL 21,433
	<hr/>

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APPENDIX 2

Assay Results

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PROJECT: NORTHERN TASMANIAN NEUTRON ACTIVATION DRAINAGE SURVEYS

SAMPLE NUMBER	NORTH Metres	EAST Metres	WIND	SS PPM	AS PPM	SA PPM	SD PPM	SP PPM	SE %	SO PPM	SB PPM	SN PPM	
7 17133	403702	425433	-200#	2.0	3.0	451	233	118	3.13	-3	14.3	-3	-200
7 17134	403757	425411	-200#	2.0	4.2	887	-4	15	2.35	-3	10.2	-4	-168
7 17135	403901	425230	-200#	1.5	2.8	328	-8	46	2.85	-4	11.5	-3	-190
7 17136	403863	425209	-200#	1.8	5.0	564	15	18	4.21	-5	14.1	-3	-211
7 17137	404304	424952	-200#	1.6	2.5	382	201	45	3.06	-3	12.5	-3	-217
7 17138	405335	425347	-200#	0.7	3.5	117	287	13	3.85	-38	4.0	-3	-200
7 17139	405319	425015	-200#	0.8	2.9	359	112	43	1.10	-3	5.5	-3	-132
7 17141	405274	425581	-200#	0.5	2.5	521	12	40	2.04	-3	5.4	-3	-168
7 17144	405291	425319	-200#	1.1	3.5	480	9	40	4.17	-4	11.4	-3	-208
7 17145	405245	425340	-200#	1.0	1.9	337	15	47	2.45	-3	8.8	-3	-208
7 17146	405323	425445	-200#	-0.3	2.3	718	19	11	1.78	-3	10.7	-3	-248
7 17147	403674	425393	-200#	-0.3	1.4	494	-8	12	7.54	-3	21.7	-3	-227
7 17151	406952	426735	-200#	1.7	53.0	77	204	24	1.37	-3	3.1	-3	-88
7 17152	404795	426905	-200#	0.5	3.8	397	8	43	1.97	-3	8.5	-3	-153
7 17153	404031	425878	-200#	0.8	1.8	402	-3	35	2.82	-3	8.9	-4	-110
7 17154	403905	425560	-200#	1.3	1.8	377	7	213	2.51	-3	11.7	-3	-138
7 17155	403362	425504	-200#	0.9	1.9	521	7	108	2.39	-3	9.4	-3	-163
7 17156	403400	425895	-200#	0.9	1.1	360	-4	20	3.01	-3	15.0	-3	-142
7 17157	403385	425420	-200#	0.5	2.4	332	34	21	5.67	-4	19.3	-3	-200
7 17233	403702	425433	PC	2.5	15.3	375	-3	157	1.78	-3	11.4	-4	2939
7 17234	403757	425411	PC	3.1	21.9	411	-3	49	2.17	-3	11.4	-3	2443
7 17235	403901	425230	PC	2.0	4.2	475	-3	55	1.54	-3	9.3	-4	2304
7 17236	403863	425209	PC	4.2	115.8	581	-3	52	3.12	-3	11.5	-3	2555
7 17237	404304	424952	PC	2.9	-2.6	869	-15	86	1.62	-3	10.2	-3	8825
7 17238	405335	425347	PC	0.5	0.3	117	-3	3	0.17	-3	1.8	-4	-158
7 17239	405319	425015	PC	0.7	-1.2	437	-3	44	0.51	-3	5.7	-4	-227
7 17241	405274	425581	PC	1.0	0.9	351	-3	45	1.29	-3	7.2	-3	-145
7 17244	405291	425319	PC	1.3	1.9	323	-3	58	2.68	-3	8.2	-4	-202
7 17245	405245	425340	PC	1.1	1.8	243	-3	91	1.25	-3	5.9	-2	-81
7 17246	405323	425445	PC	1.2	-1.5	739	-3	7	1.78	-3	9.5	-3	1488
7 17247	403674	425393	PC	1.5	5.0	250	-4	7	11.72	-4	17.7	-3	-152
7 17251	406952	426735	PC	1.7	35.9	56	49	4	1.18	-3	3.2	-2	-140
7 17252	404795	426905	PC	1.5	4.0	43	-4	130	1.82	-3	9.0	-4	-200
7 17253	404031	425878	PC	3.4	4.0	291	418	172	10.73	-40	30.4	-3	-143
7 17254	403905	425560	PC	3.8	3.1	210	754	1099	7.94	-105	34.4	-3	-221

