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See folio 16

TASMANIAN BASE METALS PROJECT

EL 14/93

BASIN LAKE

MICROFILMED
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Vol 1 of 2

Text and Appendices

HELD BY: RENISON LIMITED

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3 January, 1997

PROSPECTS: Basin Lake, Tyndall Creek

MAP SHEETS:	**1:250,000: Tyndall** **Germanston**	**1:100,000: Sophia** **Franklin**
GEOGRAPHIC COORDS	**Min East: 380 000mE** **Min North: 5349 000mN**	**Max East: 382 000mE** **Max North: 5357 000mN**

COMMODITY(s): Zn, Pb, Cu, Au, Ag

KEY WORDS: Basin Lake, Exhalitive Massive Sulphide Deposits, Tyndall Group, Central Volcanic Sequence, Anthony Road Andesite

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ANNUAL REPORT 1996 - BASIN LAKE
EL 14/93 - RGC - M VICARY
VOLUME 1 OF 2

SUMMARY

EL 14/93 - Basin Lake is located approximately 8 km south of the Henty Mine. The target at Basin Lake is a volcanic hosted massive sulphide deposit developed at the contact between the Anthony Road Andesite and the Tyndall Group, a sequence of interbedded rhyolitic - dacitic volcaniclastic sediments and lavas. This contact is a proven exhalite horizon and hosts mineralisation at Henty, Howards Anomaly and Comstock.

Reevaluation of the geology in the south of the EL, has shown that there is a stratigraphically lower exhalite horizon developed at the contact between the Anthony Road Andesite and the underlying Central Volcanics Sequence. An extensive sericite - pyrite alteration zone forms the footwall to exhalite horizon. It has been intersected in three drill hole TYN011, TYN015 and BL001 and has a strike lenghth of about 1 kilometer and a true thickness of between 75 and 135m. Massive carbonate horizons thicken away from areas of the most intense footwall alteration.

The EL is covered by extensive glacial deposits (up to 40m thick) and the geological interpretation is based on the results of subglacial diamond drilling, limited geological mapping and a Helimag survey.

The aim of the exploration program at Basin Lake is to test known exhalite horizons close to mineralising structures. Diamond drill core logging and geological mapping has been used to establish a detailed stratigraphy across each exhalite horizon. Rapid along strike changes in lithology, facies and unit thickness are considered to represent the influences of synvolcanic faulting (growth faults) and the location of such faults is of primary importance as they are the potential pathways for mineralising fluids. The Great Lyell Fault which longitudinally bisects the EL was an active structure during Cambrian volcanism and several diamond drill holes have targeted the intersection of the exhalite horizon with the fault. The Helimag data suggests the presence of a series of E - W cross faults in the EL. Many of these faults have the potential to be mineralising structures.

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1. INTRODUCTION

EL 14/93 - Basin Lake is held by Renison Limited and is explored by RGC Exploration, both wholly owned subsidiaries of RGC Limited. The licence is located in western Tasmania approximately 12 km north of Queenstown, and is situated on the flank of the Tyndall Range (fig. 1). It was granted on January 14, 1994 and initially had an area of 8 sq km. In January 1995 a further 3 sq km was incorporated into the EL making its present area 11 sq km.

The major access to the EL is via the Anthony Road, approximately 12 km east of the junction with the Zeehan Highway. Access within the EL is provided by a vehicular track which follows a HEC powerline close to the western edge of the EL.

The vegetation consists predominantly of buttongrass plains and light tea tree scrub with some patches of medium eucalypt forest. The area has been extensively glaciated and except for a block of about 0.5 sq km in the north of the EL, the EL is covered by glacial moraine and outwash.

The area was acquired for its potential to host Rosebery style Cu-Pb-Zn-Ag and Henty style Au mineralisation.

2. TENURE

The EL comprises: Crown Land (Deferred Forest Land)
Crown Land
Land Vested in HEC.

The area is partly within the South West Tasmania Australian Heritage Act - Registered Entry (South West Conservation Area).

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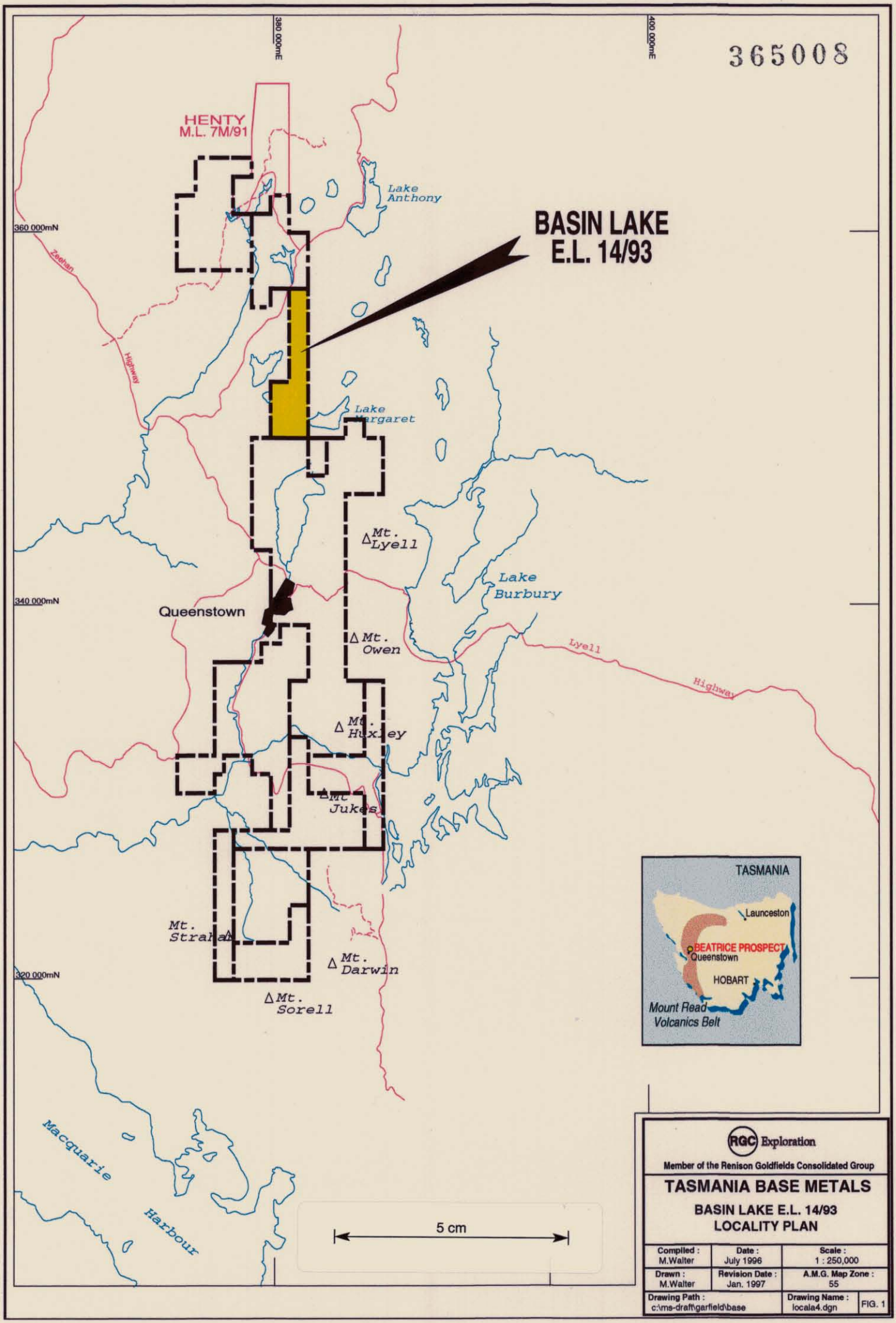


RGC Exploration

Member of the Renison Goldfields Consolidated Group

TASMANIA BASE METALS

BASIN LAKE E.L. 14/93
LOCALITY PLAN

Compiled : M.Walter	Date : July 1996	Scale : 1 : 250,000
Drawn : M.Walter	Revision Date : Jan. 1997	A.M.G. Map Zone : 55
Drawing Path : c:\ms-draft\garfield\base	Drawing Name : locala4.dgn	FIG. 1

3. PREVIOUS EXPLORATION - (Modified from *Donaldson, 1993*)

Exploration prior to 1983 is discussed comprehensively by Fitzgerald in Purvis et al 1983 and is presented below.

The first detailed exploration of Basin Lake was carried out by Pickands Mather between 1965 and 1971. Following an initial reconnaissance, they gridded the Mt Read Volcanics-Owen Conglomerate contact for some eleven miles north of the Mt Lyell Mine Lease and surveyed this using a dipole-dipole IP array. The strongest anomaly was located north east of Basin Lake over an area covered by glacial moraine. Two vertical holes (BL801 and BL802) were drilled to test this anomaly, the second being abandoned before reaching target. Pickands Mather ran a Turam EM survey over this zone following the inconclusive drilling, and delineated a linear anomaly just west of the IP anomaly. The response was attributed to pyritic black shales intersected in the upper part of BL801. They carried out no further work here, partly it appears because of serious drilling problems in penetrating the thick glacial over-burden.

The northern part of the Basin Lake area was covered by dipole-dipole IP surveys in 1967-68 over the East Tyndall grid, within Mt Lyell's E.L. 9/66. Two anomalous zones were outlined and two drill targets were identified. These anomalies were resurveyed by gradient array IP in 1973-74 which reaffirmed the drill target in the north western zone. In-fill grids were cut and resurveyed by gradient array IP in the following year which detailed the north west zone into five anomalies. One of these was tested by hole TYN002 drilled in 1975, but subsequent reinterpretation indicates that the anomaly has not been explained. Costeaning and a second drill hole, were recommended to test other anomalies within this zone but the program was not carried out because of budget restrictions at the time.

The rest of the Basin Lake area was pegged by Mt Lyell in 1971 as part of E.L. 41/71 but gridding and detailed exploration did not commence until 1974. The grid was initially mapped and surveyed by gradient array IP and magnetics. Primary anomalies were followed-up by soil geochemistry and infill IP surveys, and two holes (BL001 and 002) were completed in 1978 in the vicinity of the Pickands Mather drillholes. The holes intersected minor base metal mineralisation in a felsic tuffaceous sequence.

Following the results of testing at Howard's Anomaly to the north, the area was further evaluated for possible extensions to the zone. Additional dipole-dipole IP, magnetic and soil geochemistry surveys were carried out and two holes (BL003 and 004) were drilled in 1981.

The most significant result to date at Basin Lake was the discovery in BL004 of a strongly altered and pyritic sequence of epiclastics enclosing a lens of massive pyrite up to 2.5m thick. However, base metal values were low. Additional dipole-dipole IP and Genie EM surveys were carried out in 1982, along with reassaying of drill core

and sulphidic outcrops for gold. Work completed after the writing of the summary above includes the drilling of two diamond drill holes and a geophysical review. BL005 was drilled in 1984 to test the southern extension of the massive pyrite and an IP anomaly, results were negative. The other drill hole was drilled by the Mines department in 1984 at the Leech Hill sericite-pyrite alteration zone and intersected minor base metal sulphide in altered andesitic volcanics (Fitzgerald and Pease, 1985).

During the 1985 to 1986 season some mapping was undertaken as well as UTEM and SIROTEM geophysical surveys. These surveys along with previous geophysical data outlined three anomalies that required follow-up work. Results for the Bradshaws Road and Leech Hill pyrite zone were discouraging (Fitzgerald and Cartwright, 1986).

In the following season, 1986/87, minor mapping, drilling and downhole EM surveys were undertaken. Drill holes TYN004 and TYN005 did not intersect any significant mineralisation and downhole EM surveys of TYN004, TYN005 and BL004 indicated that no new significant conductors were present. It was concluded that, although the Basin Lake area had been extensively covered by geophysical surveys and that the diamond drilling was quite widely spaced, it was difficult to identify any further targets for further investigation (Fitzgerald, 1987). The lease covering the Basin Lake area was relinquished in 1987.

The ground within EL 14/93 was held by an Aberfoyle - Billiton Joint Venture as EL 103/87 from 1987 until it was relinquished in April 1993. Work done included limited geological mapping, a limited ground magnetics and CSAMT survey on lines 349000N - 353000N, a gravity survey on line 350200N, and a six loop 59 line km UTEM survey (Richardson, 1993). Diamond drill hole BLD 89-3 was drilled to test a CSAMT anomaly adjacent to the Great Lyell Fault. The hole was collared in a sequence of rhyolitic to dacitic lavas and volcaniclastics (Tyndall Group) and intersected the Great Lyell Fault at 358.6m. A base metal poor alteration zone with disseminated pyrite was intersected from 130 to 230m and was considered to be the source of the CSAMT anomaly. The downhole EM survey of BLD 89-3 by Billiton indicated the presence of an off hole conductor centred around 210m. The hole was later resurveyed by Aberfoyle and the anomaly confirmed. However revaluation of the data suggested that it may be due to a surface conductor tested by drillhole BL002 and no further work was recommended.

In the period January 1994 - January 1995, the first year of tenure, the work completed by RGC Exploration in EL 14/93 - Basin Lake (see Vicary, 1994) includes the following:-

1) Geological Mapping at 1:5000 and 1:1000 scale,
2) Relogging of old drillholes (BL802, BL001-005, TYN001, TYN003-005 and BLD89-3),
3) Drilling of 3 diamond drill holes (TYN006, 007 and 008),

4) Down hole EM survey of TYN006 and 007,
5) 13 lines of Ground Magnetics, and
6) 50 rock chip samples from TYN006, 007 and 008 were analysed.

In the period January 1995 - January 1996 the work completed in EL 14/93 - Basin Lake includes the following (See Vicary 1995):-

1) Drilling of 4 diamond drill holes (TYN009, 010, 011 and 012),
2) A Self Potential Survey near BL001,
3) A Helimag Survey,
4) Down hole EM surveys of holes TYN008 to TYN012, and
5) 315 split core samples from various drill holes were analysed.

4. WORK COMPLETED

In the period January 1996 - January 1997 the work completed in EL 14/93 - Basin Lake includes the following:-

1) Drilling of 3 diamond drill holes (TYN013, 014, and 015),
2) Relogging of BLD89-3, BL001 and BL002,
3) Reprocessing of Helimag data,
4) 8 carbonate samples assayed for oxygen and carbon isotopes,
5) 7 carbonate samples analysed by ICP/NAA analysis,
5) 407 split core samples from various drill holes were analysed.

5. RESULTS

5.1 DIAMOND DRILLING

Three diamond drill hole were drilled at Basin Lake in 1996. The table below summarises the results. Drill logs are included in Appendices 2 to 5 and Appendix 1 lists the codes and symbols used in the drill logs.

HOLE	NORTHING	EASTING	AZIMUTH	INCLINATION	COMMENTS
TYN013	5354389	381018	090	-77	Extensive carbonate veining and massive carbonate intersected in Target Horizon from 399.7 - 442.5 m.
TYN014	5353603	380999	090	-87	Target Horizon intersected at 615.2 m. Only 0.5m wide carbonate horizon present.
TYN015	5352922	380841	090	-65	Thick Target Horizon Sequence intersected from 339 to 588m. Intensive pyrite - sericite alteration present.

5.1.1 TYN013

Diamond drill hole TYN013 (see Plan 1) was designed to test an exhalite horizon developed at the contact between the Anthony Road Andesite and the underlying Central Volcanics Sequence. The hole was collared 150m to the south of a subeast-west cross fault, a potential mineralising structure, and 400m north along strike of BL003 where weakly developed distal carbonates were intersected at the target horizon.

A brief summary log is:-

0	to	81.5	Glacials
81.5	to	362.3	Anthony Road Andesite
362.3	to	511.5	Central Volcanic Sequence

The stratigraphy of the Central Volcanic Sequence is quite complex and a more detailed log is given below:-

362.3	to	384.2	Dacitic volcaniclastic sandstone with minor carbonate
384.2	to	399.7	Crystal rich feldspar phyric dacite intrusive
399.7	to	442.5	Interbedded massive carbonate, carbonate breccias, dacitic volcaniclastic sandstones and dacite intrusives
442.5	to	462.7	Feldspar-quartz phyric rhyolite intrusive
462.7	to	511.5	Sericite-chlorite altered fine to medium grained dacitic volcaniclastic sandstones and minor conglomerate.

To fascillitate discussion the interval from 362.3 to 442.5m can be lumped together and is termed the Target Horizon. A detailed graphlog of drillhole TYN013 is given in Appendix 2.

Two zones of carbonate exhalites were intersected within the Target Horizon at 399.4 to 407.7m and 431.1 to 442.5m. The upper carbonate unit was relatively rich in disseminated pyrite (1 to 2%) and rare sphalerite microveins were present in a thin black siltstone horizon.

A major unit of feldspar-quartz phyric rhyolite was intersected from 442.5 to 462.7m. The upper contact from 442.5 to 444.5m is distinctly brecciated, possibly due to quench fragmentation. From 444.5 to 462.7m the rhyolite is coherent and is chilled near the contact with the breccia unit. Although the nature of the lower unit is hard to determine this unit is considered to be an intrusive sill with a peperitic to hyaloclastic upper margin.

From 462.7m to the end of the hole the sequence changes and consists of interbedded fine to coarse grained dacitic volcaniclastic sandstone, ashy siltstone, volcaniclastic conglomerate and minor hyaloclastic dacite lavas. In contrast to the Target Horizon, this unit is characterised by patchy sericite-chlorite-albite alteration with some disseminated pyrite and basemetals from 462.7 to 469.0m. It contains only minor carbonate veining and no massive carbonate units. In many repects it is similar to the pumicious massflow deposits that form the footwall rocks at Rosebery and Hercules. Significantly some of the sandstone beds in this unit display up-hole grading and suggest that the sequence is not overturned as previously condidered (Vicary, 1995). This implies that the target exhalite horizon is basal to the Anthony Road Andesite.

5.1.2 TYN014

TYN014 was planned to test the northern extension of the sericite-pyrite alteration zone intersected in hole TYN011. The hole was collared 250m to the north of TYN011 and designed to intersect the the Anthony Road Andesite - Central Volcanic Sequence contact at about 450m, thus testing the target horizon between 180 and 280m down dip from the TYN011 intersection. A cross section of TYN014 is included as Plan 2. A detailed graph log of TYN014 is given in Appendix 3.

A brief summary log is:-

0	to	42m	Glacials
42	to	615.2	Anthony Road Andesite - predominantly feldspar-hornblende phyric andesite lava with minor carbonate matrix rich andesitic volcaniclastic sediment (reworked hyaloclastic breccia)
615.2	to	744.0	Target Horizon - interbedded dacitic volcaniclastic sediments and lavas.
744.0	to	790.5	Feldspar-quartz phyric rhyolite intrusive / lava

The Target Horizon consisted predominantly of medium grained feldspar phyric dacitic volcaniclastic sandstone with minor dacitic lavas. A rare carbonate zone was

present at 627m and minor jasper veining present at 693m. In general, the Target Horizon had only weak to moderate chlorite-carbonate-(albite)-(hematite) alteration.

The hole was terminated in weakly chlorite-ablite carbonate altered feldspar-quartz phyric rhyolite. This same unit forms the host rock for the intensive footwall style alteration identified in TYN011.

5.1.3 TYN015

Drill hole TYN015 was sited to test the Target Horizon midway between TYN011 and BL001. Due to access problems the hole was collared on EL 103/87 held by Aberfoyle and the first 321m was drilled on their ground.

A summary log is:

0	to	40.5m	Glacials
40.5	to	338.8	Anthony Road Andesite - predominantly feldspar-hornblende phyric andesite lava with minor carbonate matrix rich andesitic volcaniclastic sediment (reworked hyaloclastic breccia) and black siltstone
338.8	to	467.2	Target Horizon - interbedded dacitic volcaniclastic lavas/ intrusives and sediments
467.2	to	588.4	Feldspar-quartz rhyolitic intrusive
588.4	to	822.5	Central Volcanic Sequence - interbedded fine to medium grained feldspar phyric pumiceous dacitic volcaniclastic sediments and dacite intrusives.

A detailed graph log of TYN015 is given in Appendix 4 and a cross section is presented as Plan 3.

The Target Horizon was much thicker than previously detected in other drill holes. It consists of interbedded dacite lavas, hyaloclastites and dacitic volcaniclastic sediments from 338.8 to 467.2m. It is predominantly chlorite altered with minor carbonate, hematite, epidote and albite. Disseminated pyrite is variable but occurs in zones of up to 10%. The dacitic sediments in the upper parts of this unit are relative rich in carbonates. These are possibly equivalent to the distal carbonate zones intersected in TYN013, and TYN014.

From 467.2 to 588.8m the sequence consists predominantly of massive to brecciated (hyaloclastic) rhyolitic intrusive with minor dacitic to rhyolitic volcaniclastic sediments. Sericite-pyrite alteration is common and varies from moderate to very intense (schistose) with lesser amounts of moderate albite - chlorite alteration. Disseminated pyrite is common and small pyrite veinlets may occur. The style of mineralisation and alteration is typical of foootwall alteration commonly associated with massive sulphide mineralisation. This unit is a direct correlate of the alteration zone intersected in TYN011.

The apparent thickness of the Target Horizon in TYN015 suggests that the Target Horizon was not intersected in TYN011. This implies that the small puggy fault at the base of the Anthony Road Andesite at 282m in TYN011 is more significant than first thourght. It is possible that almost the entire part of the Target Horizon has been faulted out and an apparent true stratigraphic thickness of about 160m has been displaced across the structure. The lack of alteration detected in TYN014, 250m to the north of TYN011, may indicate that this structure acted as a possible fluid conduit during the alteration. An alternative explanation is that TYN014 was not drilled deep enough to intersect the alteration within the rhyolite porphyry which was most intense in the lower parts of this unit in TYN015. However, since most of the sericite - pyrite alteration in TYN015 was detected close to the margins of the intrusive body this is considered unlikely.

5.2 DRILL HOLE CORE GEOCHEMISTRY

Diamond drill holes TYN013, 014, 015 and part of TYN011 have been routinely assayed for Cu, Pb, Zn, Au, Ag, Mn and (Ba or Ti and Zr). The results are tabulated in Appendices 2 to 5. The following table summarises the analyses:-

Summary of Drill Core Sampling - Basin Lake EL 1996

Hole	Samples	No. of Samples	Elements
TYN013	T42501 - 56	56	Cu, Pb, Zn, Ag, Au, Mn, Ba
TYN014	T43138 - 82 T42557 - 99	86	Cu, Pb, Zn, Ag, Au, Mn, Ba
TYN015	T43401 - 43679	279	Cu, Pb, Zn, Ag, Au, Mn, Ba
TYN011	T37801 - 58	58	Cu, Pb, Zn, Ag, Au, Mn,Ti, Zr

All the analyses were performed by Analabs. Cu, Pb, Zn, Ag and Mn were analysed by AAS, Au by fire assay and Ba, Ti and Zr by XRF.