502018

Laboratory:	RECO									
Method:	INAA30									
Det. Limit:	0.100	0.100		5.000	1.000	0.050	10.000	0.100	5.000	

017 PROJECT: NORTHERN TASMANIAN NEUTRON ACTIVATION DRAINAGE SURVEYS

SAMPLE NUMBER	TNORTH metres	TEAST metres	KIND	SB ppm	AS ppm	BA ppm	AL ppm	HF ppm	FE %	MO ppm	SC ppm	AG ppm	SA ppm
T 17255	403962	428504	PC	2.6	1.8	373	-4	236	7.14	-44	19.9	-5	-130
T 17256	403400	425896	PC	1.6	6.8	890	-4	107	3.22	-8	18.9	-8	-232
T 17257	403335	425820	PC	2.5	10.6	472	-8	109	11.73	-5	18.7	-8	2055
T 17312	406869	425992	-200#	1.1	30.9	85	1745	39	1.25	13	3.7	-1	-110
T 17313	407137	426828	-200#	2.4	200.9	194	11	25	2.91	-1	7.2	-1	-130
T 17314	407793	425629	-200#	1.6	27.2	137	16	33	4.45	0	6.7	-2	-174
T 17315	406794	425355	-200#	1.5	37.4	28	221	20	1.38	-5	4.4	-1	129
T 17316	406629	425093	-200#	0.6	5.6	68	7	78	0.38	-8	2.7	-0	-89
T 17317	406669	425030	-200#	1.3	22.7	207	157	23	1.00	-6	6.2	-1	-190
T 17318	406691	424857	-200#	0.9	2.8	59	64	101	0.23	-8	3.5	-0	-79
T 17412	406869	425992	PC	1.5	6.8	108	2886	14	0.41	8	3.8	-1	497
T 17413	407137	426828	PC	1.8	44.9	29	-1	11	0.51	-1	2.0	-0	521
T 17414	407793	425629	PC	0.5	3.1	30	84	14	6.43	-1	1.3	-0	-122
T 17415	406794	425359	PC	0.3	4.5	-7	286	6	0.12	-0	0.9	-0	-81
T 17416	406629	425093	PC	0.4	1.8	-14	-2	36	0.10	-3	1.2	-0	200
T 17417	406669	425030	PC	0.6	4.4	107	124	7	0.20	6	2.0	-1	439
T 17418	406691	424857	PC	0.3	0.8	15	-0	16	0.04	1	1.0	-0	259

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Laboratory:	SECO										
Method:	INAA30										
Det. Limit:	0.100	0.100		5.000	1.000	0.050	10.000	0.100	5.000		