5.2.1 TYN013

The assay results for TYN013 are presented in Appendix 2 and are summarised below:-

TYN013 Assays Summary

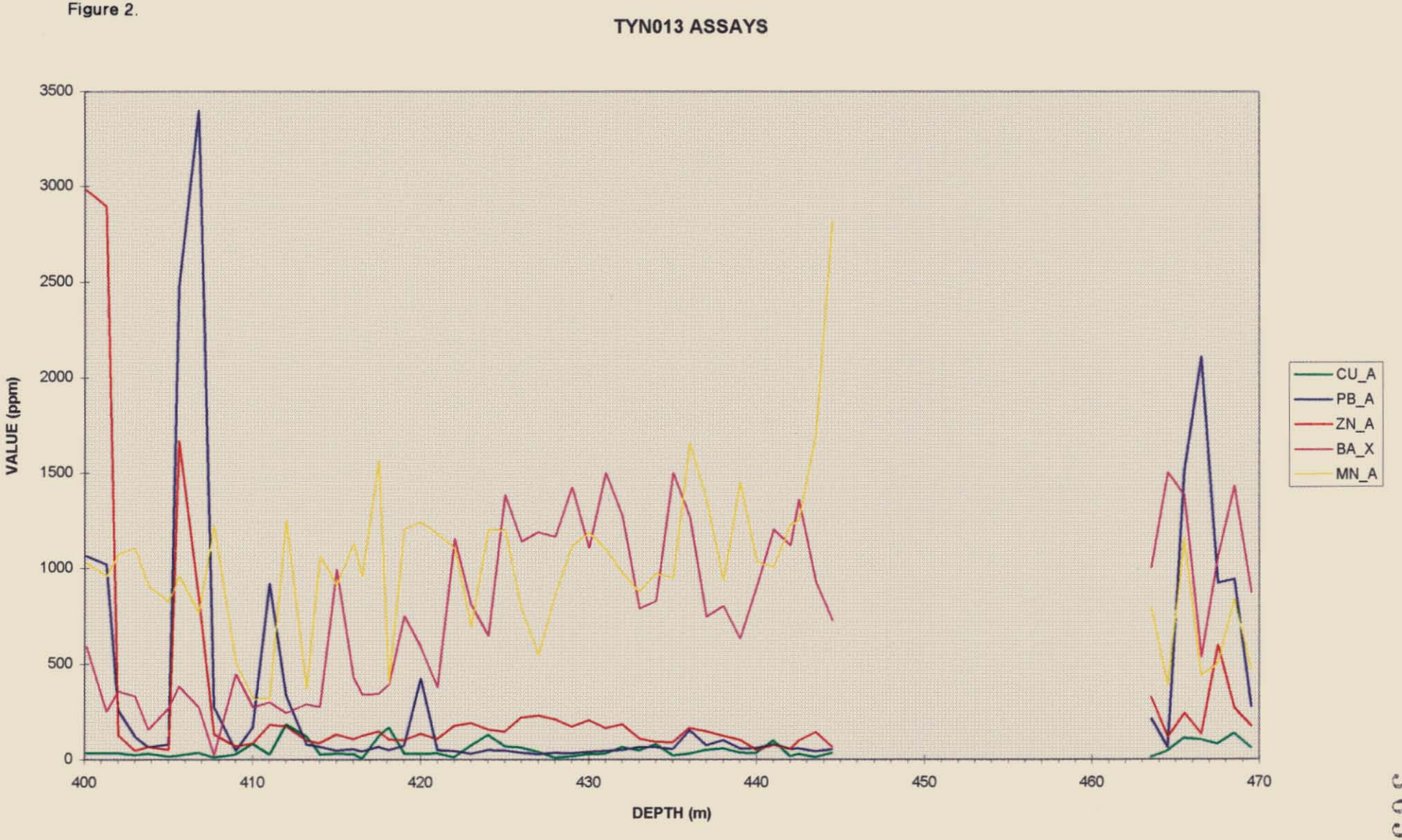
Element	Average (ppm)	Minimum (ppm)	Maximum (ppm)
Cu	52	5	183
Pb	345	28	3397
Zn	294	46	2980
Ba	779	21	1500
Mn	995	317	2815
Ag	< d.l	-2	6
Au	< d.l	-0.008	0.019

Assay results for Cu, Pb, Zn, Ba, and Mn are plotted as a function of depth down hole are presented on Figure 2. The best intersections are:-

399.7 - 401.3m, 1.6m at 0.10% Pb, 0.29% Zn and 3 ppm Ag,
405.0 - 406.8m, 1.8m at 0.29% Pb, 0.12% Zn and 4 ppm Ag, and
464.5 - 468.5m, 4.0m at 0.13% Pb, 0.06% Zn, 2 ppm Ag and 0.013 ppm Au.

The first two intersections occur within black siltstone horizons interbedded with massive carbonates and fine grained dacitic volcaniclastic siltstones and contain disseminated pyrite, pyrite veinlets and rare sphalerite microveins. The intersection from 464.5 to 468.5m was from a zone of disseminated pyrite within a sequence of sericitic dacitic volcaniclastic siltstone and sandstone (Central Volcanic Sequence).

Figure 2.



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5.2.2 TYN014

The assay results for TYN014 are presented in Appendix 4 and are summarised below:-

TYN014 Assays Summary

Element	Average (ppm)	Minimum (ppm)	Maximum (ppm)
Cu	48	-4	178
Pb	22	-5	389
Zn	313	22	889
Ba	589	11	3475
Mn	867	114	1942
Ag	na	-2	4
Au	na	-0.008	0.029

Several intervals of differing lithology and alteration were sampled from TYN014. They are:-

a) 43.5 - 53.5m. This interval is from a thinly bedded black pyritic siltstone horizon within the Anthony Road andesite. In general only low level of basemetals were present. The siltstone averaged 75 ppm Cu, 59 ppm Pb, 181 ppm Zn and 2 ppm Ag. In contrast, andesite adjacent to the siltstone had slightly elevated Zn and Pb values.

b) 82.5 - 136.5m This interval covers a zone of highly broken andesite with abundant microveins and disseminations of pyrite. Figure 3 shows the distribution of Cu, Pb, Zn, Ba and Mn throughout this interval. In general, the interval contains very low levels of Basemetals with Cu, Pb and Zn averaging 59 ppm, 3 ppm and 88 ppm respectively. At 127.5m there is a change in lithology to massive carbonate and this is reflected in a rapid increase in Mn with depletions of Cu, Pb, Zn and Ba. There is no real explanation for the pronounced Ba peak at about 112m, however this may be associated with an increase in chlorite, pyrite and hematite alteration. The sharp Mn peak at 106m is associated with abundant pyrite in a clayey matrix.

c) 440.0 - 457.0m This interval is part of a zone of intense hematite stockworks within the Anthony Road Andesite. Cu averages 47 ppm and Pb averages 45 ppm. Zn is slightly more abundant than in intervals a and b and averages 419 ppm. Ag is commonly above detection in this interval.

d) 610.0 - 640.0 This interval includes the contact between the Anthony Road Andesite and the Target Horizon. On Figure 4, this contact corresponds to a sharp trough in Mn abundance at 615m. There is a pronounced Mn peak at about 627m and this correspond to a thin hematitic carbonate zone. Between 615 and 627m, the Target Horizon is characterised by hematite alteration and generally Mn has an average of about 1200 ppm. At depths greater than 627m the alteration is dominantly chloritic at Mn average decreases to about 800 ppm. Ba is generally

Figure 3.

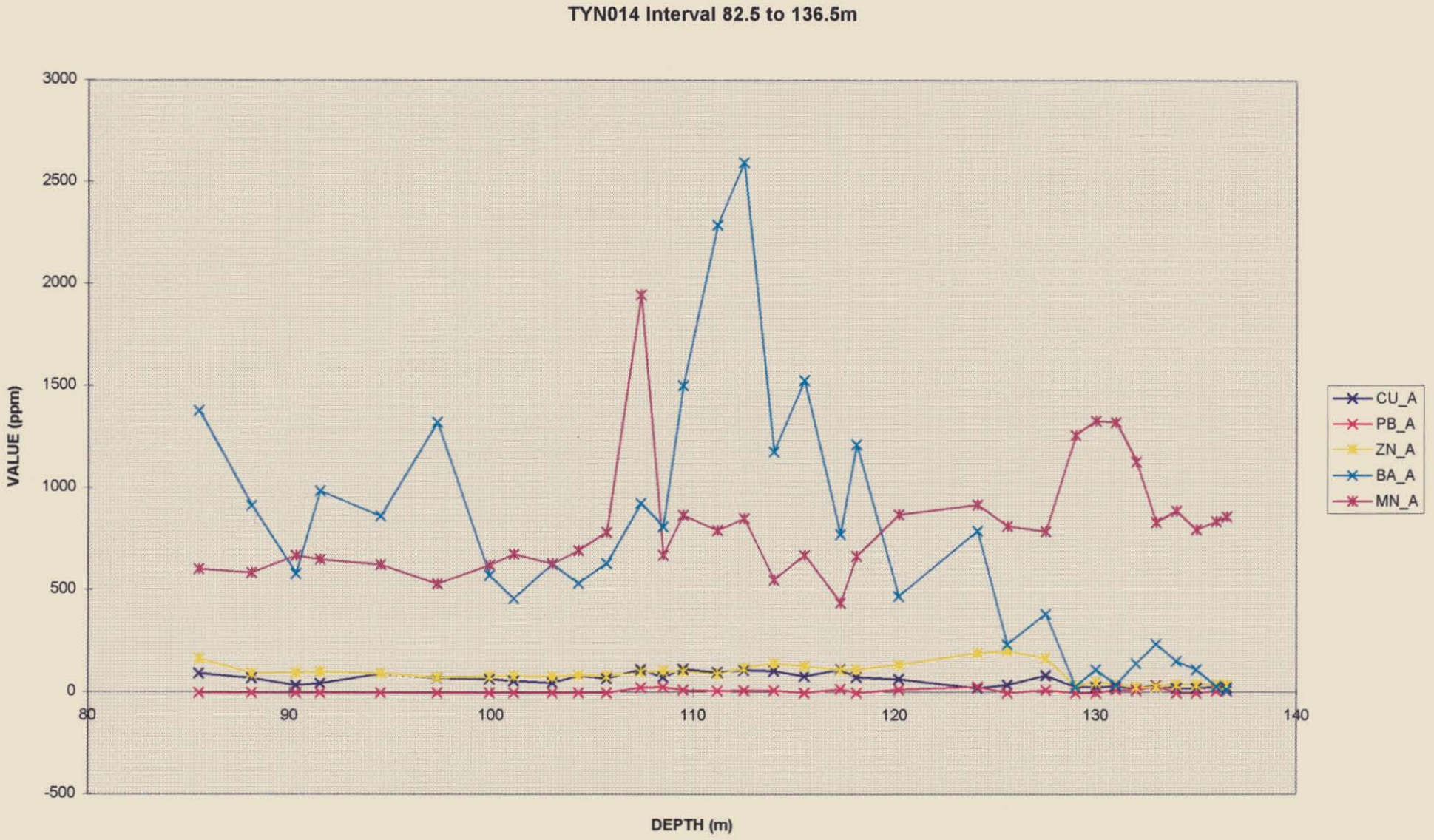

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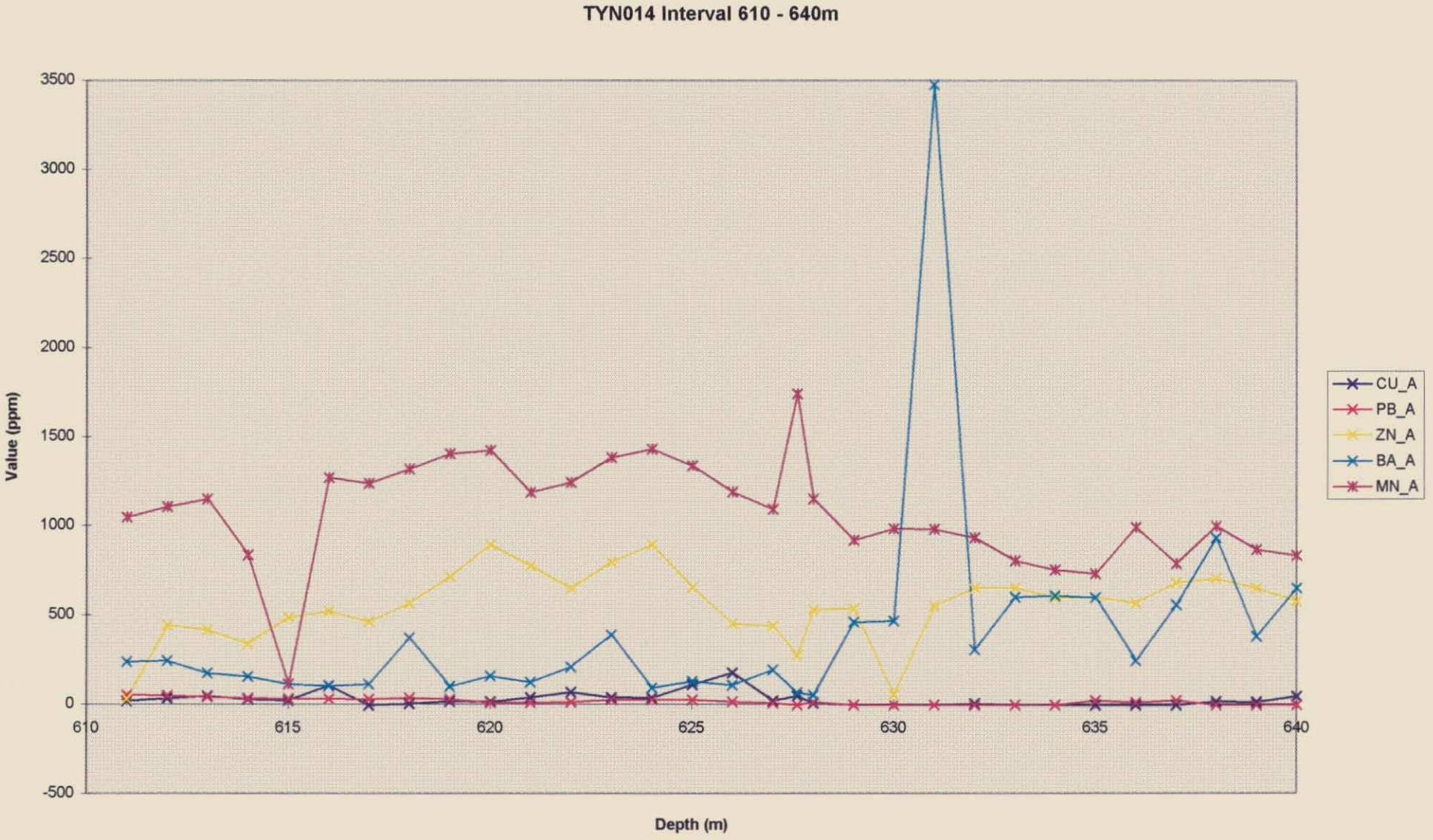
Figure 4.



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higher within this zone and averages about 500 ppm in contrast to the hematite zone which averages about 200 ppm. The pronounced Ba peak at 631m is unexplained.

e) 691.0 - 694.0 This interval sampled a small zone of intense hematitic jasper and carbonate zoning within the Target Horizon. It contained only low levels of basemetals and barium.

5.2.3 TYN015

The assay results for TYN015 are presented in Appendix 4 and are summarised below:-

TYN015 Assays Summary

Element	Average (ppm)	Minimum (ppm)	Maximum (ppm)
Cu	68	40	71
Pb	24	-5	11
Zn	118	90	96
Ba	1075	886	2725
Mn	1059	793	872
Ag	-2	-2	-2
Au	-.008	-0.008	-0.008

Assay results for Cu, Pb, Zn, Ba, and Mn plotted as a function of depth down hole are presented on Figures 5 and 6.

The basemetals, Au and Ag results for TYN015 are of very low tenure. Figure 5 shows the down hole variation for Cu, Pb and Zn. The hole was sampled from the start of the Target Horizon, through the rhyoilte porphyry to the base of moderate to intense sericite - pyrite alteration in the upper parts of the Central Volcanic Sequence.

The Target Horizon extended from 339 to 467.2m and in general had slightly elevated Cu values relative to the underlying rocks.

The rhyolite porphyry extended from 467.2 to 574.5m. The upper contact of the rhyolite can be defined by a small Zn anomaly at about 469m. From about 530 to 552m there is a noticable decrease in the Zn contents and this corresponds to a zone of intense sericite - pyrite alteration. This suggests that parts of the sericite - pyrite alteration may have leached basemetals from the footwall and may account for the very low basemetal values in these rocks. A dacitic intrusive was intersected from 552 to 562.5m and the unit corresponds to a zone of moderate Zn values. From 562.3 to 574.5m the rhyolite porphyry was intensely sericite - pyrite altered and contained relatively abundant basemetal levels. The maximum Zn assay of 1836 ppm was recorded in this zone. From 574.5 to 588.4m there is a zone of basemetal

Figure 5.

TYN015 ASSAYS

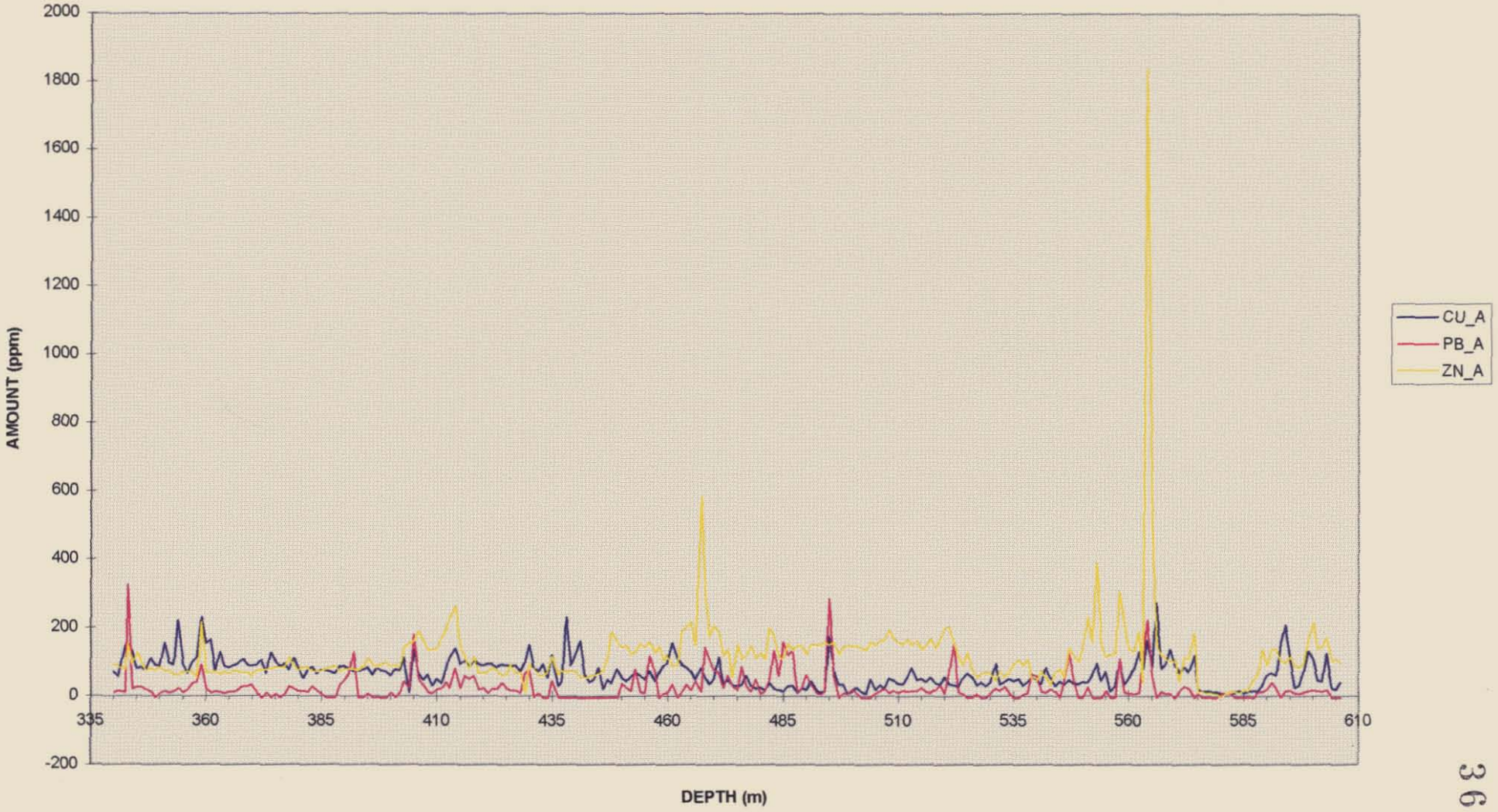

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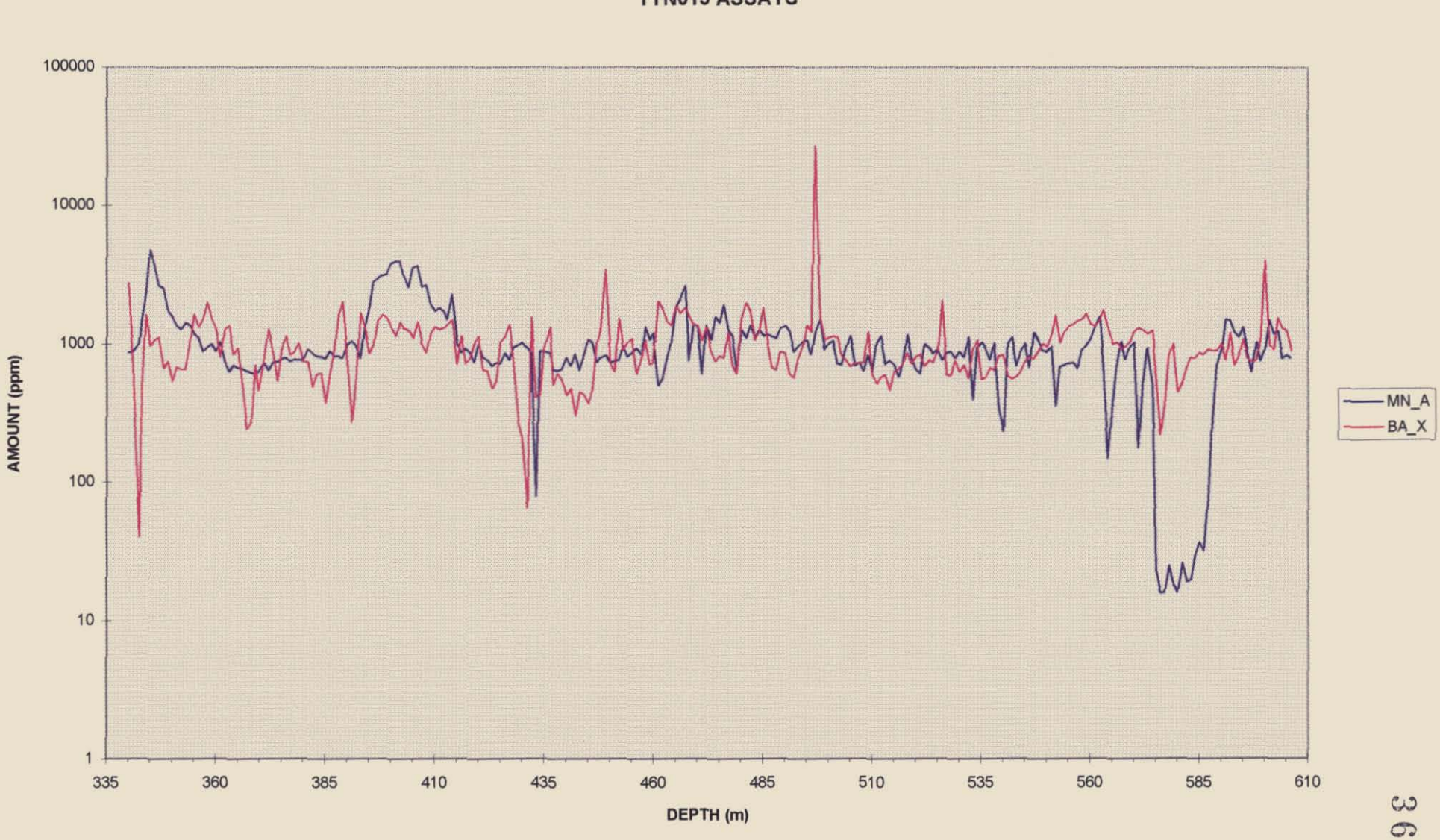
Figure 6.