018

PROJECT: NORTHERN TASMANIAN NEUTRON ACTIVATION DRAINAGE SURVEYS

SAMPLE NUMBER	EASTING metres	NORTHING metres	KIND	Li ppm	Zn ppm	Zr ppm	Br ppm	Se ppm	Te ppm	Cr ppm	Cd ppm	Zn ppm	Fe ppm
T 17133	403702	425433	-200#	75.1	205	4728	59	85	8.4	110.2	13.7	1.4	-15.0
T 17134	403757	425411	-200#	2	190	4728	59	85	8.4	110.2	13.7	1.4	-11.0
T 17135	403801	425230	-200#	310	189	2285	78	71	5.3	99.1	13.7	1.0	-17.0
T 17136	403863	425209	-200#	9	279	502	139	62	7.3	113.1	13.9	0.7	-13.0
T 17137	404304	424982	-200#	381	152	2315	99	75	8.5	109.5	17.3	1.4	-18.0
T 17138	405335	425347	-200#	47	82	595	121	101	3.1	13.0	3.3	-0.4	-16.0
T 17139	405319	425016	-200#	77	55	1591	42	62	6.2	45.0	5.3	1.1	-10.0
T 17141	405274	425981	-200#	135	171	1598	62	62	8.3	63.2	7.8	0.9	-14.0
T 17144	405291	425319	-200#	119	169	1854	71	66	11.1	109.4	10.5	1.1	-15.0
T 17145	405248	425340	-200#	7	206	2160	59	56	7.4	72.1	10.0	1.0	-15.0
T 17146	405323	425446	-200#	251	178	547	147	105	9.4	52.8	14.0	3.2	-18.0
T 17147	403674	425393	-200#	-2	284	828	67	36	2.4	272.5	47.4	1.6	-17.0
T 17151	406952	425736	-200#	166	83	1069	13	39	1.7	30.3	1.8	0.5	-7.0
T 17152	404795	425905	-200#	20	188	1805	40	70	7.8	58.8	10.3	0.7	-11.0
T 17153	404031	425878	-200#	3	152	1758	54	36	4.7	61.5	9.3	0.5	-8.0
T 17154	403903	425560	-200#	5	184	8059	57	54	3.9	82.3	7.4	1.1	-12.0
T 17155	403982	425604	-200#	-1	222	4439	99	42	3.8	27.0	11.2	0.3	-12.0
T 17156	403400	425850	-200#	-1	202	762	50	77	9.9	114.8	12.2	1.3	-11.0
T 17157	403385	425820	-200#	97	221	1232	120	38	3.0	225.4	39.8	1.5	-15.0
T 17233	403702	425433	PC	2867	75	6689	-1	97	5.4	118.4	6.7	1.4	-17.0
T 17234	403757	425411	PC	16	152	2039	4	59	4.1	65.3	13.3	1.1	-10.0
T 17235	403801	425230	PC	2492	55	3453	1	72	3.9	85.5	3.4	0.9	-16.0
T 17236	403863	425209	PC	27	184	2072	12	46	3.4	113.2	66.0	1.1	-11.0
T 17237	404304	424982	PC	7636	101	5011	-2	113	3.5	141.4	3.5	1.3	-23.0
T 17238	405335	425347	PC	473	89	-312	9	192	2.3	9.0	-0.9	-0.4	-14.0
T 17239	405319	425016	PC	2908	145	2246	3	74	3.1	65.1	-0.7	0.5	-25.0
T 17241	405274	425981	PC	781	87	2023	3	46	3.7	53.4	2.8	0.7	-11.0
T 17244	405291	425319	PC	1349	50	3132	5	51	3.0	115.0	3.0	1.0	-16.0
T 17245	405248	425340	PC	10	78	3595	3	32	2.5	45.0	3.9	0.7	-8.0
T 17246	405323	425446	PC	3680	139	741	18	64	0.5	53.5	6.0	0.9	-30.0
T 17247	403674	425393	PC	20	201	-427	5	37	1.7	399.8	103.4	1.2	-11.0
T 17251	406952	425736	PC	526	73	-235	3	33	1.7	44.8	1.3	0.4	-9.0
T 17252	404795	425905	PC	86	172	5100	1	159	2.0	78.8	3.1	0.8	-11.0
T 17253	404031	425878	PC	41	320	6011	5	40	4.5	304.9	19.8	0.9	-12.0
T 17254	403903	425560	PC	57	243	26816	-1	151	3.0	300.1	12.9	2.0	-24.0

502020

Laboratory:	BECO									
Method :	INAA30									
Det. Limit:	2.000			1.000	1.000	0.100	0.100	0.100	0.100	0.100

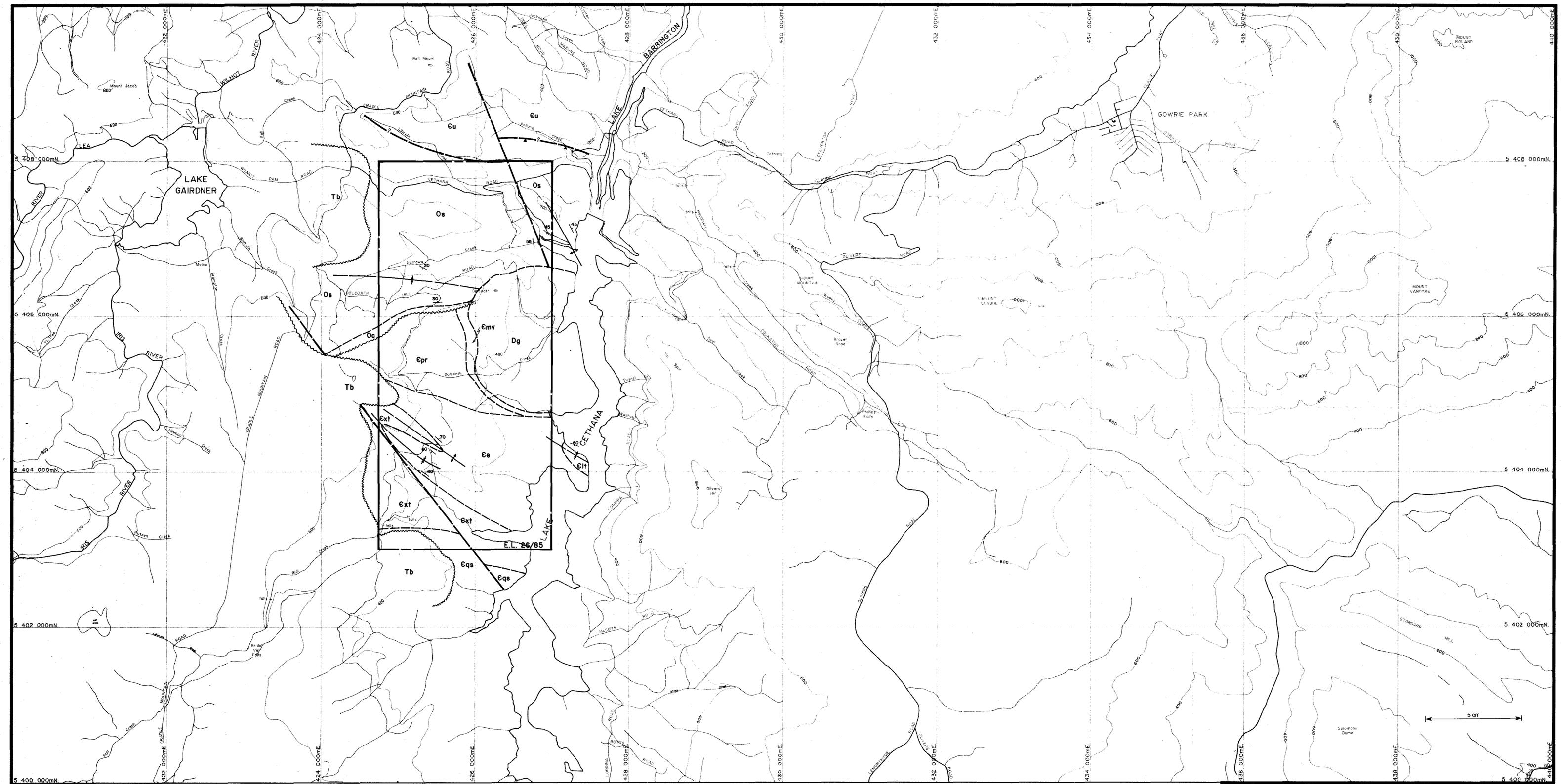
020

PROJECT: NORTHERN TASMANIAN NEUTRON ACTIVATION DRAINAGE SURVEYS

SAMPLE NUMBER	NORTH metres	EAST metres	KIND	LA ppm	LU ppm	RS ppm	SM ppm	SE ppm	TA ppm	TH ppm	U ppm	VB ppm
T 17133	403702	425433	-200*	45.6	1.9	135.0	8.1	-8.5	1.6	18.3	5.9	7.3
T 17134	403757	425411	-200*	44.0	0.6	84.0	7.2	-3.6	2.0	15.1	2.8	2.9
T 17135	403901	425230	-200*	40.6	0.9	116.0	7.2	-5.7	1.9	14.2	4.5	4.1
T 17135	403853	425209	-200*	29.4	0.3	40.0	3.4	-5.1	2.0	11.5	2.6	2.5
T 17137	404304	424962	-200*	46.2	1.0	132.0	7.5	-9.0	1.3	14.8	5.3	4.5
T 17138	405336	425347	-200*	51.4	2.0	52.0	14.6	-5.0	3.9	26.8	22.4	11.1
T 17139	405319	425015	-200*	35.5	1.4	116.0	6.7	-3.6	3.0	12.6	6.5	7.0
T 17141	405274	425981	-200*	41.1	0.8	113.0	7.2	-4.9	2.1	12.6	3.5	4.0
T 17144	405291	425319	-200*	37.9	0.8	117.0	6.6	-4.4	2.7	18.4	4.3	3.8
T 17145	405245	425340	-200*	30.6	0.8	61.0	6.3	-5.2	1.7	13.1	-1.8	3.8
T 17145	405323	425445	-200*	102.6	1.1	73.0	19.7	-9.3	2.0	19.2	2.2	3.3
T 17147	403674	425393	-200*	21.3	0.4	61.0	3.1	-5.0	2.0	6.5	-1.8	2.1
T 17151	406952	426735	-200*	19.3	0.7	45.0	4.1	-2.7	1.1	6.3	2.1	3.0
T 17152	404798	426905	-200*	40.9	1.3	140.0	7.6	-4.1	2.4	17.3	6.0	6.0
T 17153	404031	426876	-200*	19.1	0.5	51.0	3.5	-2.8	1.2	6.9	2.0	2.4
T 17154	403905	426560	-200*	29.7	2.2	31.0	5.0	-4.9	2.9	16.9	11.3	9.2