TYN015 Chart 3



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depletion. This corresponds to a thin unit of schistose rhyolitic sandstone with intense sericite - pyrite alteration.

Plan 6 showns the downhole variation for Ba and Mn. In general Mn values are higher in the Target Horizon and this reflects the presence of hematitic carbonate, hematitic jasper, and disseminated pyrite. The Mn anomaly at about 345m is due to a zone of disseminated pyrite with a footwall of hematitic jasper veins. The broad Mn peak from 395 to 410m corresponds to a zone of disseminated pyrite.

The Ba distribution on Plan 6 is very erratic. The high Ba peak of 26700 ppm at 496m is unexplained.

5.2.3 TYN011

The zone of intensely broken and sheared chlorite - epidote - pryite altered andesite intersected in TYN014 from 52.5 to 127.5m can be directly correlated with a similar zone intersected in TYN011 from 115.3 to 174.9m. This zone was relogged and sampled. Due to the highly broken nature of the core sample intervals were defined on the original core runs and some sample intervals are large. A graph log and assay values are given in Appendix 5.

Pyrite occurs throughout the interval as disseminations (up to 2%) and thin veinlets. There are no visible basemetals.

The highly broken and cleaved nature of the andesite suggests that the alteration is part of a wide shear zone. Both the TYN011 and TYN014 intersections are bounded on the lower contact by a thin unit of massive carbonate.

Cu, Pb, Zn and Mn assay values for the alteration zone in TYN011 are presented in Figure 7. In general, there is little correlation between Mn and the basemetals. The distinct Mn peak at 150 - 154m corresponds to a zone of strongly cleaved limonitic andesite. The high Mn values possibly reflect Mn substitution for Fe in limonite and or goethite and probably result from oxidation of pyrite by fluids moving through the broken ground. A similar Mn peak at 159.5 - 164.8m is associated with minor hematite alteration.

Cu, Pb and Zn form a well correlated anomaly at 170.2 - 174.9m. The off center Mn peak possibly reflects the presence of carbonates at the lower contact.

A plot of Ti/Zr verses down hole depth (Figure 8) shows that there is a systematic shift in the Ti/Zr ratio downhole. The Ti/Zr ratio for the andesites ranges from 11.2 to 20.7. Using the criteria outlined in Stoltz (1996) the Ti/Zr ratios suggest a compositional variation from dacite to andesite, with the source of variation being controlled be the relative abundance of hornblende phenocrysts present in the rock. There is good correlation between Ti/Zr and rocktype and this suggests that routine

Figure 7.

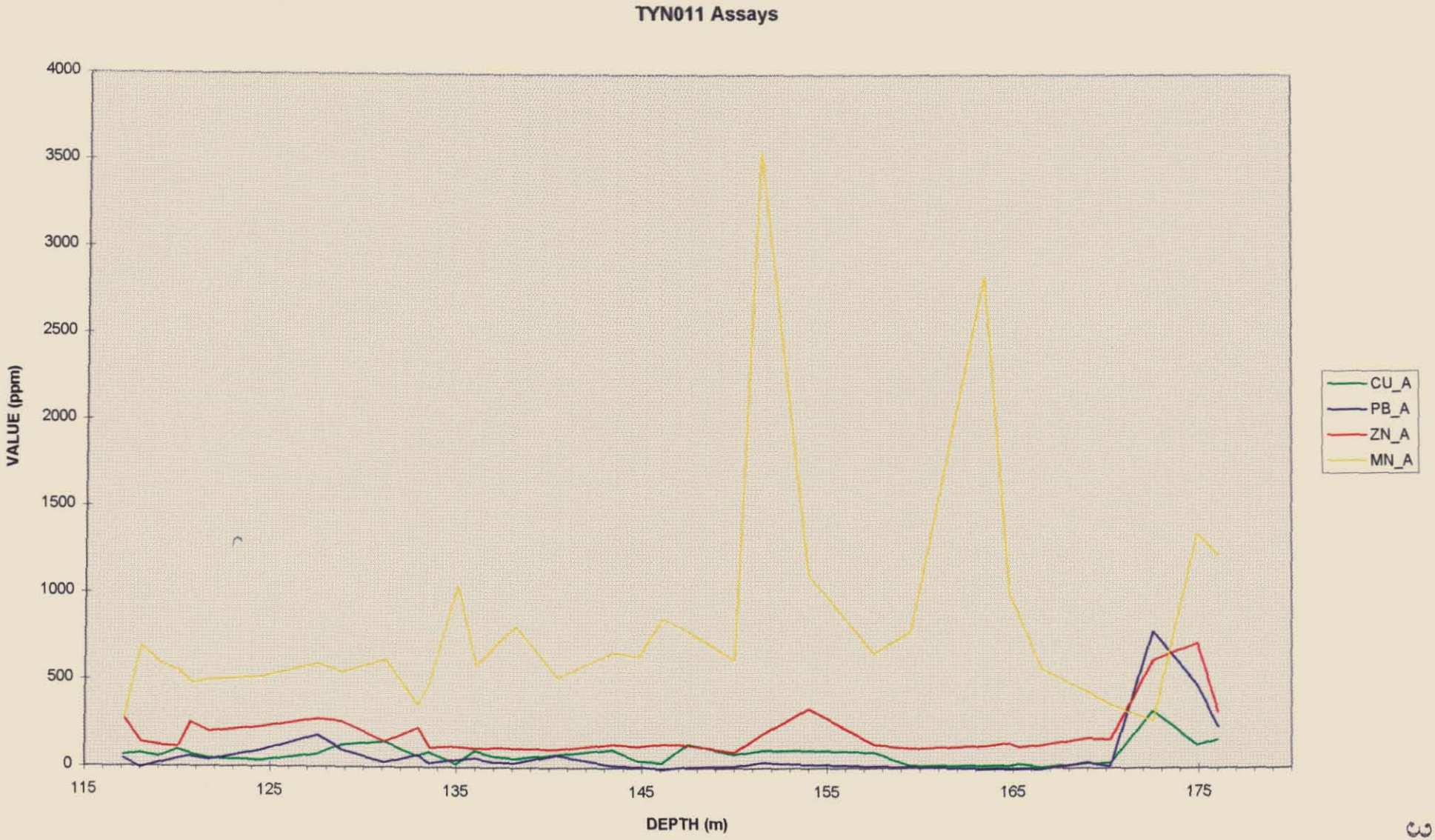

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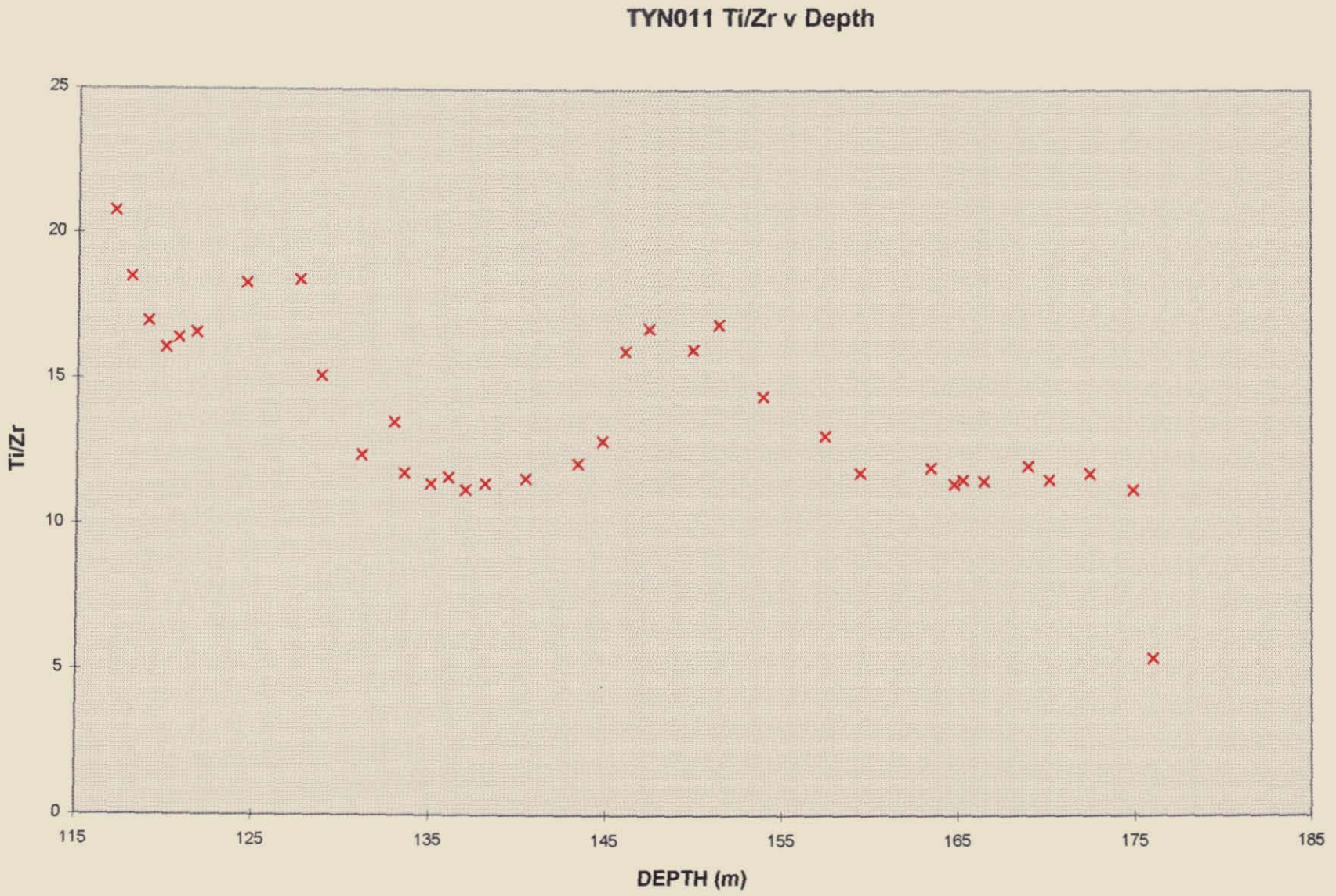
Figure 8.



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analysis of the Anthony Road Andesite would be a useful stratigraphic tool in a sequence with few diagnostic marker horizons.

5.3 CARBONATE GEOCHEMISTRY

5.3.1 Whole Rock Geochemistry

Seven carbonate samples were collected by RGC Chief Geochemist Simon Gatehouse from drillholes TYN006 and BL001 to investigate the relationship between distal and proximal exhalites.

All samples were analyzed by Inductively Coupled Plasma Spectrometry at Analabs in Perth and by Neutron Activation Analysis at Becqueral in Sydney. Results are presented in Appendix 7.

Gatehouse (1994) subdivided carbonates in Western Tasmania as C-type or Comstock type and H-type or Henty type. The geochemical criteria used to distinguish each type are summarized in the table below:-

	H - Type	C - Type	Proximal C- Type
%Mg/Eu	<0.3	>0.3	
Mn/Mg	>1		>1
Sr	250	370	
Mg	0.1	0.4	
Mn	3000	1000	>5000
Eu	1.25	0.25	
La	25	10	
Ce	40	15	
Zn			>60

In addition the H -Type can be subdivided into proximal (with high Sb, As, and (Sr)), and distal (low Sb and As) subtypes. Samples with <0.25% Ca may reflect the effects of dilution by lithic components and are evident in plots of Hf, Th, Cr, Sc, Sr, Na and the REE's.

The carbonate samples from the Basin Lake holes are summarized below:-

Sample No.	Ca	Mg	Eu	Mg/Eu	Eu/Eu*
41870	36	0.56	0.21	2.7	0.68
45844	36.3	0.212	0.11	1.9	0.72
45845	29.9	0.745	0.51	1.5	0.71
45801	38.4	0.168	0.14	1.2	0.98
45802	34.2	0.093	3.11	0.03	1.74
45803	36.1	0.229	0.35	0.65	0.84
45804	35.2	0.339	0.68	0.50	1.36

The results suggest that in board geochemical terms the carbonates from BL001 and TYN006 are similar to Comstock type carbonates. Samples 45802 and 45804 have elevated Eu and display a positive Eu anomaly (Eu/Eu* >1.0) on a chondrite normalized spider diagram (Figure 9). This may reflect a more proximal signature. Both samples come from the lower carbonate horizon in TYN006 which is considered to be the Henty position.

5.3.2 Isotopes

Eight samples from the Basin Lake drill holes have been sampled at the University of Tasmania for oxygen and carbon isotopes. The results are presented below:-

Sample No.	Drill Hole	Depth	Mineral	Delta 18O	Delta 13C
34444	BL001	278	Calcite	12.8	+1.1
34445	BL002	272.1	Calcite	16.6	+1.1
37750	BL003	386.4	Calcite	12.3	+1.4
37751	TYN012	209	Calcite	12.4	+0.9
37752	TYN006	227.3	Calcite	15.4	+1.1
37753	TYN006	295.3	Calcite	16.9	+1.2
37754	TYN007	105.2	Calcite	14.7	+1.5
37755	TYN007	286.4	Calcite	18.5	+1.3

Figure 10 is a plot of delta 18O verses delta 13C for selected data from the RGC isotope data base. The Basin Lake samples define a trend of constant delta 13C (~+1 per mil) for a range of delta 18O values (12.3 to 18.5 per mil). A similar trend is displayed by samples from Comstock and is quite distinct from carbonates from the other deposits.

There are two main carbonate horizons in the Basin Lake area. They are:-
a) Tyndall Group - Anthony Road Andesite Contact, and
b) Anthony Road Andesite - Central Volcanic Sequence Contact.

The carbonate horizon at the base of the Tyndall group has been tested by two drill holes TYN006 and TYN007. In both holes there are two distinct carbonate zones in the base of the Tyndall Group that can be recognized. The lower carbonate horizon has delta 18O values that range from 16.9 to 18.5 per mil while the upper carbonate unit is isotopically lighter and ranges from 14.7 to 15.4 per mil. Since the lower carbonate horizon is considered to be the stratigraphical position of the Henty mineralisation it is interesting to compare the relative positions of the Basin Lake, Mt Julia and Henty carbonates on Figure 10. In general the Henty carbonates display a sub-vertical trend at about delta 18O of 10 per mil and the Mount Julia carbonates cluster around an average delta 18O of 10.5 per mil. In contrast to the Henty samples, the Mount Julia samples usually have positive delta 13C values. The differences in carbonate isotopic composition between Basin Lake (holes TYN006

Figure 9. Basin Lake Carbonates REE Plot.

Basin Lake Carbonate Samples Rare Earth Element Abundances

Hole	Depth	Sample No.	La	Ce	Sm	Eu	Gd	Dy	Yb	Lu
BL001	276	41870	7.73	11.97	1.1	0.21	0.8	0.8		0.1
BL001	280.2	45844	3.93	4.07	0.5	0.11	0.44	0.48	0.26	
BL001	292.4	45845	19.16	25.53	2.12	0.51	2.29	2.14	1.42	0.33
TYN006	295.2	45801	5.14	6.77	0.6	0.14	0.32	0.34	0.14	0.05
TYN006	297.9	45802	22.13	40.96	6.15	3.11	4.83	6.34	1.92	0.3
TYN006	213.3	45803	10.32	15.91	1.57	0.35	1.03	1.01	0.31	0.06
TYN006	272.2	45804	10.64	18.48	1.72	0.68	1.36	1.43		

Basin Lake Carbonate Samples Chondrite Normalised Rare Earth Element Abundances

Hole	Depth		nLa	nCe	nSm	nEu	nGd	nDy	nYb	nLu	nLa/nSm	Eu/Eu*	nGd/nLu
BL001	276	41870	24.94	14.81	5.64	2.86	3.09	2.48		3.13	4.42	0.68	0.99
BL001	280.2	45844	12.68	5.04	2.56	1.50	1.70	1.49	1.24		4.94	0.72	
BL001	292.4	45845	61.81	31.60	10.87	6.94	8.84	6.65	6.76	10.31	5.69	0.71	0.86
TYN006	295.2	45801	16.58	8.38	3.08	1.90	1.24	1.06	0.67	1.56	5.39	0.98	0.79
TYN006	297.9	45802	71.39	50.69	31.54	42.31	18.65	19.69	9.14	9.38	2.26	1.74	1.99
TYN006	213.3	45803	33.29	19.69	8.05	4.76	3.98	3.14	1.48	1.88	4.13	0.84	2.12
TYN006	272.2	45804	34.32	22.87	8.82	9.25	5.25	4.44			3.89	1.36	

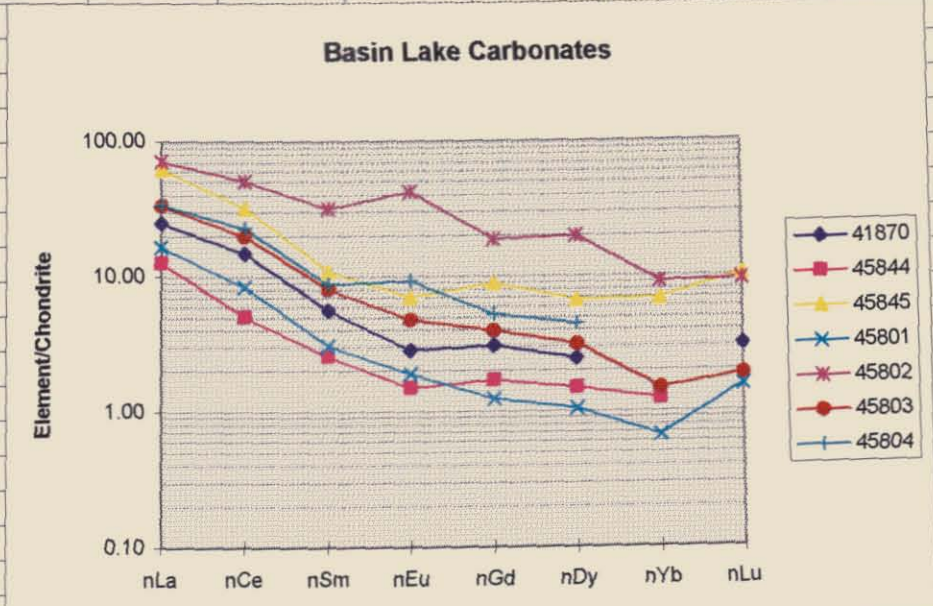

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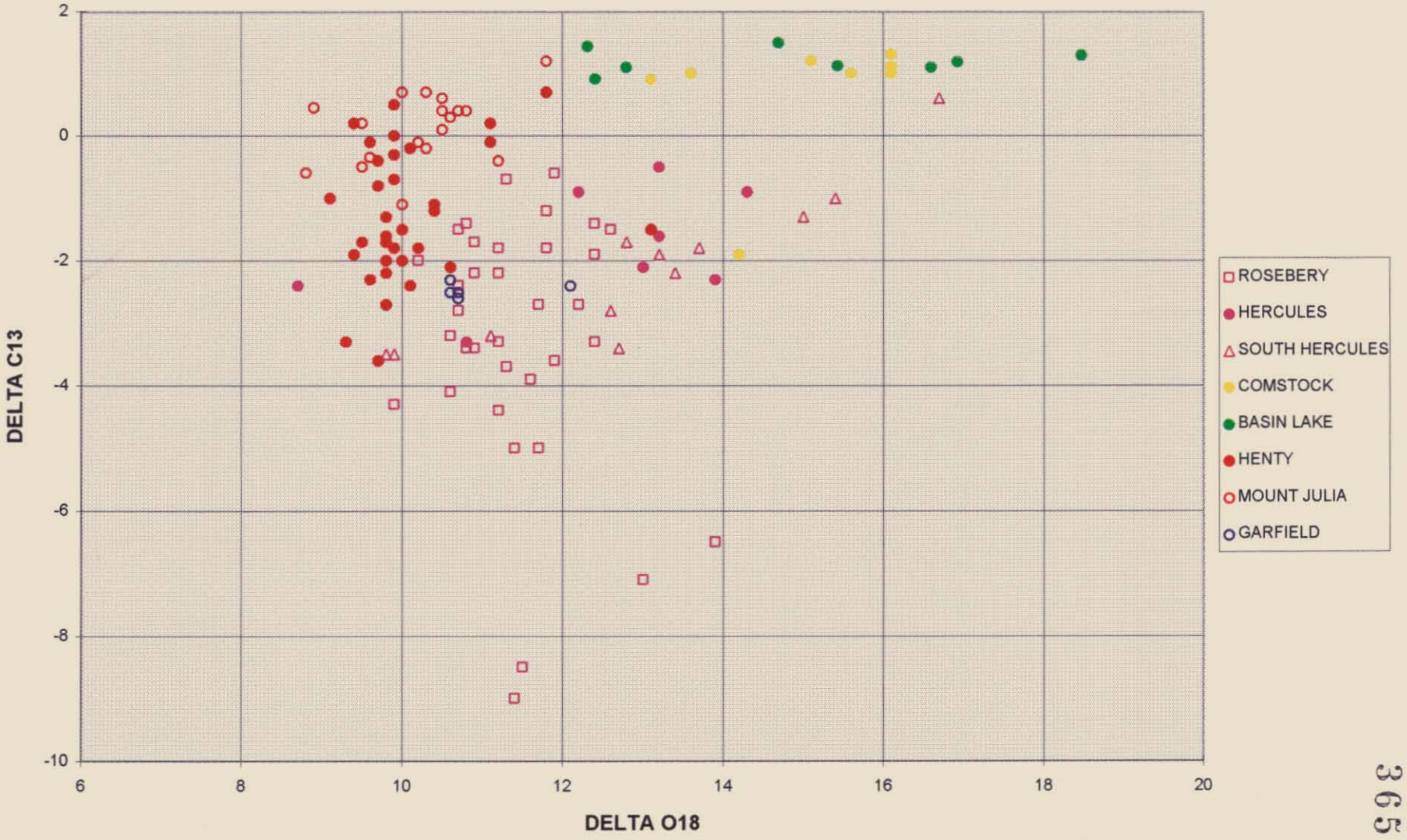
Figure 10.

TASMANIAN VHMS CARBONATE COMPOSITIONS



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and 007) and the Henty/Mount Julia area is best explained as a variation in delta 18O due to a change in temperature of formation. Higher temperature or proximal carbonates (e.g. Henty/Mount Julia) have lower delta 18O values than lower temperature or distal carbonates. The results suggest that the possibility of Comstock-style mineralisation at the base of the Tyndall Group in Basin Lake is high, however Henty-style Au mineralisation seems unlikely from the present data.

The carbonate horizons developed at the Anthony Road Andesite - Central Volcanics Sequence are part of sequence of interbedded dacites and rhyolites that has loosely been termed the Target Horizon. They occur exclusively to the south of the Whitham Bluff Fault. Three samples have delta 18O values that range from 12.3 to 12.8 per mil while a fourth from BL002 has a value of 16.6 per mil. This sample was taken from a carbonate vein within the hangingwall Anthony Road Andesites and has a similar isotopic signature to that of the overlying Tyndall Group carbonates. This may indicate that some of the Carbonate veining within the Anthony Road Andesite may be feeder veins to the overlying carbonate horizons within the Basal Tyndall Group. The relatively low delta 18O values for carbonates from the Target Horizon may represent a more proximal signature than for the Carbonates in the base of the Tyndall Group.

Additional sampling of the carbonates within the Target Horizon will be attempted to define a possible vector to mineralisation. The holes to be sampled include TYN013, TYN014, TYN015, and TYN011. It should be noted that in areas where strong footwall alteration occurs the carbonates in the overlying Target Horizon are only poorly developed, and in general the sericite - pyrite alteration is calcite destructive.

There is a systematic shift iin delta 18O values from the carbonates from the Target Horizon to those in the overlying Tyndall Group. These result are summarised below:-

STRATIGRAPHIC POSITION	Delta 18O
Lower Tyndall Group - Upper Carbonate Horizon	14.7 - 15.4
Lower Tyndall Group - Lower Carbonate Horizon	16.9 - 18.5
Anthony Road Andesite	16.6
Target Horizon - Upper Central Volcanic Sequence	12.3 - 12.8

It is concluded that in general these results reflect carbonate deposition from a cooling seawater dominated hydrothermal system. The decrease in delta 18O value in the Upper Carbonate Horizon within the Lower Tyndall Group may reflect deposition at slighty higher temperatures than for the Lower Carbonate Horizon.

5.4 GEOPHYSICS

5.4.1 Helimag Data

A series on north - south lines with a spacing of 200m were flown over the Basin Lake area as part of the 1995 Helimag Survey. Details of the survey are included as Appendix 8 in the 1995 Annual Report (Vicary, 1995).

To help with the geological interpretation the magnetic data can be plotted as a function of the second horizontal derivative of the total magnetic intensity. Full discussion of this technique may be found in Mudge, 1991.

A series of subeast - west cross faults have been identified from the original east - west fight line processing. These could explain lateral offsets in the subglacial geology at Basin Lake (see Vicary, 1995). Because the strike direction of these faults is almost parallel to the trend of the flight lines the exact location of the faults is poorly constrained. To help to further delineate any possible subglacial cross fault the data from the north - south tie line was processed by Chris Dauth (RGC Geophysicist in Perth). A plot of the second horizontal derivative function is shown on Plan 5.

The most obvious sub east - west linear feature on this plan corresponds to the position of the Hamilton Moraine Fault (see Plan 4 geology plan). A significant feature is that this structure transects the Great Lyell Fault and continues into the Owen Conglomerate. There is some indication that this structure spits into two en echelon faults to the east of the Great Lyell Fault. The existence of this structure at 381000 mE is dubious.

On a regional scale it is possible that the Hamilton Moraine Fault is expressed as a series of sub east - west structures that cut the Owen Conglomerate between Mt Sedgewick and Lake Margaret. To the south of the Hamilton Moraine Fault the Cambrian sequence consists of Central Volcanics while to the north the Anthony Road Andesite is present. Near Newton Creek another sub east - west structure occurs and this corresponds to approximately the northern limit of the Anthony Road Andesite. It is tentatively suggested that the Hamilton Moraine Fault and the Newton Creek Fault are two major faults that controlled the deposition of the Anthony Road Andesite into an elongate sub-basin. The West Sedgewick Fault, North Lyell Fault and other sub east - west structures in the Queenstown area also define limits to andesite deposition. It is possible that these faults have had a long history and were active during basin development in the Cambrian.

As the northern limit of the Anthony Road Andesite is hard to define it is quite possible that the influence of the Newton Creek Fault is not as great as indicated above. Recent reinterpretation of data from the Howards Anomaly area suggests that there is considerable interbedding between the Anthony Road Andesite and the underlying Central Volcanic Sequence. In the southern part of the Basin Lake area,

the Anthony Road andesite is much thicker and tends to form a discrete mappable unit. This relationship could suggest that the basin in which the Anthony Road Andesite was deposited in was a south plunging half graben. The southern limit of this graben was controlled by movement along the Hamilton Moraine Fault.

5.4.1 TYN015 Magnetic Susceptibility Survey

The magnetic susceptibility of the core from TYN015 was measured at 1m intervals with a Geo instruments GMS-2 Magnetic Susceptibility Meter. The results are included on the accompanying computer disk and on Plan 6.

On Plan 6, the graph on the left shows the down hole variation of the magnetic susceptibility. The horizontal red lines subdivide the profile into units of discrete magnetic susceptibility. The table on the right summaries the down hole geology and alteration. In general, there is good correlation between the observed lithological and alteration types are the magnetic susceptibility subunits. A number of features are apparent on Plan 6:-

a) The thick unit of andesite breccia from 40 to 230m can be subdivided into a moderately magnetic top which is characterized by chlorite - carbonate - epidote alteration, and a chlorite - albite - carbonate rich base which is more magnetic. Since no lithological break is apparent within the unit the change in magnetic character in the unit is thought to reflect the presence of disseminated magnetite possibly introduced with the albitisation.

b) The sericite - pyrite alteration which is best developed within the intrusive rhyolite body from 467.2 to 574.5m is commonly magnetite destructive and results in very low magnetic susceptibilities of around zero.

c) Magnetite destructive alteration is also present in the Target Horizon that directly overlies the rhyolite, and in the upper parts of the Central Volcanic Sequence which form the immediate footwall to the rhyolite. This may reflect the presence of magnetite destructive alteration associated with the rhyolite intrusion.

d) Parts of the Target Horizon, particularly the upper units, have undergone little if any magnetite destructive alteration. This may reflect that the alteration is lithogically specific or that parts of this unit post date the rhyolite intrusion. It is believed that the sericite-pyrite alteration is a form of footwall alteration. This is reflected at the sea floor with the presence of massive carbonate horizons that are interbedded within the Target Horizon. These carbonates are considered to be exhalitive and are produced by the venting on to the sea floor by the same fluid which caused the footwall sericite - pyrite alteration. The close relationship between the sericite - pyrite alteration and the rhyolite suggests that the alteration probably accompanied the intrusion of the rhyolite into the sub sea floor sediments that comprise parts of the Target horizon and the Central Volcanic Sequence.

e) The Central Volcanic Sequence at the base of the hole has a distinctive variable magnetic susceptibility pattern which probably reflects the interbedded nature of the dacite lavas / intrusives and volcaniclastic sediments that comprise this unit.

6. DISCUSSION and RECOMMENDATIONS

Exploration within EL 14/93 to the south of the Whitham Bluff Fault has developed a simple stratigraphy that as discussed above can be used regionally. The sequence is:-

1) *Anthony Road Andesite (Youngest)*
2) Target Horizon - interbedded dacitic to andesitic volcaniclastic sediments and lavas, and massive carbonates,
3) Rhyolite Porphyry - possibly intrusive. Contains some interbedded rhyolite to dacitic volcaniclastic units,
4) Central Volcanic Sequence

The stratigraphy of the subglacial drill holes is shown on Plan 7. A geological plan of the Basin Lake area is given on Plan 4. Several subeast - west cross faults have been detected from interpretation of Helimag data and are also shown on the plan. Changes in lithology, thickness and facies across these structures may suggest that these fault may have been active synvolcanic faults during deposition. The Target Horizon varies in true thickness from 9m at TYN010 to 62m at TYN012 across a sub east - west structure. One could speculate that this variation reflects the influence of synvolcanic faulting, however, it is hard to determine the exact thickness of the Target Horizon due to the intrusive nature of the underlying rhyolite.

Previous discussions on the subglacial geological interpretation in the Basin lake area (Vicary, 1994, 1995) correlated the Cambrian sequence to the south of the Whitham Bluff Fault with the Lower Tyndall Group. This correlation was made on the following assumptions:-

a) The Lower Tyndall Group contains interbedded dacitic volcaniclastic sediments and dacitic lavas that are very similar to those intersected in drill holes to the south of the Whitham Bluff area,

b) Quartz feldspar phyric ignimbrites within the Lower Tyndall Group were considered stratigraphic equivalents to quartz feldspar phyric lavas / intrusives which occur south of the Whitham Bluff Fault, and to extensive quartz feldspar phyric lavas / intrusives that occur within the Tyndall Group near the Henty Mine, and

c) Massive carbonate horizons at the base of the Tyndall Group were considered stratigraphic equivalents to massive carbonates intersected at the contact of the Anthony Road Andesite in drill hole TYN012 and BL003.

There were several loosely constrained features that contradicted this correlation. These are:-

A) Poorly defined facing directions suggested that the interbedded dacitic volcaniclastic sediments and lavas were west facing and possibly underlying the Anthony Road Andesite,

B) Structural data from the drill holes suggested that the rocks dipped between 70 and 85 degrees to the west. If they were correlates of the Lower

Tyndall Group they would have to be overturned, however this was not supported by point A,

C) The sericite-pyrite alteration zone intersected in TYN011 was more like footwall style alteration, however the preferred correlation placed the zone within the stratigraphic hanging wall, and

D) Crystal rich volcaniclastic sandstones common within the Lower Tyndall Group (ie. Lynchford Tuff Correlates) were absent.

The recent drilling program at Basin Lake has increased the exposure of the Cambrian Sequence to the south of the Whitham Bluff Fault. The most critical observation from this work has been that the majority of facing directions support a west facing and west dipping sequence. This implies that these rocks are not overturned and hence the sequence of interbedded dacitic volcaniclastic sediments and lavas (previously correlated with the Lower Tyndall Group) are statigraphically older than the Anthony Road Andesite. The abundance of dacitic (pumiceous?) volcaniclastic sediments and dacitic lavas / intrusives suggest a possible correlation with the Central Volcanic Sequence which underlies the Anthony Road Andesite to the west of Howards Anomaly.

Corbett (1986) correlates a small inlier of Cambrian rocks immediately adjacent to the Basin Lake EL boundary at 380 500 mE and 5352010 mN with the Central Volcanics Sequence. It is quite possible that this unit is more extensive than shown on Corbett's map and may extend beneath the glacial cover at least 1.5 kilometers north where similar rocks were intersected in drill hole BL005 (see Plan 4). This belt of rocks possibly represents a structural repeat of the rocks intersected in holes TYN010 to TYN015 which underlie the Anthony Road Andesite. It is not known whether the repeat is due to folding or faulting. This belt of rock should be considered a prime exploration target because:- a) the BL001 - TYN011 alteration zone could be repeated and b) a thin massive sulphide lens was intersected within the Anthony Road Andesite sequence in BL004 close to the inferred northern limit of the belt.

About 2.5 kilometers south of TYN010, Central Volcanic Sequence rocks crop out in the upper reaches of the Yolande River. The magnetic data suggest that these rocks probably extend beneath the glacial cover as far north as the Hamilton Moraine Fault. The geology of this belt of rocks should be reviewed as they contain quartz - feldspar phyric intrusives/lavas which may correlate with the rhyolitic intrusives which host the intense sericite - pyrite alteration within the Basin Lake EL.

Central Volcanic Sequence rocks also crop out about 1.5 kilometers west of Howards Anomaly. This belt of rocks extends to the south to Leech Hill, where a complex outcrop pattern of Yolande River sequence, Central Volcanic Sequence and Anthony Road Andesite occurs (Corbett, 1986). There is apparent interfingering of the Central Volcanic Sequence and the Yolande River Sequence exposed at the Bradshaws Road Pyrite Zone, however consistent east facings suggest that the Yolande River Sequence underlies the Central Volcanic Sequence.

Consistent east facings from the Yolande River Sequence in the Leech Hill area and west facings to the east of the Anthony Road Andesite in EL 14/93 tentatively imply that the Anthony Road Andesite occupies the keel of a synclinal structure. The inlier of Yolande River Sequence at Leech Hill may represent a domal structure developed in response to a change in plunge direction of the syncline. In addition the complex outcrop pattern of the Anthony Road Andesite in this area may be due, in part, to intrusion of the andesite into stratgraphically older rocks. Corbett (1985) describes thin andesite dykes within Yolande River Sequence rocks in drill hole Leech Hill 1.

Two sericite pyrite alteration zones are developed along the western margin of the Anthony Road Andesite at Leech Hill and at Bradshaws Road. It is quite possible that these may be equivalent to the alteration developed at the base of the Anthony Road Andesite in drill holes TYN011, TYN015 and BL001.

The contact between the Anthony Road Andesite and the Central Volcanics Sequence to the west of Howards Anomaly has been tested by two drill holes YNC12 and YNC13 (Quayle, 1995). Both holes were relogged in preparation for the ETA 400 - South Henty application. In YNC13, the upper part of the Central Volcanic Sequence consists of interbedded dacitic lavas, dacitic volcaniclastic sediments and rhyolitic intrusives which are variably sericite - silica altered and may contain up to 2% disseminated pyrite. This sequence is very similar to the Target Horizon in the southern part of EL 14/93 and highlights the base of the Anthony Road Andesite as a regional exploration target.

Recent re-interpretation of the Howards Anomaly - Tyndall Creek area has shown that although the Anthony Road Andesite is generally the footwall to the Lower Tyndall Group, it varies greatly in thickness and changes rapidly along strike into dacitic volcaniclastic sediments and lavas of the Central Volcanics Sequence. In general, very little andesite was observed in drill holes to the north of the Tyndall Mine, and drill holes at Howard Anomaly indicate that the Anthony Road Andesite is quite thin and has a footwall of interbedded dacite lavas, dacitic volcaniclastic sediments and rhyolitic intrusives. This unit is very similar to the Target Horizon, rhyolite intrusive and Central Volcanic Sequence which underlies the Anthony Road Andesite in the south of the Basin Lake area. It is quite possible that the alteration detected in drill holes TYN011, BL001 and TYN015 is a direct correlate of the alteration detected in drill holes HA007 and HA008 at Howards Anomaly. Both holes detected strong sericite-pyrite alteration and anomalous Pb, Zn and Ag abundances (up to 5980 ppm Zn, 3400 ppm Pb and 10 ppm Ag) in a mixed sequence of dacitic to andesitic lavas and volcaniclastic sediments and rhyolite intrusives that occur stratigraphy beneath the Anthony Road Andesite. The elevated basemetal values in HA007 and HA008 are orders of magnitude greater than those intersected in the alteration zone at Basin Lake and highlight the considerable exploration potential of the Howards Anomaly area.

The recent exploration at Basin Lake has recognized three main periods of carbonate exhalation. They are:-

1) **Base of the Anthony Road Andesite**

Carbonate horizons are developed within the Target Horizon, a sequence of interbedded dacitic to andesitic volcaniclastic sediments and lavas that underlies the Anthony Road Andesite. Sericite - pyrite footwall alteration is mainly confined to a quartz - feldspar phyric rhyolitic intrusive that intrudes both the Target Horizon and the underlying Central Volcanic Sequence. In the Target Horizon overlying areas of intense footwall alteration only minor carbonate is developed and is commonly associated with red "Tetsusekiei" jasper and disseminated pyrite. In more distal areas there is an increase in the amounts of thickly bedded massive carbonate horizons and there is little or no footwall alteration.

Carbon - Oxygen isotope data from carbonates sampled from the Target Horizon suggest that they formed at relatively higher temperatures than other carbonate horizons in the Basin Lake area. It is concluded that their more proximal isotopic signature suggests that this horizon has the greatest probability of hosting massive sulphide mineralisation.

The Target Horizon has been the main focus of exploration at Basin Lake and several drill holes (TYN010 - TYN015) have targeted this horizon along a strike length of 2.5 kilometers. An additional 2.0 kilometers has yet to be tested. This includes:- 1) between drill holes TYN009 and TYN013, and 2) near the intersection of the Target Horizon and the Hamilton Moraine Fault. Deep drilling of the Target horizon between BL001 and TYN015, the area of most intense footwall alteration, should also be considered.

2) **Within the Anthony Road Andesite**

Carbonate can occur at many stratigraphic levels within the Anthony Road andesite and testifies to a prolonged history of carbonate deposition during the formation of the andesite sequence. It can occur as or within several lithotypes. They are:-

a) Massive carbonate horizons,
b) Carbonate breccia horizons,
c) As clasts and matrix in volcaniclastic sediments,
d) As thin lamellae within black siltstone horizons,
e) As matrix between clasts in insitu jigsaw fit hyaloclastite breccias,
f) As matrix between clasts in hyaloclastite breccias that show little evidence of clast rotation,
g) As matrix in reworked hyaloclastite breccias, and
h) As numerous late cross cutting veins and microveins.

Red jasperoidal hematite and specular hematite veins and stockworks commonly form within the footwall of the carbonate horizons.

To date no exploration has targeted the carbonate horizons within the Anthony Road Andesite, however about 14m of pyritic andesitic volcaniclastic siltstone with two thin massive sulphide lenses (NB:- largest lens was about 3m wide) was intersected within the andesite sequence in BL004. The suggests that the Anthony Road Andesite should not be dismissed as an exploration target.

3) **Base of the Tyndall Group**

Two massive carbonate horizons have been recognized within the Lower Tyndall Group. The lower carbonate horizon has been correlated with the stratigraphic position of the mineralisation at Henty. Although both the carbonate horizons have a carbon and oxygen isotope signature that suggests they formed at lower temperatures than the Henty mineralisation and are similar in composition to carbonates from Comstock, the basal horizon has a pronounced positive Eu anomaly and this highlights the importance of this unit. To date, two drill holes (TYN006 and TYN007) have targeted these units. Both holes gave little encouragement, however a future drill hole could target the intersection of the lower carbonate horizon with the Whitham Bluff fault, a major subeast - west cross structure.

Additional work within the Basin Lake EL should involve an investigation into the relationship between the intense footwall sericite - pyrite alteration zone and the distal carbonate zones that are developed within the Target Horizon at the base of the Anthony Road Andesite. The aim of this study should be to determine possible vectors towards mineralisation. This study should involve 1) additional isotope and REE studies of the carbonates, 2) a sulphur isotope study of the footwall alteration zone, and 3) a whole rock analysis study to aid stratigraphic correlation. Other techniques using chlorite composition, pyrite composition and the fluorite content in sericite may be considered.