T 17155	403952	426804	-200*	22.9	1.1	42.0	4.1	-4.4	1.9	14.2	6.2	4.9
T 17156	403400	426896	-200*	32.3	0.6	146.0	6.3	-3.7	1.3	17.7	5.4	2.8
T 17157	403385	426029	-200*	21.4	0.3	25.0	3.2	-4.7	2.3	5.2	1.9	2.6
T 17233	403702	425433	PC	49.0	2.4	117.0	8.3	-5.9	2.3	16.6	12.1	10.6
T 17234	403757	425411	PC	37.9	0.9	88.0	6.6	-3.8	2.0	11.7	6.1	3.7
T 17235	403901	425230	PC	37.6	1.4	141.0	6.6	-4.9	2.0	11.7	7.2	6.2
T 17236	403853	425209	PC	27.6	0.3	61.0	3.3	-3.7	3.2	12.9	6.5	3.9
T 17237	404304	424962	PC	57.1	1.8	65.0	8.8	-5.5	2.9	16.1	10.3	6.8
T 17238	405336	425347	PC	100.5	1.2	250.0	20.2	-3.2	4.4	52.9	7.4	3.9
T 17239	405319	425015	PC	34.4	2.2	94.0	7.5	-8.2	3.3	11.7	-2.0	3.5
T 17241	405274	425981	PC	26.3	0.9	111.0	4.6	-3.9	2.0	10.2	5.5	3.7
T 17244	405291	425319	PC	25.5	1.3	84.0	4.8	-5.4	2.2	11.3	7.3	5.0
T 17245	405245	425340	PC	21.6	1.0	50.0	3.1	-2.5	2.2	12.3	6.9	4.5
T 17246	405323	425445	PC	33.5	1.3	160.0	6.4	-5.4	2.6	9.5	-2.6	3.9
T 17247	403674	425393	PC	21.1	0.4	39.0	4.9	-3.8	3.9	6.6	2.1	2.2
T 17251	406952	426735	PC	17.0	0.4	42.0	3.4	-3.1	1.4	5.8	1.8	1.6
T 17252	404798	426905	PC	84.8	2.5	74.0	14.3	-4.5	4.7	41.1	10.0	11.4
T 17253	404031	426876	PC	23.6	1.9	74.0	4.6	-5.3	18.1	26.7	22.0	7.5
T 17254	403905	426560	PC	76.5	10.7	50.0	10.9	-5.4	21.5	64.8	52.7	40.9