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APPENDIX 1

Symbols and Codes used in drill logs

TYPE

U - Volcanic (general)
V - Volcaniclastic
E - Epiclastic
L - Lava
I - Intrusive
P - Porphyry

COMPOSITION

R - Rhyolite
Y - Rhyodacite
D - Dacite
A - Andesite
B - Basaltic
F - Felsic
M - Mafic
U - Ultramafic

CRYSTAL TYPE

X - Crystal rich
A - Aphyric
F - Feldspar phyric
< - Feldspar - quartz phyric
> - Quartz - feldspar phyric
Q - Quartz phyric
H - Hornblende phyric
P - Pyroxene phyric
B - Biotite phyric
V - Vitric / glassy
L - Lithic rich
R - Reworked, commonly with Carbonate matrix

OTHERS

TILL - Glacial moraine
CLAY - Glacial clays
SILT - Black pyrite siltstone
FALT - Fault
CARB - Massive Carbonate
CBBX - Carbonate breccia

GRAINSIZE

B - Breccia
C - Coarse
M - Medium (Sandy)
F - Fine (Silty)
V - Very fine (Shaley)
A - Ashy
/ - Undifferentiated
X - Crystal Rich

ALTERATION

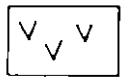
P - Pyrite
$ - Mineralised
Q - Quartz
O - Chlorite
C - Carbonate
H - Hematite
S - Sericite
K - K feldspar
A - Albite
E - Epidote
F - Fuchsite
M - Magnetite
L - Limonite

N - Scale

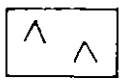
1 - Very Weak
3 - Weak
5 - Moderate
7 - Strong
9 - Intense

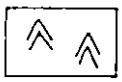
SYMBOLS FOR COHERENT TEXTURES

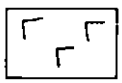
- single line symbols for low to moderate phenocryst abundance
- double line symbols for abundant phenocrysts
- smaller symbols for fine grained phenocrysts
- larger symbols for coarse grained phenocrysts
- additional "+" symbol for coarse, phenocryst-rich granitoid texture

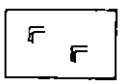

basalt, poorly to moderately porphyritic basalt

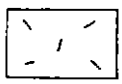
phenocryst-rich basalt

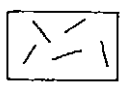

andesite, poorly to moderately porphyritic andesite


phenocryst-rich andesite

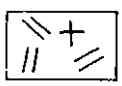

dacite, poorly to moderately porphyritic dacite


phenocryst-rich dacite

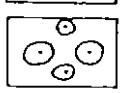

fine, poorly to moderately porphyritic rhyolite


coarse, poorly to moderately porphyritic rhyolite

coarse, phenocryst-rich rhyolite

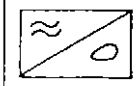

coarse rhyolitic porphyry

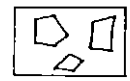
flow foliation

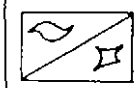

spherulites, lithophysae, alteration spots, nodular devitrification texture

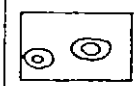
SYMBOLS FOR VOLCANICLASTIC TEXTURES

- closer spaced symbols for dominant grain size and grain type


pumice or relict pumice


angular, juvenile lava clasts


fiamme/
vitriclast or relict vitriclast

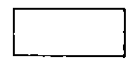

accretionary lapilli

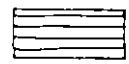
angular, polymict lithic clasts

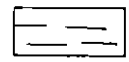
rounded, polymict lithic clasts

mudstone intraclast

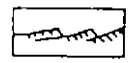
sand-size particles, granular texture


mud-size particles

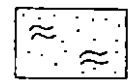

distinct planar stratification


diffuse planar stratification

cross bedding


micro-cross lamination

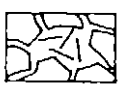
e.g.


pumice clasts in sand matrix

angular polymict lithic clasts and mudstone intraclasts in sand matrix

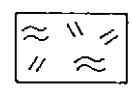
SYMBOLS FOR JUVENILE-CLAST-RICH DEPOSITS

jigsaw-fit texture of fine, moderately porphyritic rhyolite


jigsaw-fit texture of coarse, moderately porphyritic rhyolite

jigsaw-fit texture of coarse phenocryst-rich andesite

pumice-clast-rich deposit, coarse, moderately porphyritic rhyolitic composition


pumice-clast-rich deposit, coarse, phenocryst-rich rhyolitic composition

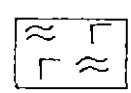

pumice-clast-rich deposit, coarse, moderately porphyritic dacitic composition

Fig. 9—Recommended composition and texture symbols for graphic logging of volcanic deposits.
(From:- McPhie, Doyle and Allen. CODES 1993)

ROCK TYPES

ALTD	Altered Rock	GRAN	Granite	QUAR	Quartzite
ARCK	Arenite				
ARLS	Arenite, Labile	HORN	Hornfels	SAND	Sandstone
ARLT	Arenite, Lithic			SCHI	Schist
ARES	Arkose	IRST	Ironstone	SMSU	Semi-Massive Sulphide
				SERP	Serpentinite
BREC	Breccia	LAMP	Lamprophyre	SHAL	Shale
BRPC	Polymict Breccia	LIMS	Limestone	SILT	Siltstone
		LMRC	Limbrocks	SISH	Siltstone with Shale
CARB	Carbonate			SKRN	Skarn
CHRT	Chert	MSGR	Massive Graphite	SLAT	Slate
CLAY	Clay (unconsolidated)	MSPY	Massive Pyrite	STRE	Structural Measurement (alt. SIR)
CONG	Conglomerate	MSSU	Massive Sulphide		
CGPM	Polymict Conglomerate	MYLN	Mylonite	TILL	Glacial Till
CGSC	Siliciclastic Congl.	NODS	Nodstone	TLIT	Tillite
CLOS	Core Loss	NTLS	Xylonite	TRID	Tremolite
DOLM	Dolomite	NOVE	No core (precollar)	ULTF	Ultramafic
FALT	Fault	PEBS	Pebbly Sandstone	VEIN	Vein
FTBX	Fault Breccia				
FTSX	Fault/Shear Zone				

Volcanic Facts

E	Epiclastic	)	
L	Lava	)	
P	Porphyry	) TYPE	
VO	Volcanic (General)	)	
V	Volcaniclastic	)	
A	Andesitic	)	
B	Basaltic	)	
R	Dacitic	)	
FL	Felsic	) COMPOSITION	
MA	Mafic	)	
R	Rhyolitic	)	
U	Ultramafic	)	
X	Crystal-rich		
F	Feldspar Phyric	)	
QF	Quartz-Feldspar Phyric	) CRYSTAL TYPE	
Q	Quartz Phyric	)	
BX	Blocky	)	
BR	Breccia	)	
C	Coarse	)	
M	Medium (Sandy)	) GRAINSIZE	
S	Fine (Silty)	)	
S	Very fine (Shaley)	)	
/	Undifferentiated		

Examples

VOFL	Undiff. Felsic Lavas & Volcaniclastics
VBX	Blocky Volcaniclastic
VMAC	Coarse Mafic Volcaniclastic
VDX	Sandy Dacitic Volcaniclastic
VS	Silty Volcaniclastic
VS	Shaley Volcaniclastic
VS/	Undiff Fine-grained Volcaniclastics
VEFL	Felsic Volcaniclastics & Epiclastics
VEBR	Andesitic Volcaniclastic Breccia
VQQF	Quartz-Feldspar Phyric Volcanic
LRF	Feldspar-Phyric Rhyolitic Lava
PQF	Quartz-Feldspar Phyric Porphyry
VX/	Undiff. IL-Rich Volcaniclastic
EIQF	Quartz-Feld. Phyric IL-Rich Volcaniclastic
EAIC	Coarse IL-Rich Andesitic Epiclastic
EIX	Sandy IL-Rich Epiclastic
EIS	Silty IL-Rich Epiclastic
EMA/	Undiff. Mafic Epiclastics
EBX	Blocky Epiclastics
EC	Coarse Epiclastics
EDX	Sandy Dacitic Epiclastics
ES	Silty Epiclastics
EBS	Shaley Basaltic Epiclastics

APPENDIX 2

TYN013 Drill log and Assays

RGC EXPLORATION DRILL HOLE RECORD

HOLE NUMBER	TYN013	**DRILLED BY**	DDTAS
PROJECT	Basin Lake	**NORTHING**	5354389
PROSPECT	Basin Lake	**EASTING**	381018
DESIGNED BY	Michael Vicary	**RL**	550m
LOGGED BY	Michael Vicary	**INCLINATION**	-77
COMMENCED	23 - 5 - 1996	**AZIMUTH**	090 AMG
FINISHED	26 - 6 - 1996	**EOH**	511.5m

PURPOSE

The hole is designed to test an exhalite horizon developed at the Anthony Road Andesite - Central Volcanic Sequence contact. The horizon will be tested 400m along strike to the north of BL003 and 150m south of a cross fault. The hole is collared at -77 degrees to intersect the Target Horizon about 450m down dip, assuming the contact dips at -80 to west. Although BL003 intersected only minor distal carbonates at the Target Horizon it is hoped that the cross fault will be a favourable structure to control mineralisation.

SURVEY DATA

DEPTH	INC.	AZ.	DEPTH	INC.	AZ.	DEPTH	INC.	AZ.
0m	-77	090	240	-72.5	088	450	-57.5	084
30	NA	NA	270	-72.2	089	480	-57	087
60	-76	089	288	-72.2	088	510	-56.5	087
90	-76	088	306	-69.5	086			
120	-74.5	090	324	-66.5	086			
150	-74	086	348	-61.5	086			
180	-73.5	084	390	-59	084			
210	-73	087	420	-58	086			

DRILLING DATA

HOLE SIZE	DEPTH	COMMENTS
PQ	0 - 31.5	Hole cased with PVC to 511.5m.
HQ	31.5 - 109.2	Some rods left in hole.
NQ	109.2 - 511.5	

SUMMARY

Summary Log:-	
0 to 81.5m	Glacials
81.5 to 362.3	Anthony Road Andesite
362.3 to 442.5	Target Horizon - Interbedded dacitic vollcaniclastic sediments and lavas, and massive carbonates
442.5 to 462.7	Feldspar-quartz phyric rhyolite intrusive
462.7 to 511.5	Central Volcanic Sequence - Interbedded fine to coarse dacitic volcaniclastic sediments.

The hole intersected abundant massive carbonate horizons between 399.7 and 442.5m. A zone of carbonate from 399.4 to 407.7m contained 1-2% dissiminated pyrite and rare sphalerite microveins. Assays from the carbonate zones were generally low.The best intervals were 399.7 - 401.3: 1.6m at 1044ppm Pb, 2973ppm Zn and 3ppm Ag,

405.0 - 406.8: 1.8m at 2934ppm Pb, 1256ppm Zn and 4ppm Ag,

464.5 - 468.5: 4.0m at 1371ppm Pb, 617ppm Zn, 2ppm Ag and 0.103ppm Au.

TYN013 Summary Log:

0 - 31.4	Unconsolidated cobble-boulder glacial deposits
31.4 - 76.6	Limonitic muds and silts
76.6 - 81.5	Unconsolidated pebble-cobble glacial deposits
81.5 - 89.0	Deeply weathered limonitic andesite
89.0 - 96.6	Weakly chloritic andesite
96.6 - 296.5	Variably chlorite-hematite-albite altered feldspar-hornblende phyric andesite
296.5 - 362	Feldspar-hornblende phyric Andesite. Patchy chlorite-hematite-albite alteration. Carbonate veining, microveining and breccia fillings becoming more abundant downhole
362 - 370	Chl-(alb) altered feldspar phyric dacitic volcaniclastic sandstone with abundant carbonate veins and massive units
370 - 384.2	Albite - chlorite altered feldspar phyric dacitic volcaniclastic sandstone with a decrease in the abundance of carbonate veins
384.2 - 399.4	Chloritic Crystal rich dacitic Intrusive
399.4 - 407.7	Interbedded massive carbonate, carbonate breccias, black siltstones and dacitic volcaniclastic sediments
407.7 - 411.9	Chloritic-albitic Crystal rich dacitic Intrusive
411.9 - 416.5	Interbedded dacitic volcaniclastic sediments with minor carbonate
416.5 - 417.5	Fault
417.5 - 418.1	Chloritic-albitic Crystal rich dacitic Intrusive
418.1 - 420.3	Interbedded massive carbonate, carbonate breccias, black siltstones and dacitic volcaniclastic sediments
420.3 - 431.5	Albitic feldspar phyric dacitic volcaniclastic sandstone with zones of hematitic carbonate
431.5 - 442.5	Interbedded thinly bedded grey to pink carbonates and fine to medium grained dacitic volcaniclastic sandstoned with patchy chlorite - albite - sericite alteration
442.5 - 444.4	Feldspar - quartz phyric rhyolite intrusive. Intensely brecciated (hyaloclatite?/peperite?) and intensely hematite - carbonate - chlorite altered.
444.4 - 462.7	Albite - chlorite altered massive feldspar - quartz phyric rhyolite intrusive
462.7 - 511.5	Interbedded fine to coarse grained dacitic volcaniclastic sandstone, ashy siltstone, volcaniclastic conglomerate and minor hyaloclastic dacite lavas. Patchy chlorite - sericite - pyrite alteration. (EOH)

SAMPLE	HOLE	DEPTHF	DEPTHT	CU_A	PB_A	ZN_A	BA_X	MN_A	AG_A	AU_G
42501	TYN013	399.7	400.1	35	1066	2980	589	1026	3	-0.008
42502	TYN013	400.1	401.3	34	1022	2893	251	957	3	-0.008
42503	TYN013	401.3	402	33	258	126	358	1071	2	-0.008
42504	TYN013	402	403	24	121	46	333	1102	2	-0.008
42505	TYN013	403	403.8	32	65	66	155	906	-2	-0.008
42506	TYN013	403.8	405	17	80	50	269	821	-2	-0.008
42507	TYN013	405	405.6	23	2471	1668	383	955	3	-0.008
42508	TYN013	405.6	406.8	36	3397	843	275	764	6	-0.008
42509	TYN013	406.8	407.7	11	277	130	21	1220	2	-0.008
42510	TYN013	407.7	409	26	46	67	445	507	-2	-0.008
42511	TYN013	409	410	82	169	84	275	317	-2	-0.008
42512	TYN013	410	411	26	921	181	301	318	-2	-0.008
42513	TYN013	411	412	183	337	175	246	1248	3	0.019
42514	TYN013	412	413.2	122	80	100	290	366	-2	-0.008
42515	TYN013	413.2	414	26	67	86	277	1058	-2	-0.008
42516	TYN013	414	415	32	48	131	994	909	-2	-0.008
42517	TYN013	415	416	30	55	106	425	1126	2	-0.008
42518	TYN013	416	416.5	5	43	123	342	955	-2	-0.008
42519	TYN013	416.5	417.5	122	68	148	345	1560	-2	-0.008
42521	TYN013	417.5	418.1	168	52	105	391	397	-2	-0.008
42522	TYN013	418.1	419	32	73	101	749	1202	-2	-0.008
42523	TYN013	419	420	32	425	136	587	1242	-2	-0.008
42524	TYN013	420	421	34	52	107	379	1178	-2	-0.008
42525	TYN013	421	422	12	46	178	1155	1103	-2	-0.008
42526	TYN013	422	423	72	32	192	806	691	-2	-0.008
42527	TYN013	423	424	129	51	157	644	1203	-2	-0.008
42528	TYN013	424	425	70	49	146	1385	1201	-2	-0.008
42529	TYN013	425	426	64	36	220	1140	782	-2	-0.008
42530	TYN013	426	427	41	28	231	1190	542	-2	-0.008
42531	TYN013	427	428	10	36	210	1165	860	-2	-0.008
42532	TYN013	428	429	18	35	172	1425	1111	-2	-0.008
42533	TYN013	429	430	29	42	206	1105	1186	-2	-0.008
42534	TYN013	430	431	31	45	166	1500	1095	-2	-0.008
42535	TYN013	431	432	66	51	184	1275	971	-2	-0.008
42536	TYN013	432	433	48	65	109	791	876	-2	-0.008
42537	TYN013	433	434	79	65	92	829	972	-2	-0.008
42538	TYN013	434	435	22	56	90	1500	948	-2	-0.008
42539	TYN013	435	436	31	156	165	1270	1652	-2	-0.008
42541	TYN013	436	437	51	75	149	746	1359	-2	-0.008
42542	TYN013	437	438	59	103	124	802	933	2	-0.008
42543	TYN013	438	439	37	59	102	632	1448	-2	-0.008
42544	TYN013	439	440	33	61	48	904	1034	-2	-0.008
42545	TYN013	440	441	99	79	75	1205	1004	-2	-0.008
42546	TYN013	441	442	16	55	54	1120	1225	-2	-0.008
42547	TYN013	442	442.5	29	58	96	1360	1248	-2	-0.008
42548	TYN013	442.5	443.5	13	44	142	928	1696	-2	-0.008
42549	TYN013	443.5	444.5	34	53	62	726	2815	-2	-0.008
42550	TYN013	462.5	463.5	13	213	324	1000	796	-2	-0.008
42551	TYN013	463.5	464.5	44	60	117	1500	386	-2	-0.008
42552	TYN013	464.5	465.5	111	1512	240	1380	1151	2	0.013
42553	TYN013	465.5	466.5	104	2106	130	534	434	3	0.009
42554	TYN013	466.5	467.5	81	923	596	1060	497	2	0.018
42555	TYN013	467.5	468.5	136	942	267	1430	834	-2	0.013
42556	TYN013	468.5	469.5	58	275	173	871	464	-2	-0.008
	Average			52	345	290	779	995	na	na
	Maximum			183	3397	2980	1500	2815	6	0.019
	Minimum			5	28	46	21	317	-2	-0.008
	Detection Limit (ppm)			4	5	4	10	5	2	0.008
	Assay Method			GA101	GA101	GA101	GX401	GA101	GA101	GG309
	Laboratory			Analabs	Analabs	Analabs	Analabs	Analabs	Analabs	Analabs

RGC EXPLORATION PTY LTD

DRILL HOLE No TJN013 (SUMMARY)

SHEET 1 OF 3

PROJECT	: Basin Lake EL 14/93
PROSPECT	:
DATE	:
LOGGED BY	: M Vearncy

— Bedding
⌊ Cleavage
— Foliation
~~~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION (SIL. SER. PY. Carb.) | GEOLOGY NOTES | SUMMARY ROCK | SUMMARY ALTERATION

0-31·4 Unconsolidated pebble-cobble glacial till with sandy matrix

31·4-76·6 Unconsolidated limonitic muds and clays

76·6-81·5 Unconsolidated limonitic pebble-cobble glacial till with sandy matrix

81·5-362·3 feldspar ± hornblende phyric andesite lava

ROCK: TILL; CLAY; Qpg; Co; LAF-

ALTERATION: L-B; O-B; OLH7; CHL7; CAC6; CHL6; CAC7; QRZ6; QRT

REMARKS

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION (SIL. SER. PY. Carb.) | GEOLOGY NOTES | SUMMARY ROCK | SUMMARY ALTERATION

81·5-362·3
feldspar ± hornblende phyric andesite lava

362·3-384·2 Predominantly dacitic volcaniclastic sandstone with minor carbonate and carbonate breccia

384·2-399·7 Crystal rich feldspar phyric dacitic intrusive

ROCK: Co; LAF-; Ettlb; VDTM; SDFX; QRAP

ALTERATION: QRZ6; QRT7; HAG5; QRG5; ACC1; QRAP

REMARKS

365049
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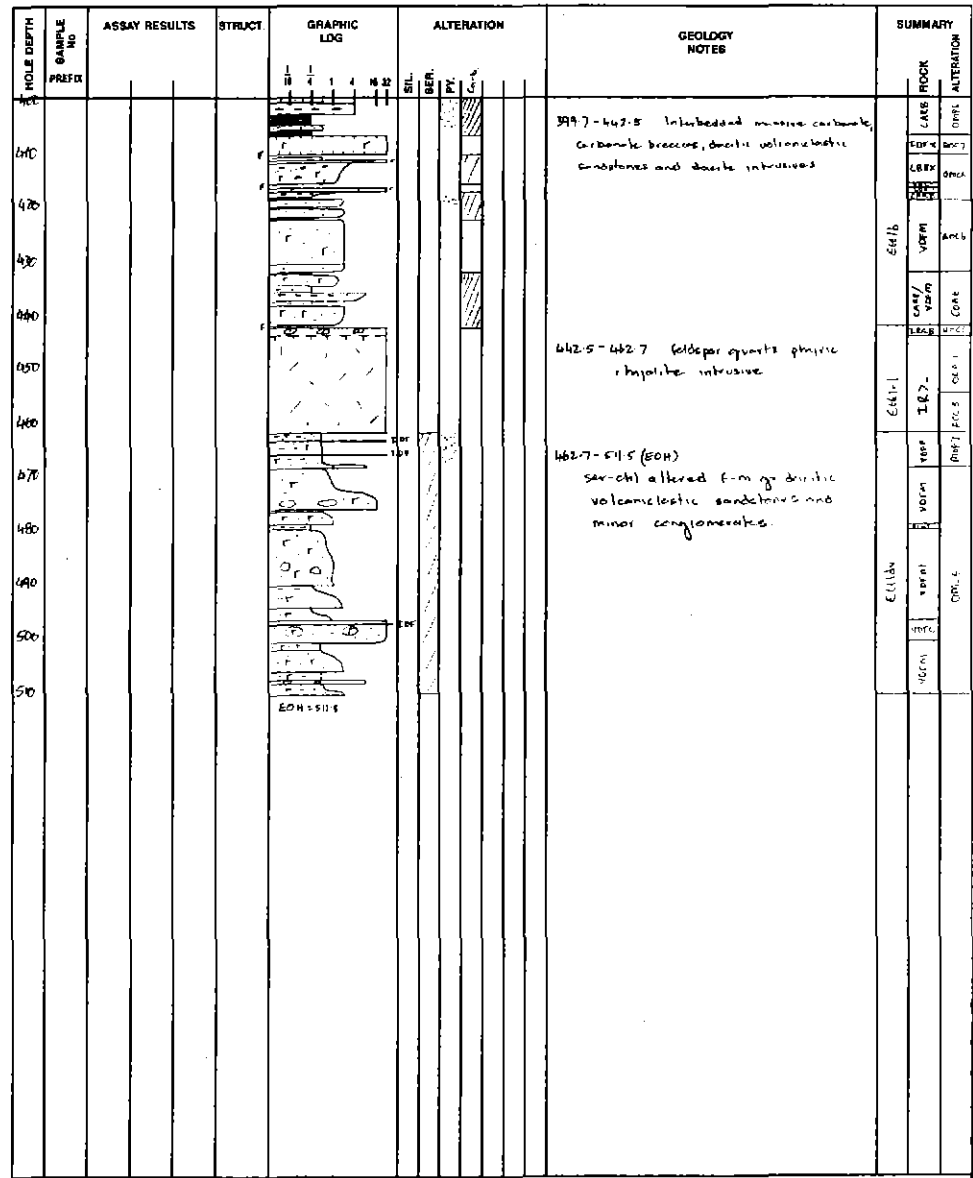
RGC EXPLORATION PTY LTD

DRILL HOLE No TJNO13 (SUMMARY)

SHEET 3 OF 3

PROJECT	: BASIN LEASE EL 11/93
PROSPECT	:
DATE	:
LOGGED BY	: M Vicary

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold



REMARKS

36505D

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN013

SHEET 1 OF 26

Bedding | Cleavage | Foliation | Fault, Shear | Breccia | Broken core

Disseminated | Massive | Pervasive | Narrow vein | * Visible gold

PROJECT	: BASIN LAKE EL 14/93
PROSPECT	:
DATE	:
LOGGED BY	:

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION (BIL. SER. PY. Carb Hem Chl Lim)	GEOLOGY NOTES	SUMMARY (FORMATION ROCK ALTERATION)
0				Precollar			
1							
2			Quartz clast			0 – ≈ 31.4 m Unconsolidated pebble-cobble Owen conglomerate derived clasts ≈ 2% Cambrian clasts in white-pink-yellow-brown sandy matrix Largest stick of core = 60mm	
3			Cambrian clast				
4							
5							
6						2.0 – ≈5.0 chemically weathered fine sand grade pale yellow weakly limonitic matrix contains 10% Cambrian derived clasts	
7							
8							
9						5.0 – 14.0 unconsolidated sandy ~50% pale pink-light brown f-m gr sand matrix 1-2% Cambrian clasts	
10							
11							
12							QPG TILL
13							
14							
15						14.0-16.0 Pale sand matrix is largely washed out	
16							
17			?				
18						16.0-20.0 light pink sand matrix (almost pure Owen derived sand)	
19							
20							

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN013

SHEET 2 OF 26

Bedding | Cleavage | Foliation | Fault, Shear | Breccia | Broken core

Disseminated | Massive | Pervasive | Narrow vein | * Visible gold

PROJECT	: BASIN LAKE EL 14/93
PROSPECT	:
DATE	:
LOGGED BY	:

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION (SIL. SER PY. Carb Hem Chl Lim)	GEOLOGY NOTES	SUMMARY (FORMATION ROCK ALTERATION)
20							
21							
22							
23							
24						20.0 – 20.5 Owen derived pebbles in white to pale pink clay – fine sand rich matrix includes 24.3 – 24.5 pale pink gritty clay	
25							
26						20.5 – ≈26.6 largely washed gravels 10% matrix at base	
27						26.6 – 27.0 Pale brown-tan fine sand – gritty clay with unconsolidated gravelly base	
28							
29						27.0 – 31.4 washed gravels	
30							
31							QPG TILL
PQ 31.4 PCB						31.4 – 36.5 Very unconsolidated limonitic clay ± pebbly Top (high percentage of core loss)	
32							
33						31.4 – 76.6 limonitic muds, silts + f-c gr sands	
34							
35						36.5 – 50.0 unconsolidated limonitic – weakly bedding, maybe banded when well preserved (5% 1mm – 2cm) muds and minor fine sands	
36			36				QPG CLAY
37							
38							
39							
40							

REMARKS

36505

RGC EXPLORATION PTY LTD

DRILL HOLE No 71NO13

SHEET 3 OF 26

PROJECT	BASIN LAKE EL 11/93
PROSPECT	
DATE	
LOGGED BY	

— Bedding
⌴ Cleavage
—▲— Foliation
~~~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION (SIL. SER. PY. Carb Bio Chl) | GEOLOGY NOTES | SUMMARY (Formation, ROCK, ALTERATION)

61 62 63 66 65 66 67 68 69 50 51 52 53 54 55 56 57 58 59 60

75 / 10

50.0-50.1
f-m gr limonitic unconsolidated sands

QP6

CLAY

50.1-56.5 black limonitic f-m gr sands. Palaeosol ? due to organic enrichment ?

SOIL

50.5-59.5
Unconsolidated limonitic clays + fine sands

CLAY

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No 71NO13

SHEET 4 OF 26

PROJECT	BASIN LAKE EL 11/93
PROSPECT	
DATE	
LOGGED BY	

— Bedding
⌴ Cleavage
—▲— Foliation
~~~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION (SIL. SER. PY. Carb Bio Chl) | GEOLOGY NOTES | SUMMARY (Formation, ROCK, ALTERATION)

61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

59.5 - 66.3 Very unconsolidated limonitic mud + f sands

66.3 - 67.5 Unconsolidated m-c gr limonitic sand

67.8 30 cm block of andesite

67.5 - 76.6
Coherent limonitic mud - fine sand.

QP6

CLAY

76.6 - 81.5
Unconsolidated limonitic granule - pebble - cobble matrix supported Till. m-c gr sandy matrix
70% Cambrian / 30% Owen derived clasts

TILL

REMARKS

36552

RGC EXPLORATION PTY LTD

DRILL HOLE No 11NO13

SHEET 5 OF 26

— Bedding
⌴ Cleavage
— Foliation
~~~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

PROJECT	: BASIN LAKE EL 14/93
PROSPECT	:
DATE	:
LOGGED BY	:

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION (SIL. SER. PY. Carb Hm Chl Lim) | GEOLOGY NOTES | SUMMARY (Formation ROCK ALTERATION)

81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99

Qpg FILL

81.5 - 89.0
Deeply weathered limonitic feldspar-(hbl) phyric andesite.

LAFI L--8

89.0 - 96.6
weathered moderately chloritic feldspar phyric andesite
(broken zones indicated)
Relatively massive unit, minor brecciation evident.
Some chl-Ferromag Phenos present
Wk Si

Es LO.7

LAF- O--8

96.6 - 97.3 broken limonite core Fault Zone*

FALT OL--6 L--7

97.3 - 100.5
chloritic feldspar-hornblende phyric andesite

LAF- OL-8

Limonitic joint surfaces common

Calcite veins + microveinlets commonly leached.

Es LAF. OLH7

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No 11NO13

SHEET 6 OF 26

— Bedding
⌴ Cleavage
— Foliation
~~~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

PROJECT	: BASIN LAKE EL 14/93
PROSPECT	:
DATE	:
LOGGED BY	:

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION (SIL. SER. PY. Carb Hm Chl Lim) | GEOLOGY NOTES | SUMMARY (Formation ROCK ALTERATION)

100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120

HQ NQ

100.5 - 111.5
chl - hm altered green-purple feld-hbl phyric andesite with limonite joint surfaces. leached carbonate veins common

111.5 - 139.95
Variably Chlorite - hem - ser altered feld - hbl phyric andesite. Abundant carbonate microveins + veinlets often forming small breccia zones 1-3 cm wide and commonly parallel to weak Si.

Wk Si 50

Wk Si 60

Wk-Mod broken

REMARKS

96598 CHCT

RGC EXPLORATION PTY LTD

DRILL HOLE No TUNO13

SHEET 7 OF 26

PROJECT	: BASIN LAKE EL 16/93
PROSPECT	:
DATE	:
LOGGED BY	:

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
Visible gold

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION (SIL. SER. Py. Carb Hem CHL Lim Epid) | GEOLOGY NOTES | SUMMARY (Formation ROCK ALTERATION)

120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140

30 Lith
70 Lith

Ca
LAF-
OHC7

5cm wide Qtz-epid vein at 60° to CA
cm wide Qtz-carb-epid vein at 60° to CA

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No TUNO13

SHEET 8 OF 26

PROJECT	: BASIN LAKE EL 16/93
PROSPECT	:
DATE	:
LOGGED BY	:

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
Visible gold

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION (SIL. SER. Py. Carb Hem CHL Lim) | GEOLOGY NOTES | SUMMARY (Formation ROCK ALTERATION)

140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160

45 Lith

139-95-140.05 Qtz-carb-chl-epid vein at 60° to LCA.

>140.05 change in alteration style. Start of patchy Alb-chl-hem-carb alt?

chl alteration - pervasive + some late veining

Alb - generally characterised by presence of pink felsic phenos + pink colouration to groundmass

Carb - ubiquitous veining + microveinlets (white - pale pink)
Polyphase
A) hydrothermal jigsaw fit breccia
B) + cutting veins
C) remobilised Alb, commonly displays dominant S, or fault direction

Ca
LAF-
OACB

REMARKS

36054

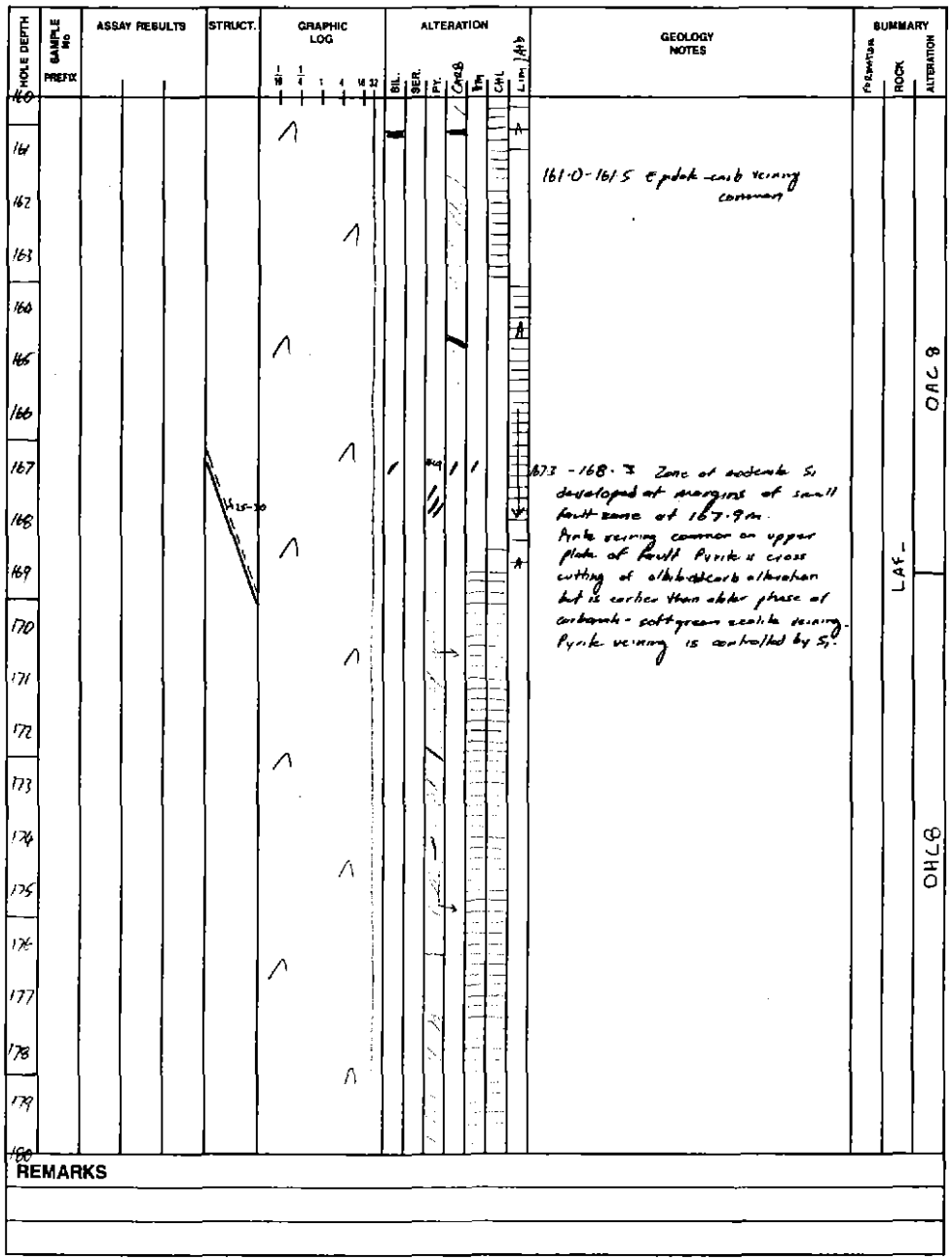
RGC EXPLORATION PTY LTD

DRILL HOLE No TJNO13

SHEET 9 OF 26

PROJECT :	BASIN LAKE EL 14/93
PROSPECT :	
DATE :	
LOGGED BY :	

— Bedding
⌊ Cleavage
▲ Foliation
~~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold



REMARKS

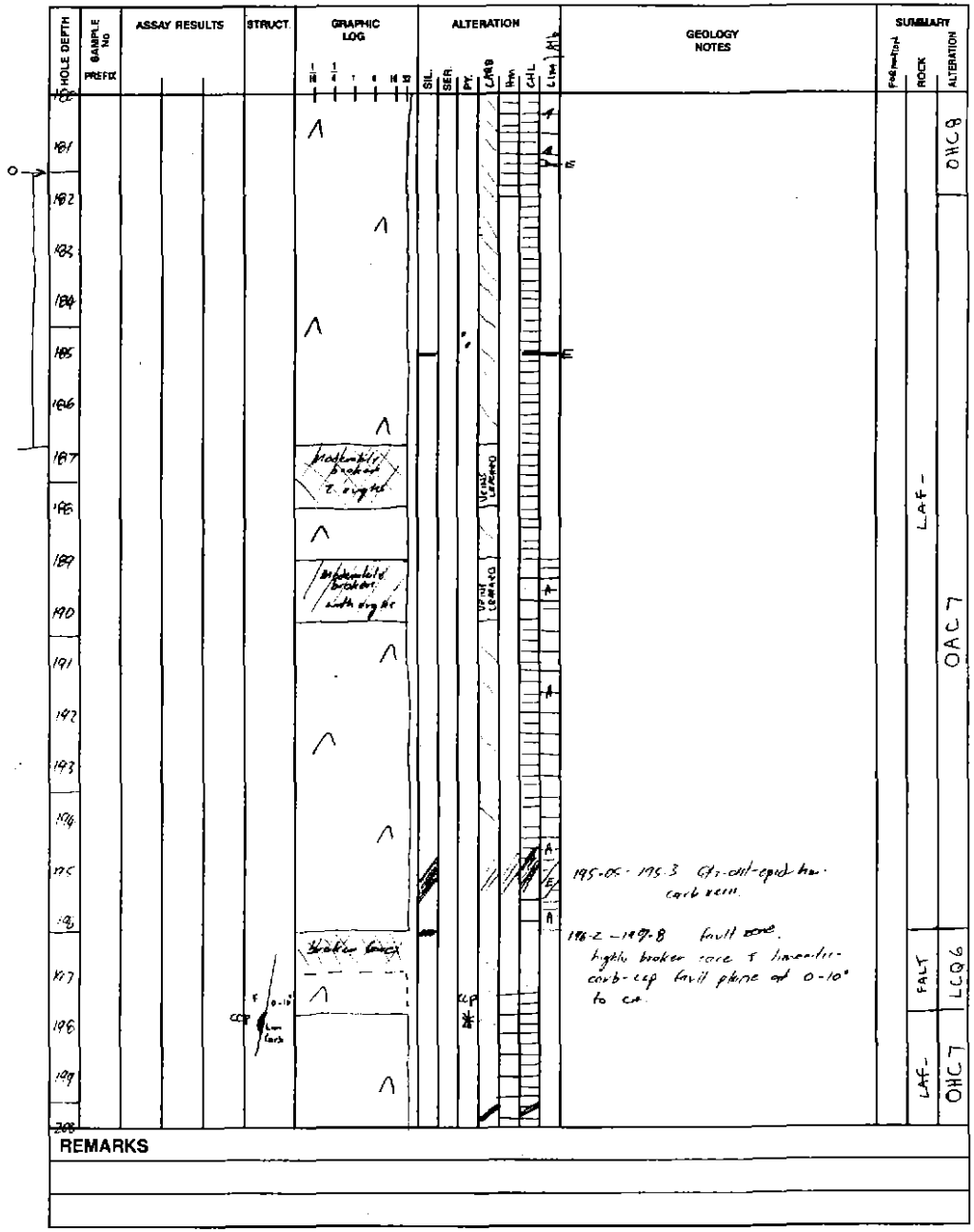
RGC EXPLORATION PTY LTD

DRILL HOLE No TJNO13

SHEET 10 OF 26

PROJECT :	BASIN LAKE EL 14/93
PROSPECT :	
DATE :	
LOGGED BY :	

— Bedding
⌊ Cleavage
▲ Foliation
~~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold



REMARKS

36505

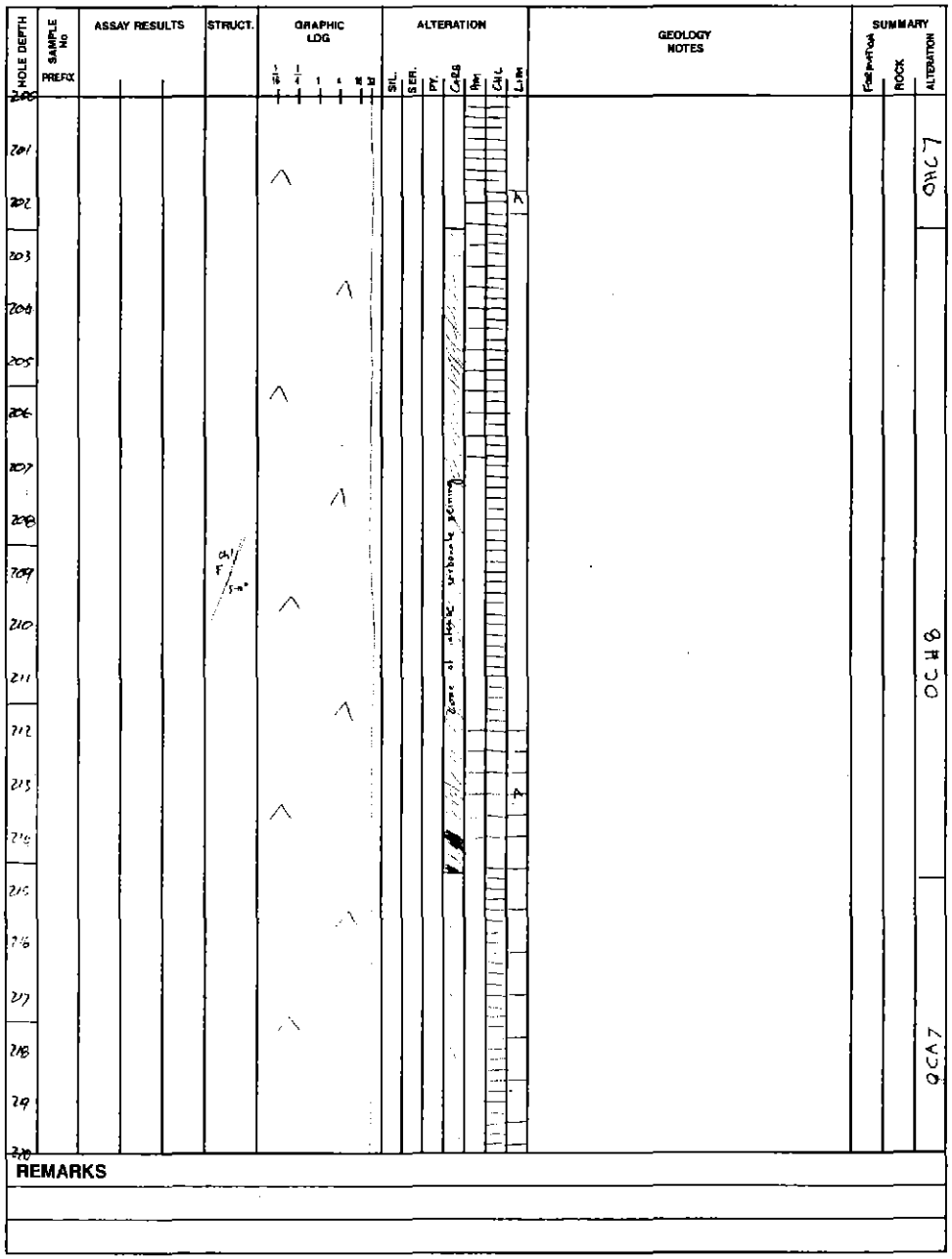
RGC EXPLORATION PTY LTD

DRILL HOLE No TJNO13

SHEET 11 OF 26

PROJECT :	BASIN LAKE EL 14/93
PROSPECT :	
DATE :	
LOGGED BY :	

— Bedding
⌴ Cleavage
— Foliation
~~~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold



REMARKS

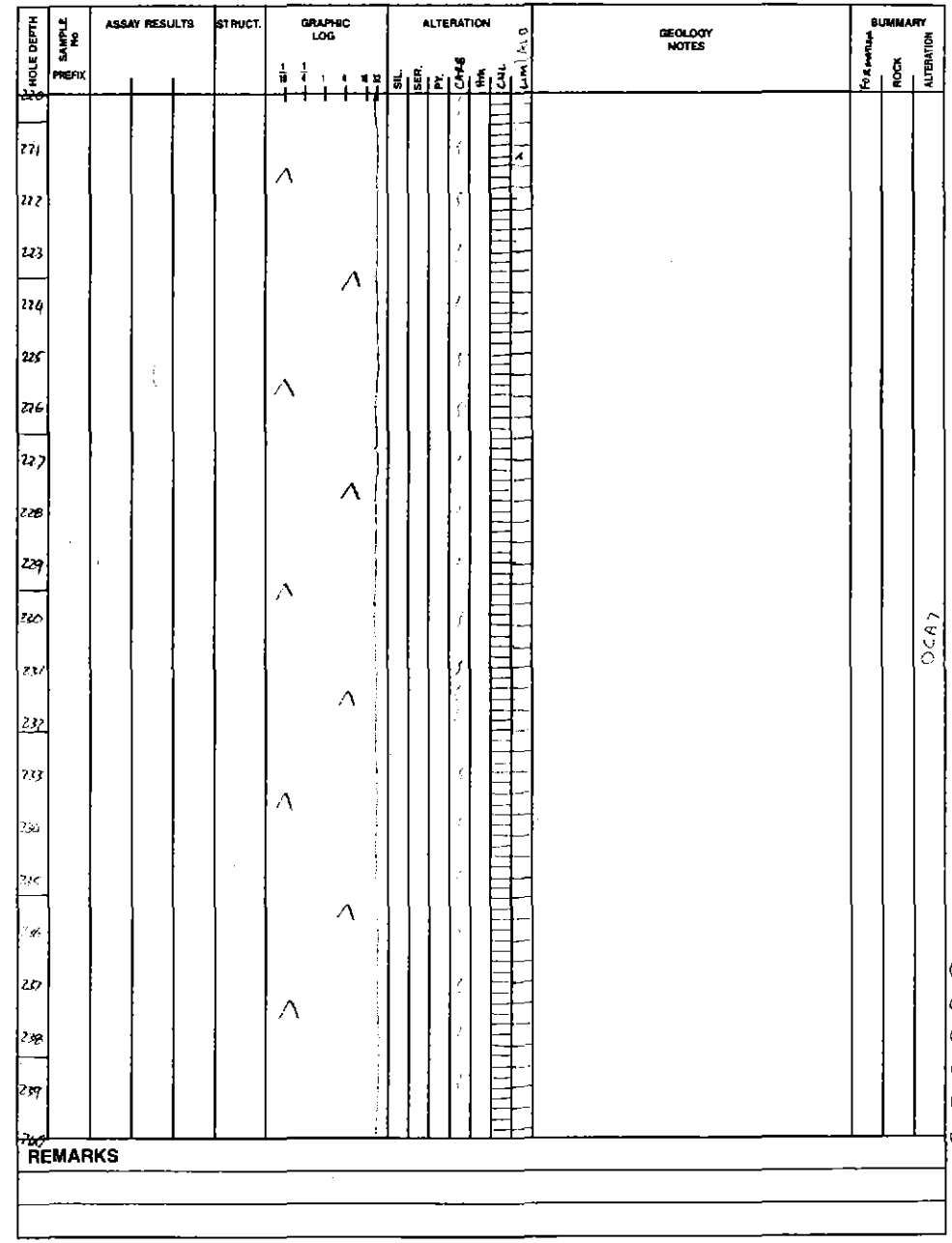
RGC EXPLORATION PTY LTD

DRILL HOLE No TJNO13

SHEET 12 OF 26

PROJECT :	BASIN LAKE EL 14/93
PROSPECT :	
DATE :	
LOGGED BY :	