Laboratory:	RECO								
Method :	INAA30								
Det. Limit:	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100

502022



LITHOLOGICAL REFERENCE

Tertiary **Tb** Basaltic extrusives and Breccia
 Late Devonian **Dg** Bistite granite, local leucogranite adamellite phases ("Dolcoath granite")

Late cambrian to early ordovician (= Denison group) **Os** Orthoquartzite and sandstone locally bioturbated minor siliceous siltstone
Oc Pebbly-cobbly siliciclastic conglomerate
 Cambrian ? **Eu** Undifferentiated (unmapped) felsic volcanics
 Cambrian **Eqs** Quartz + sericite schist, intensely cleaved foliated quartz phyrlic felsic volcanic. Mainly derived from Ext ?

Eu Fine medium grained felsic epiclastic wacke and medium to coarse grained felsic lithic wacke and breccia
Ext Quartz ± feldspar phyrlic felsic vitric crystal tuft and ignimbrite
Elt Quartz ± feldspar phyrlic pumiceous lithic tuffs and breccia
Epr Quartz + feldspar porphyritic phyllic extrusive
 = Tyndall group of the Mt. Read volcanics
 (No stratigraphic order implied)

Eqr Fine grained glassy quartz porphyritic phyllic extrusive and breccia
Erv Felsic metavolcanics partly greisenised adjacent to Dg

- Geological boundary
- Trace unconformity
- Fault, inferred
- Thrust fault inferred, teeth on downthrown block
- Trend of bedding
- Fold axis with indication of plunge

INDEX TO ADJOINING SHEETS

LOONGANA	WILMOT	SHEFFIELD
LAKE LEA	CETHANA	800
PENCIL PINE	LIENA	MOLE CREEK

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

COMPILED	M.F.
DRAWN	M.O.W.
DATE	DEC 1989
CHECKED	
1:25,000 REFERENCE	CETHANA

502024 CETHANA
 INTERPRETED GEOLOGY
 E.L.26/85
 (MAPPING BY W.HERMANN)

BASE PLAN No. OVERLAY PLAN No. SCALE 1:25000 METRES FIG. 1

9145



0021	00.5
5	15
100	40
830	20

0073	10.5
5	15
20	110
15	30
30	8

As	Ag
As	Pb
Bi	Cu
Zn	Sn
W	Mo

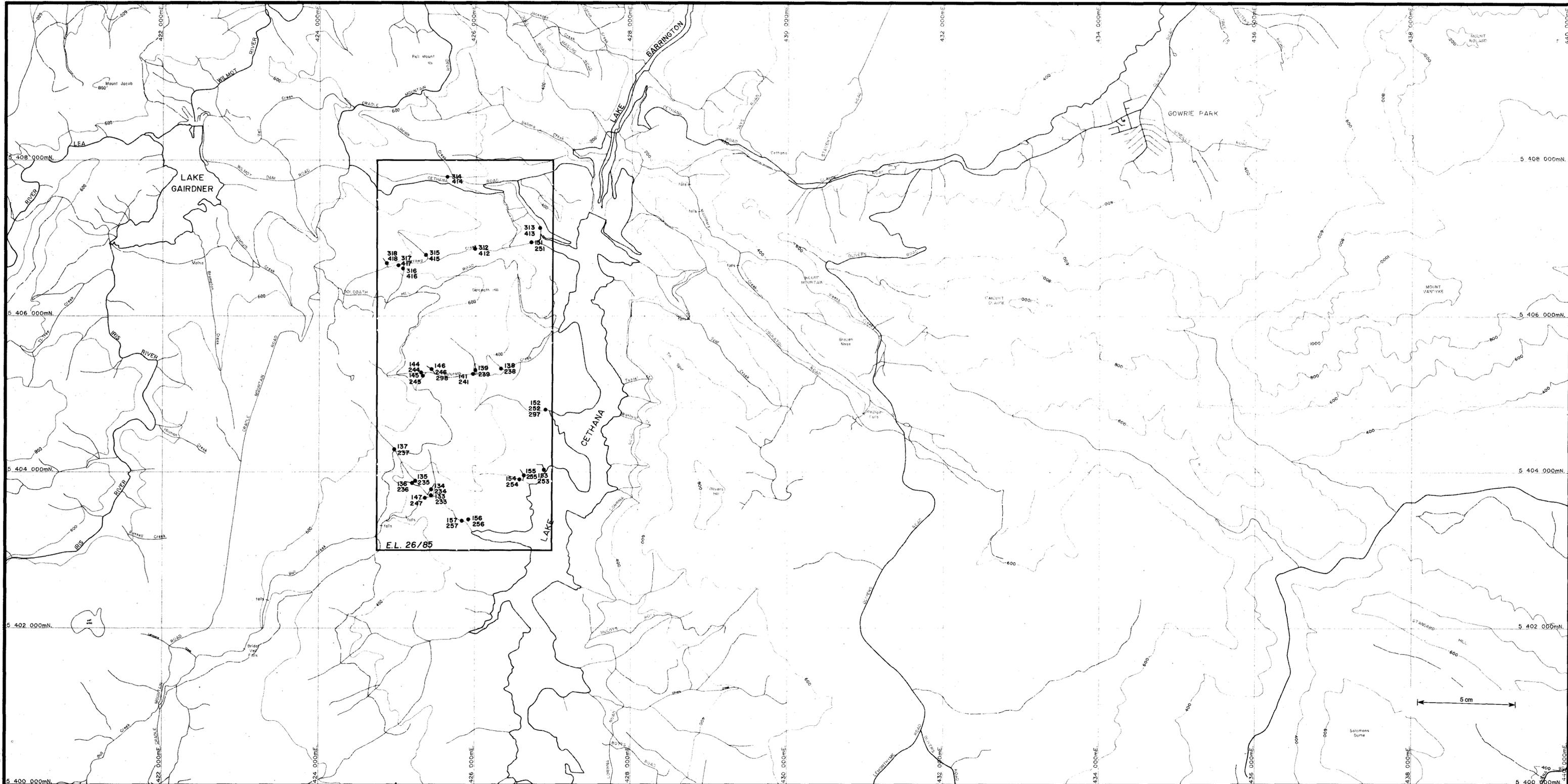
T17005 → Rock chip geochemical sample location & number
 MRL → Rock specimen sample location & number



90-3111

RGC EXPLORATION PTY. LIMITED

COMPILED:	W.H.	MOINA SHEET ROCK CHIP SAMPLE LOCATIONS ASSAYS EL. 26/85
DRAWN:	M.C.W.	
DATE:	DEC. 1989	
CHECKED:		
REFERENCE:	WILMONT	
BASE PLAN NO.	OVERLAY PLAN NO.	100 0 100 200 300 SCALE: 1:10,000



NOTE: All sample numbers have prefix: T17. ie. ● 302 means ● T17302
 ● 402 means ● T17402

CODE: Sample No.s T17101-193 and T17301-369 are -200 samples
 Sample No.s T17201-293 and T17401-469 are Panned Concentrates
 Sample No.s T17294-300 are "oversize sand" (0.5/+1.0mm)

Even 20's (ie: T17120,140,160,180,320) were reserved for STANDARDS.

INDEX TO ADJOINING SHEETS

LOONGANA	WILMOT	SHEFFIELD
LAKE LEA	CETHANA	000
PENCIL PINE	LIENA	MOLE CREEK

RGC EXPLORATION PTY. LIMITED (INC. IN N.S.W.)		
COMPILED	M.F.	CETHANA STREAM SEDIMENT SAMPLE LOCATIONS E.L.26/85
DRAWN	M.O.W.	
DATE	DEC. 1989	
CHECKED		
1:25,000 REFERENCE	CETHANA	
BASE PLAN No.		
OVERLAY PLAN No.	FIG. 3	