— Bedding
⌴ Cleavage
— Foliation
~~~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold



REMARKS

365056

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN013

SHEET 13 OF 26

PROJECT	: BASIN LAKE EL 14/93
PROSPECT	:
DATE	:
LOGGED BY	:

Bedding · Cleavage · Foliation · Fault, Shear · Breccia · Broken core · Disseminated · Massive · Pervasive · Narrow vein · * Visible gold

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY ROCK | SUMMARY ALTERATION

250 251 252 253 254 255 256 257 258 259 260

OCA7

EOA6

250-2 – 266.3
Zone of pervasive + veining of epidote-chl-albit alteration
Hbl phenos very obvious within this alteration type

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN013

SHEET 14 OF 26

PROJECT	: BASIN LAKE EL 14/93
PROSPECT	:
DATE	:
LOGGED BY	:

Bedding · Cleavage · Foliation · Fault, Shear · Breccia · Broken core · Disseminated · Massive · Pervasive · Narrow vein · * Visible gold

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY ROCK | SUMMARY ALTERATION

260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280

EOA6

OC-6

REMARKS

365057

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN013

SHEET 15 OF 26

PROJECT	: BASIN LAKE EL 4/93
PROSPECT	:
DATE	:
LOGGED BY	:

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION (SIL. SER. Py Carb Mn Chl Alb) | GEOLOGY NOTES | SUMMARY ROCK ALTERATION

280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300

284.5-288 light grey-cream silicified- altritic Andesite ± relatively abundant Qtz-Carb veining

296.5-299.5 Possible fault ± shear defined by steeply dipping Silicified high angle carbonate

QC-6
QOA 7
QC-6
QMS
HOCS

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN013

SHEET 16 OF 26

PROJECT	: BASIN LAKE EL 4/93
PROSPECT	:
DATE	:
LOGGED BY	:

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION (SIL. SER. Py Carb Mn Ep+Ch Cal Alb) | GEOLOGY NOTES | SUMMARY ROCK ALTERATION

300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320

HOCS

REMARKS

36505

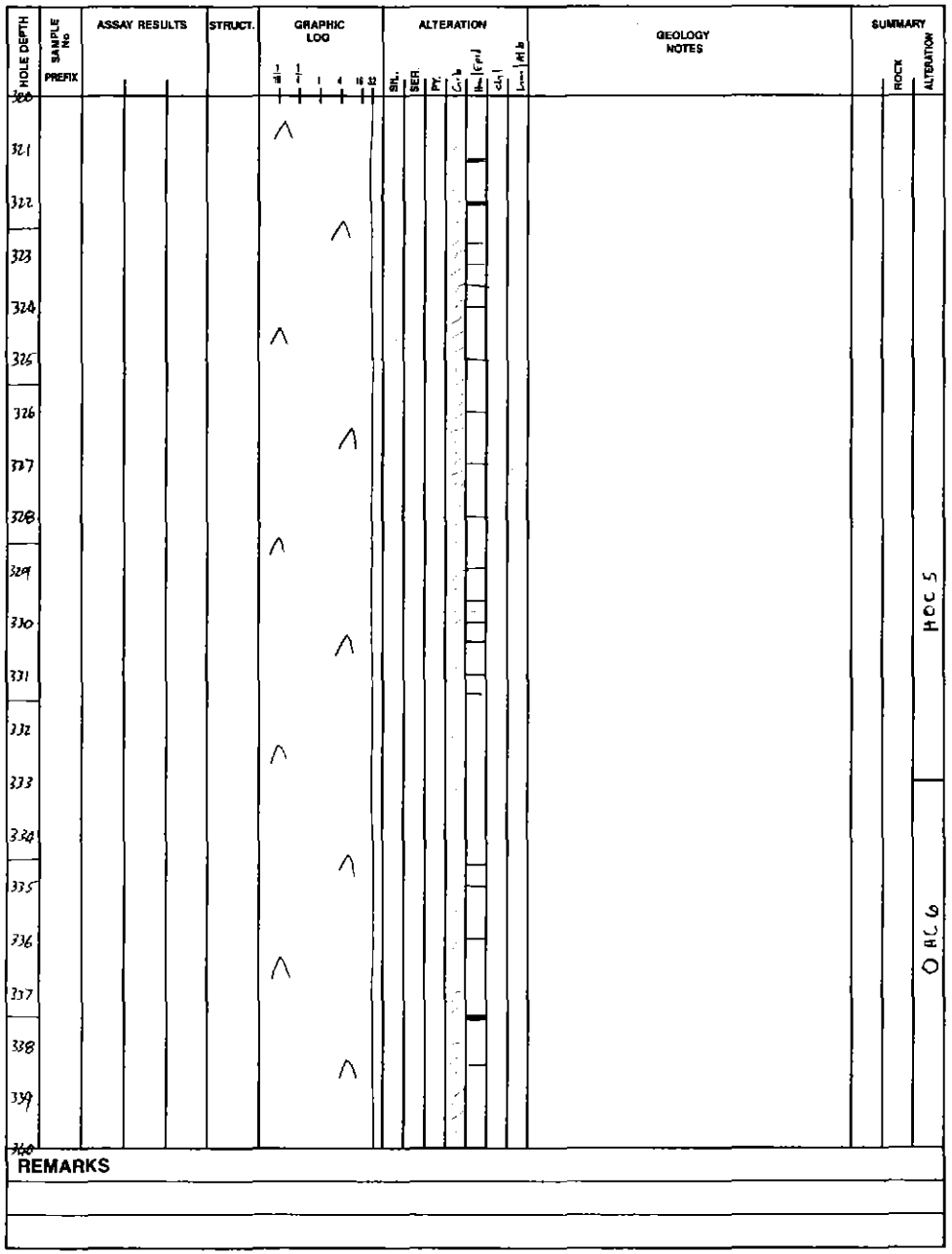
RGC EXPLORATION PTY LTD

DRILL HOLE No TYN 013

SHEET 17 OF 26

PROJECT	: BASIN LAKE EL 14/93
PROSPECT	:
DATE	:
LOGGED BY	:

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold



REMARKS

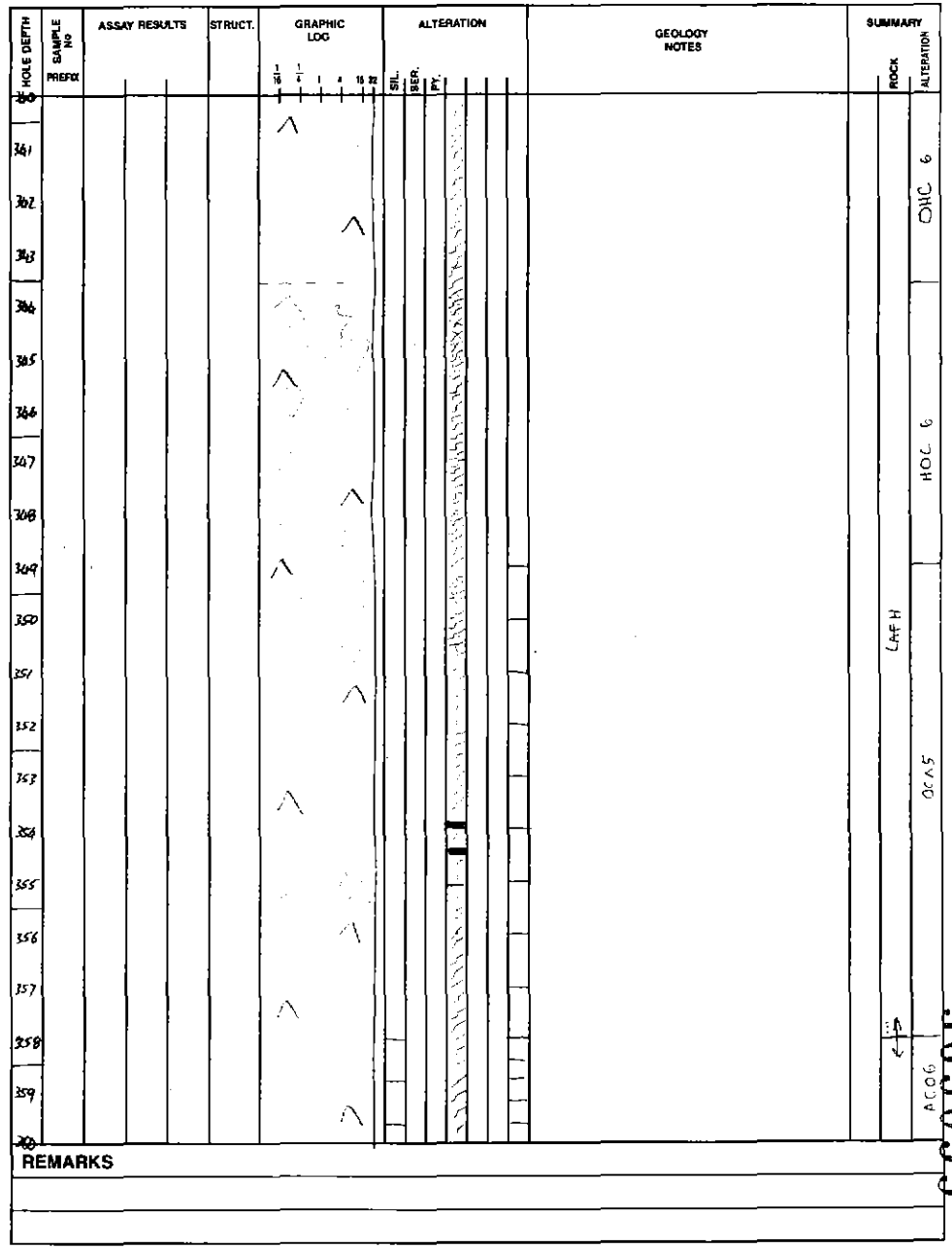
RGC EXPLORATION PTY LTD

DRILL HOLE No TYN 013

SHEET 18 OF 26

PROJECT	: BASIN LAKE EL 14/93
PROSPECT	:
DATE	:
LOGGED BY	:

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold



REMARKS

36509

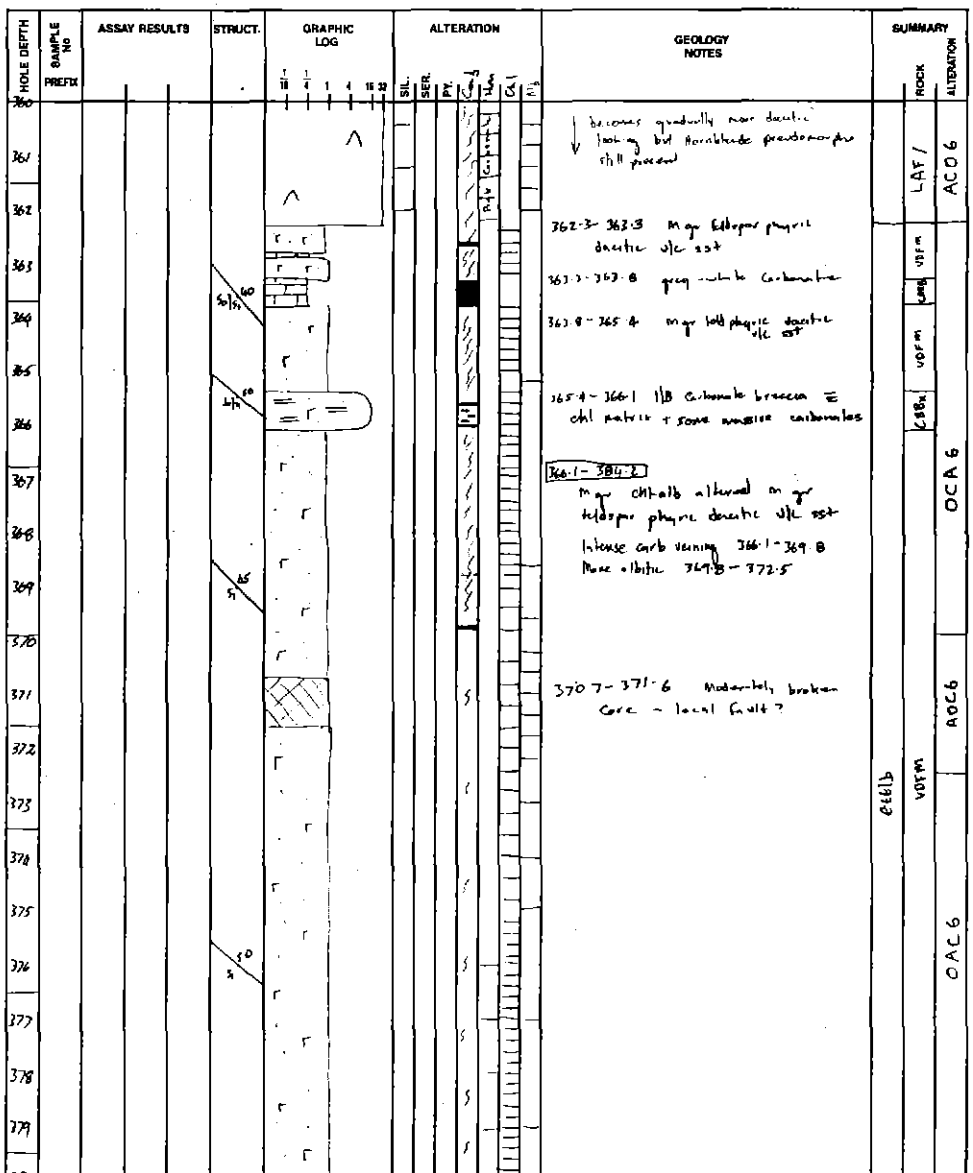
RGC EXPLORATION PTY LTD

DRILL HOLE No TYN013

SHEET 19 OF 26

PROJECT	BASIN LAKE EL 14/93
PROSPECT	
DATE	
LOGGED BY	

Bedding · Cleavage · Foliation · Fault, Shear · Breccia · Broken core
Disseminated · Massive · Pervasive · Narrow vein · * Visible gold



REMARKS

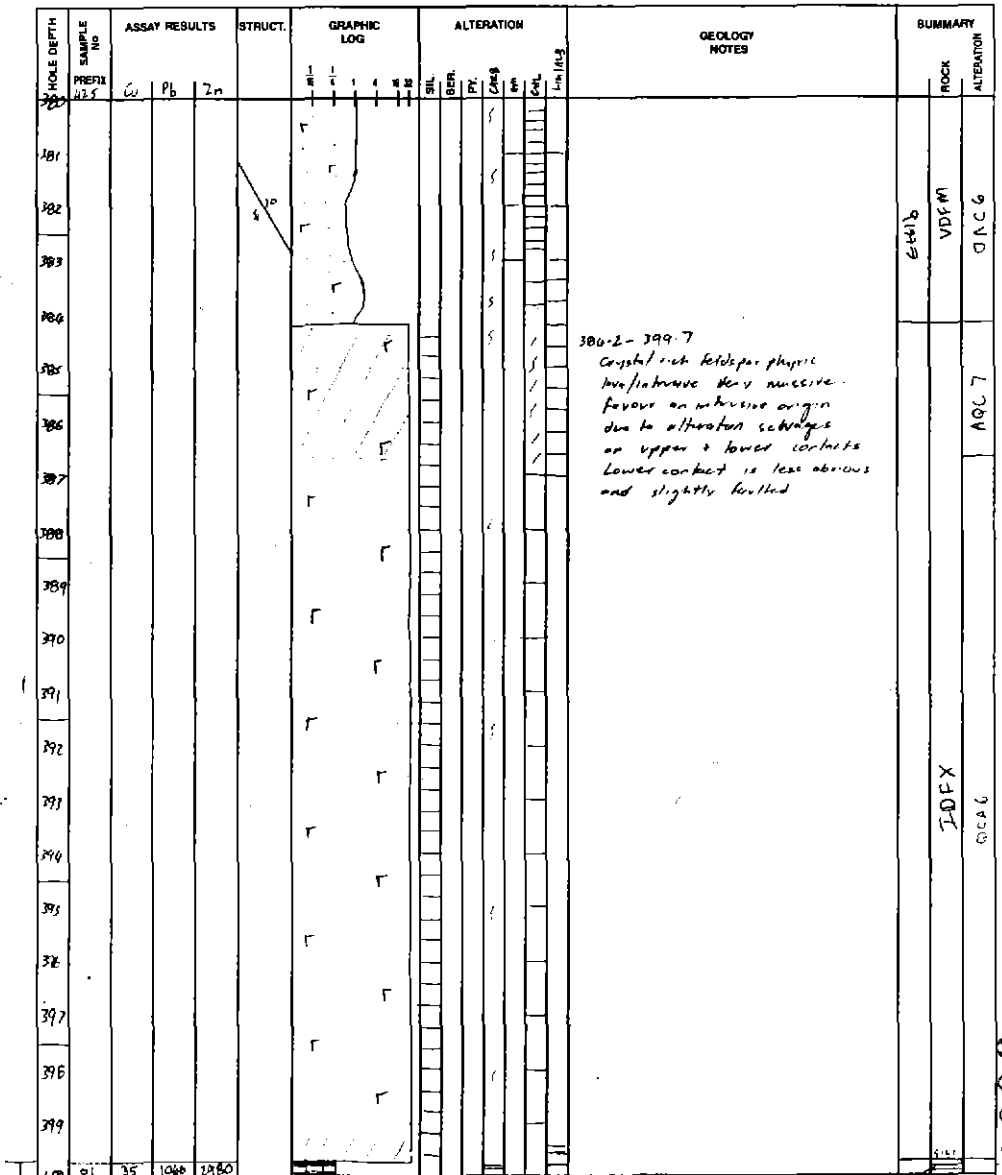
RGC EXPLORATION PTY LTD

DRILL HOLE No TYN013

SHEET 20 OF 26

PROJECT	BASIN LAKE EL 14/93
PROSPECT	
DATE	
LOGGED BY	

Bedding · Cleavage · Foliation · Fault, Shear · Breccia · Broken core
Disseminated · Massive · Pervasive · Narrow vein · * Visible gold



REMARKS

365060

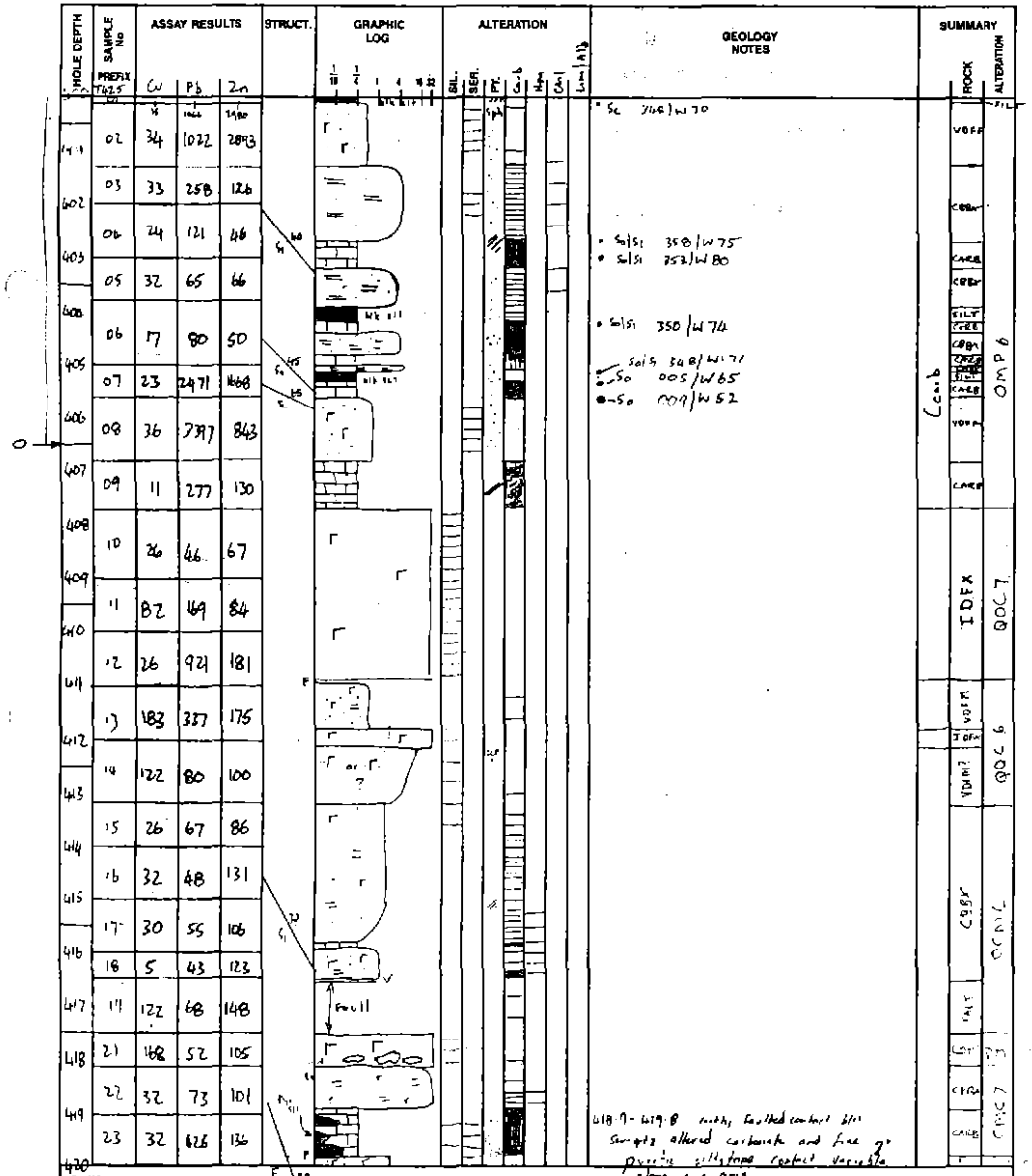
RGC EXPLORATION PTY LTD

DRILL HOLE No TJNO15

SHEET 2 OF 26

PROJECT	: BASIN LAKE EL 14/93
PROSPECT	:
DATE	:
LOGGED BY	:

— Bedding
⌐ Cleavage
— Foliation
~~~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold


HOLE DEPTH
SAMPLE No
PREFIX TJ425
ASSAY RESULTS
Cu
Pb
Zn
STRUCT.
GRAPHIC LOG
ALTERATION
GEOLOGY NOTES
SUMMARY
ROCK
ALTERATION
01 34 1032 2893
02 34 1032 2893
03 33 258 126
04 24 121 46
05 32 65 66
06 17 80 50
07 23 2471 1668
08 36 7317 843
09 11 277 130
10 26 46 67
11 82 169 84
12 26 921 181
13 183 337 175
14 122 80 100
15 26 67 86
16 32 48 131
17 30 55 106
18 5 43 123
19 122 68 1148
21 168 52 105
22 32 73 101
23 32 626 136
Fault
OMP 6
QOC 7
QOC 6
QOC 5
CBBX
CHRT
CHRT
CHRT
~~~

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN013

SHEET 23 OF 26

PROJECT	: BASIN LANE EL 14/93
PROSPECT	:
DATE	:
LOGGED BY	:

Bedding · Cleavage · Foliation · Fault, Shear · Breccia · Broken core · Disseminated · Massive · Pervasive · Narrow vein · * Visible gold

HOLE DEPTH	SAMPLE No PREFIX TYN25	ASSAY RESULTS Cu	Pb	Zn	STRUCT.	GRAPHIC LOG	ALTERATION SIL SER PY Ca1 Ab1 Chl Alb	GEOLOGY NOTES	SUMMARY ROCK	ALTERATION
460										
461	45	99	79	75					CARB VDFM	CON 7
462	46	16	55	54						
	47	29	58	96						
463	48	13	44	142				426-443.5 Possible fault zone	IRCB	HCO 6
464	49	34	53	62				443.5-445.5 Chloritic hyaloclastite with red-brown matrix. (Pegmatite ?)		PAC 6
465								445-462.7 Variably albite-chl altered feldsp-qtz phyric rhyolite intrusive. Upper contact chilled.		AC 7
466										
467									IRC	OCA 7
468										
469										
470										
471										
472										
473										
474										
475										
476										
477										
478										
479										
480										

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN013

SHEET 24 OF 26

PROJECT	: BASIN LANE EL 14/93
PROSPECT	:
DATE	:
LOGGED BY	:

Bedding · Cleavage · Foliation · Fault, Shear · Breccia · Broken core · Disseminated · Massive · Pervasive · Narrow vein · * Visible gold

HOLE DEPTH	SAMPLE No PREFIX TYN25	ASSAY RESULTS Cu	Pb	Zn	STRUCT.	GRAPHIC LOG	ALTERATION SIL SER PY Ca1 Ab1 Chl Alb	GEOLOGY NOTES	SUMMARY ROCK	ALTERATION
460										
461									CLAY	IRZ-
462								462.7-469.6 Yellow-green-grey f-gr feldspar phyric volcaniclastic sandstone and ashy siltstone		ACCS
463	50	13	213	324						
464	51	44	60	117				464.2-466.25 and 466.95-468.97 feldspar phyric amygdaloidal dykes.		
465	52	111	1512	260						
466	53	104	2106	130					VDFF	MOP 7
467	54	81	923	596						
468	55	136	942	267						
469	56	58	275	173						
470								469.6-477.10 M-f gr feldspar phyric dacitic volcaniclastic sandstone. Relatively strong-moderate Si. Patchy chl-ser-(alb-qtz) alteration		
471										
472										
473										
474										
475										
476										
477								477.1-477.9 Grey-white siltstone	PHYL	VDFM
478								477.1-479.8 Fine gr feldspar phyric dacitic volcaniclastic wkt + siltst		OM-6
479										
480								479.8-480.2 Green-grey ashy siltstone		VDFM

REMARKS

365062

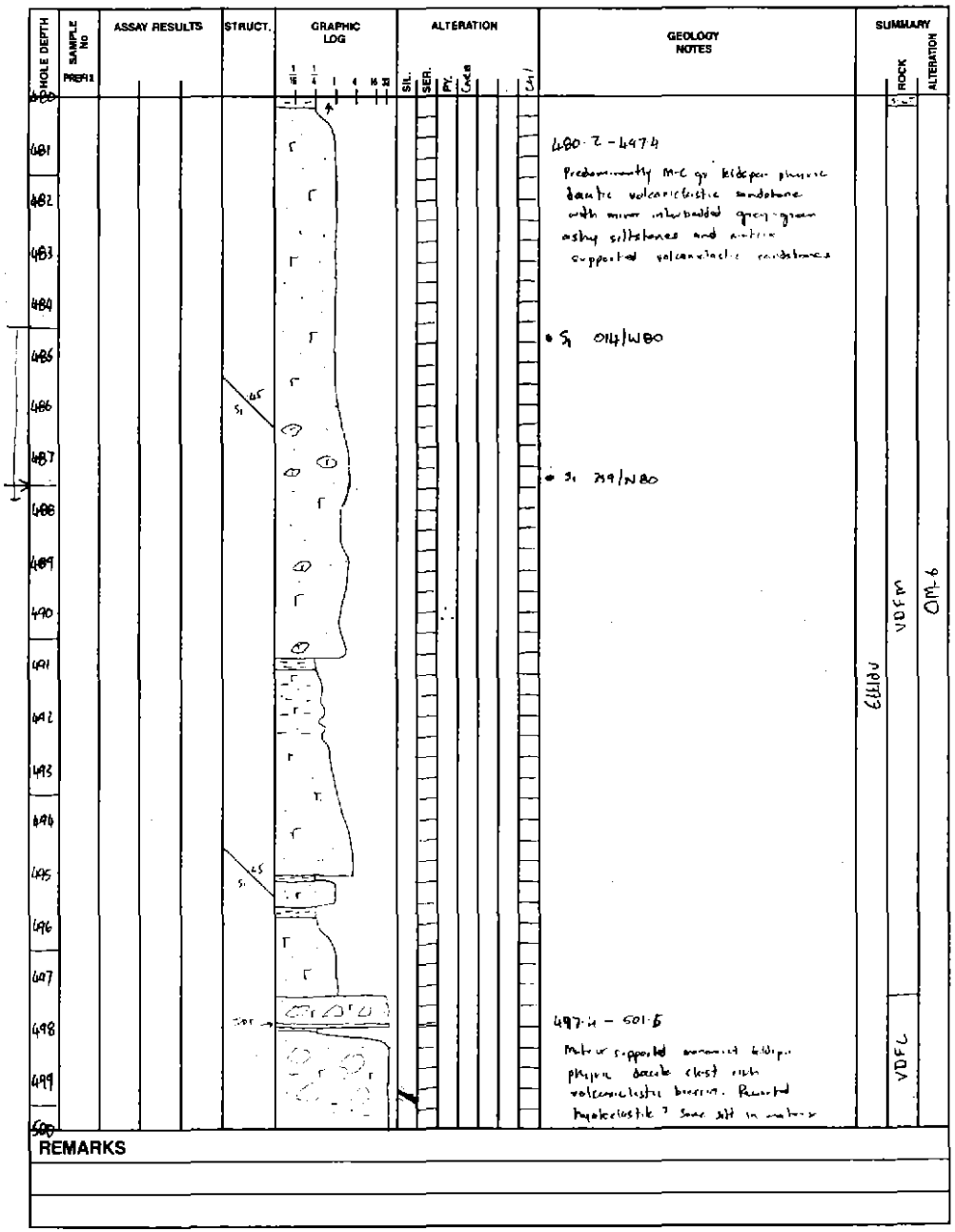
RGC EXPLORATION PTY LTD

DRILL HOLE No TYN013

SHEET 25 OF 26

PROJECT	BASIN LAKE EL 14/93
PROSPECT	
DATE	
LOGGED BY	

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
Visible gold



REMARKS

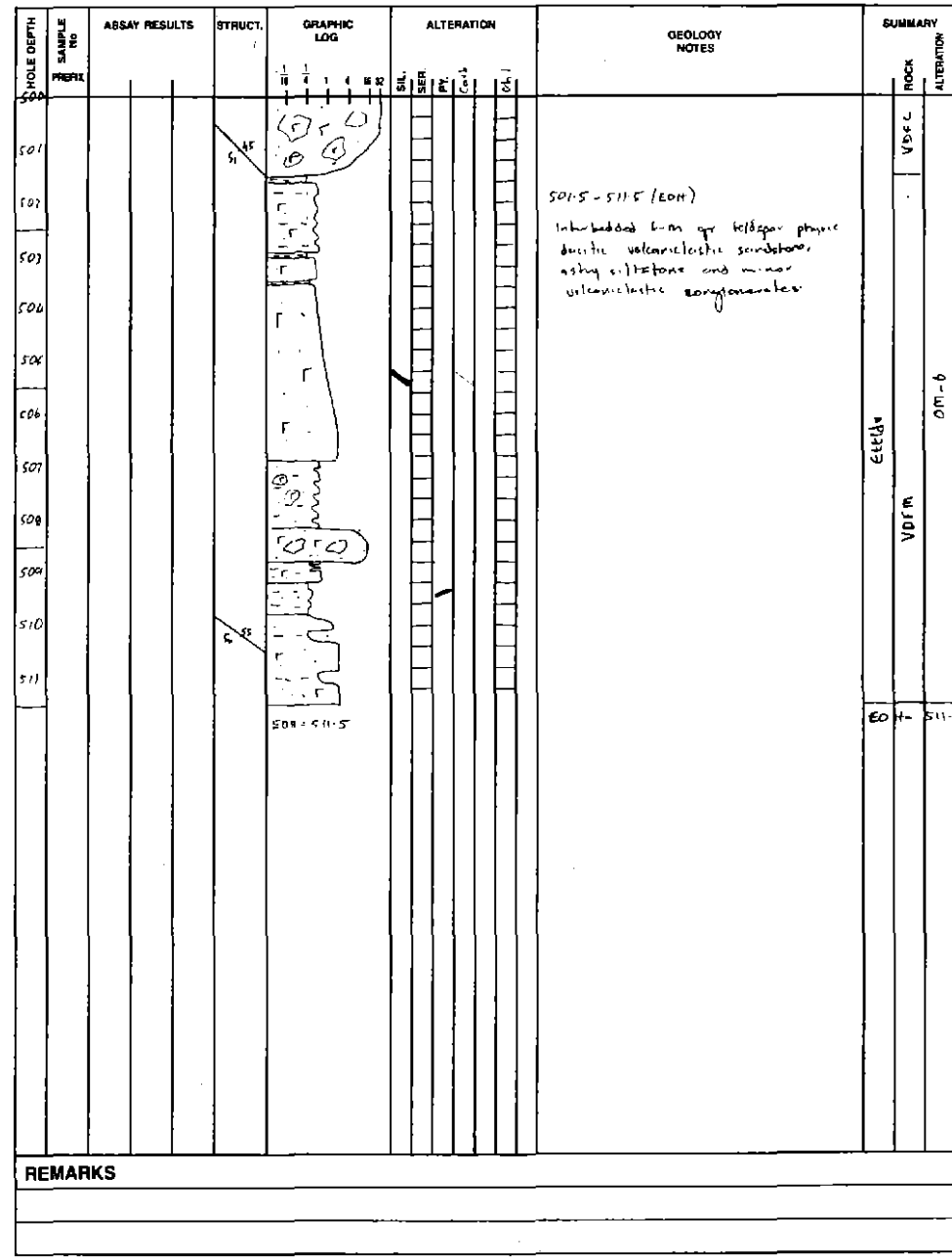
RGC EXPLORATION PTY LTD

DRILL HOLE No TYN013

SHEET 26 OF 26

PROJECT	BASIN LAKE EL 14/93
PROSPECT	
DATE	
LOGGED BY	

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
Visible gold



REMARKS

3650063

APPENDIX 3

TYN014 Drill log and Assays

RGC EXPLORATION DRILL HOLE RECORD

HOLE NUMBER	TYN014	**DRILLED BY**	DDTAS
PROJECT	Basin Lake	**NORTHING**	5353602.92
PROSPECT	Basin Lake	**EASTING**	55 380998.75
DESIGNED BY	Michael Vicary	**RL**	570m
LOGGED BY	Michael Vicary	**INCLINATION**	-87
COMMENCED	2 - 7 - 1996	**AZIMUTH**	090 AMG
FINISHED	3 - 9 - 1996	**EOH**	790.5m

PURPOSE

TYN014 was planned to test the northern extension of the sericite-pyrite alteration zone intersected in hole TYN011. The hole was collared 250m to the north of TYN011 and designed to intersect the the Anthony Road Andesite - Central Volcanic Sequence contact at about 450m, thus testing the target horizon between 180 and 280m down dip from the TYN011 intersection.

SURVEY DATA

DEPTH	INC.	AZ.	DEPTH	INC.	AZ.	DEPTH	INC.	AZ.
0m	-87	090	301	-85	078	570	-80.5	074
30	-87	097	331	-84.5	088	600	-79	075
60	-86.5	098	361	-85	083	615	-77	078
90	-87	106	391	-85	085	645	-76	077
120	-87	096	421	-85	084	690	-74.5	076
150	-86	087	451	-84.5	079	720	-73.5	077
180	-86	086.5	469	-82.5	080	750	-73	079
210	-85.5	083	481	-82	082	780	-71	080
240	-85	076	511	-81.5	078			
270	-85	080	540	-81	077			

DRILLING DATA

HOLE SIZE	DEPTH	COMMENTS
PQ	0 - 20.3	
HQ	20.3 - 138.0	
NQ	138.0 - 659.8	Hole cased with PVC to end of NQ
BQ	659.8 - 790.5	

SUMMARY

Summary Log:-			
0	to	42m	Glacials
42	to	615.2	Anthony Road Andesite - predominantly feldspar-hornblende phyric andesite lava with minor carbonate matrix rich andesitic volcaniclastic sediment (reworked hyaloclastic breccia)
615.2	to	744.0	Target Horizon - interbedded dacitic volcaniclastic sediments and lavas.
744.0	to	790.5	Feldspar-quartz phyric rhyolite intrusive/lava.

TYN014 intersected the Target Horizon at about 615.2m. This suggests that the target Horizon dips between 75 and 80 degrees to the west. This is steeper than the 70 degree dip determined from TYN011. Only minor hematitic carbonates were developed at the contact.

TYN014 SUMMARY LOG:-

0	to	41.9m	*Glacials*
41.9	to	44.7	Anthony Road Andesite - feldspar-hornblende phyric andesite, Lim-Chl altered
44.7	to	52.5	Black pyritic siltstone
52.5	to	127.5	Anthony Road Andesite - feldspar-hornblende phyric andesite, Chl-Epid altered and strongly broken. Pyrite veinlets common.
127.5	to	127.6	Fault
127.6	to	136.5	Massive grey-white Carbonate. Minor pyrite.
136.5	to	140.3	*Feldspar-hornblende phyric andesite*
140.3	to	141.5	Massive Carbonate
141.5	to	151	Coherent feldspar-hornblende phyric andesite with 10% carbonate microveining
151	to	157.2	Andesite breccia/hyaloclastite with 10% carbonate matrix
157.2	to	160	Interbedded massive carbonate and coherent Andesite. 2% pyrite in carbonate.
160	to	176.1	Coherent feldspar-hornblende phyric andesite with very intense (up to 15%) breccia forming white-pink carbonate veining and microveining.
176.1	to	221.6	Coherent chlorite-hematite-epidote altered feldspar-hornblende phyric andesite. <2% carbonate veining.
221.6	to	228.8	Interbedded matrix supported resedimented andesitic hyaloclastite breccia and volcaniclastic sandstone. 60% carbonate matrix.
228.8	to	235.5	Chl-epid altered coherent feldspar-hornblende phyric andesite
235.5	to	242.8	Granule to pebble monomictic andesitic volcaniclastic conglomerate with fine grained reworked carbonate matrix rich top.
242.8	to	295.0	Chl-epid altered coherent feldspar-hornblende phyric andesite
295.0	to	296.2	Interbedded fine to medium grained andesitic volcaniclastic sandstone and andesitic volcaniclastic sandstone with a carbonate rich matrix
296.2	to	305.9	Granule to pebble grade andesitic volcaniclastic conglomerate with minor carbonate matrix supported conglomerate
305.9	to	309.1	Carbonate matrix rich medium grained andesitic volcaniclastic sandstone
309.1	to	311.3	Interbedded carbonate rich andesitic volcaniclastic sandstone and conglomerate
311.3	to	322.6	Interbedded medium to coarse grained andesitic volcaniclastic sandstone and granule to pebble volcaniclastic conglomerate
322.6	to	323.9	Medium to coarse grained volcaniclastic sandstone with 10% carbonate matrix
323.9	to	327.0	Feldspar-hornblende phyric andesite
327.0	to	328.9	Interbedded coarse grained andesitic volcaniclastic sandstone and conglomerate
328.9	to	329.4	Carbonate matrix rich fine to medium grained andesitic volcaniclastic sandstone
329.4	to	363.7	Coherent feldspar-hornblende phyric andesite lava with hematite and pink carbonate matrix from 344.7 to 363.7m.
363.7	to	365.9	Interbedded carbonate matrix rich andesitic volcaniclastic sandstone and conglomerate
365.9	to	367.3	Feldspar-hornblende phyric andesite
367.3	to	369.6	Interbedded carbonate matrix rich reworked andesitic volcaniclastic sandstone and conglomerate
369.6	to	370.2	Feldspar-hornblende phyric andesite
370.2	to	373.4	Carbonate matrix rich andesitic volcaniclastic sandstone
373.4	to	448.0	Coherent feldspar-hornblende phyric andesite with red hematite stockwork from 433 to 448m.
448.0	to	459.1	Coherent crystal rich feldspar- phyric andesite with red hematite stockwork from 448 to 455m.
459.1	to	498.6	Feldspar-hornblende phyric andesite lava breccia/hyaloclastite
498.6	to	505.8	Coherent feldspar-hornblende phyric andesite lava
505.8	to	523.1	Interbedded feldspar-hornblende phyric andesite lava and breccia
523.1	to	527.7	Andesitic volcaniclastic sandstone or andesite lava ?
527.7	to	531.5	*Interbedded fine to medium grained andesitic volcaniclastic sandstone with minor* andesite lava breccia
531.5	to	615.3	Interbedded feldspar-hornblende phyric andesite lava and breccia
615.3	to	618.0	Fine to medium grained andesitic to dacitic volcaniclastic sandstone
618.0	to	624.0	Coherent feldspar-hornblende phyric andesite with minor interbedded dacitic volcaniclastic sandstone
624.0	to	627.0	Fine to medium grained feldspar phyric dacitic volcaniclastic sandstone. Crystal rich at base.
627.0	to	627.6	Hematitic carbonates with interbedded dacitic volcaniclastic sandstones
627.6	to	647.5	Fine to medium grained feldspar phyric dacitic volcaniclastic sandstone
647.5	to	648.2	Pughy fault
648.2	to	744.0	Fine to medium grained feldspar phyric dacitic volcaniclastic sandstone with minor interbedded dacitic lavas at 690.2 - 691.1, 691.5 - 696.2 and 702.4 - 704.4m.
744.0	to	781.5	Coherent feldspar - quartz phyric rhyolite, possibly intrusive
781.5	to	790.5(EOH)	Interbedded coarse grained quartz -feldspar phyric rhyolitic volcaniclastic sandstone and matrix supported rhyolitic volcaniclastic conglomerate with subangular clasts

SAMPLE	HOLE	DEPTHF	DEPTHT	CU_A	PB_A	ZN_A	BA_A	MN_A	AG_A	AU_G
42557	TYN014	43.5	44	117	389	457	691	445	2	-0.008
42558	TYN014	44	44.7	132	80	480	858	351	3	-0.008
42559	TYN014	44.7	45.5	65	46	190	878	204	2	-0.008
42561	TYN014	45.5	46.5	83	73	204	901	209	2	-0.008
42562	TYN014	46.5	47.5	84	64	175	677	174	2	-0.008
42563	TYN014	47.5	48.5	82	68	179	863	150	2	0.014
42564	TYN014	48.5	49.5	75	49	159	805	160	2	0.012
42565	TYN014	49.5	51.4	62	59	150	805	191	2	0.013
42566	TYN014	51.4	52.5	77	56	208	453	247	-2	0.009
42567	TYN014	52.5	53.5	74	80	278	455	908	2	-0.008
42568	TYN014	82.5	85.5	91	-5	160	1375	601	2	-0.008
42569	TYN014	85.5	88.1	66	-5	88	911	582	-2	0.014
42570	TYN014	88.1	90.3	33	-5	90	577	667	-2	-0.008
42571	TYN014	90.3	91.5	42	-5	94	985	648	-2	0.029
42572	TYN014	91.5	94.5	87	-5	88	860	622	2	-0.008
42573	TYN014	94.5	97.3	66	-5	69	1320	530	-2	-0.008
42574	TYN014	97.3	99.9	62	-5	73	570	620	-2	-0.008
42575A	TYN014	99.9	101.1	52	-5	76	456	674	-2	-0.008
42576	TYN014	101.1	103	43	-5	72	624	628	-2	-0.008
42577	TYN014	103	104.3	79	-5	79	531	693	-2	-0.008
42578	TYN014	104.3	105.7	64	-5	77	630	780	-2	-0.008
42579	TYN014	105.7	107.4	109	20	94	924	1942	2	-0.008
42581	TYN014	107.4	108.5	72	23	99	808	668	2	-0.008
42582	TYN014	108.5	109.5	112	8	97	1500	865	2	-0.008
42583	TYN014	109.5	111.2	96	5	86	2285	790	-2	-0.008
42584	TYN014	111.2	112.5	107	7	117	2595	849	-2	-0.008
42585	TYN014	112.5	114	101	6	136	1175	547	2	-0.008
42586	TYN014	114	115.5	76	-5	124	1525	668	-2	-0.008
42587	TYN014	115.5	117.3	109	13	105	771	436	-2	-0.008
42588	TYN014	117.3	118.1	71	-5	106	1210	665	-2	-0.008
42589	TYN014	118.1	120.2	62	10	129	468	867	-2	-0.008
42590	TYN014	120.2	124.1	17	26	189	789	916	2	-0.008
42591	TYN014	124.1	125.6	34	-5	198	232	811	-2	-0.008
42592	TYN014	125.6	127.5	81	8	162	382	786	-2	-0.008
42593	TYN014	128	129	26	-5	27	25	1256	2	-0.008
42594	TYN014	129	130	25	-5	46	109	1326	2	-0.008
42595	TYN014	130	131	27	10	37	36	1320	-2	-0.008
42596	TYN014	131	132	19	7	22	140	1126	-2	-0.008
42597	TYN014	132	133	33	30	26	234	830	2	-0.008
42598	TYN014	133	134	17	-5	35	152	886	2	-0.008
42599	TYN014	134	135	17	-5	35	110	796	-2	-0.008
43138	TYN014	135	136	24	5	35	27	834	2	-0.008
43139	TYN014	136	136.5	22	5	34	11	857	2	-0.008
43140	TYN014	440	441	60	52	254	1495	757	2	-0.008
43141	TYN014	442	443	47	70	523	769	1035	2	-0.008
43142	TYN014	447	448	67	33	418	1055	854	2	-0.008
43143	TYN014	448	449	28	34	669	273	983	2	-0.008
43144	TYN014	454	455	34	49	202	160	607	-2	-0.008
43145	TYN014	455	456	11	25	531	330	808	-2	-0.008
43146	TYN014	456	457	80	52	339	163	775	4	-0.008
43147	TYN014	610	611	18	51	30	239	1047	2	-0.008
43148	TYN014	611	612	32	49	440	244	1106	2	-0.008
43149	TYN014	612	613	47	41	413	174	1147	-2	-0.008
43150	TYN014	613	614	26	32	334	156	835	-2	-0.008
43151	TYN014	614	615	22	31	483	112	114	-2	-0.008
43152	TYN014	615	616	106	31	518	102	1268	2	-0.008
43153	TYN014	616	617	-4	27	458	113	1236	-2	-0.008
43154	TYN014	617	618	4	34	562	371	1318	2	-0.008
43155	TYN014	618	619	16	26	709	98	1402	2	-0.008
43156	TYN014	619	620	14	8	888	158	1421	2	-0.008

SAMPLE	HOLE	DEPTHF	DEPTHT	CU_A	PB_A	ZN_A	BA_A	MN_A	AG_A	AU_G
43157	TYN014	620	621	39	9	770	124	1186	-2	-0.008
43158	TYN014	621	622	68	11	644	209	1242	-2	-0.008
43159	TYN014	622	623	38	24	791	387	1382	2	-0.008
43161	TYN014	623	624	34	24	889	91	1429	2	-0.008
43162	TYN014	624	625	111	25	651	129	1336	2	-0.008
43163	TYN014	625	626	178	15	446	108	1187	2	-0.008
43164	TYN014	626	627	20	5	434	193	1093	-2	-0.008
43165	TYN014	627	627.6	47	-5	267	65	1739	2	-0.008
43166	TYN014	627.6	628	5	10	525	52	1148	2	0.014
43167	TYN014	628	629	-4	-5	534	461	918	2	-0.008
43168	TYN014	629	630	-4	-5	49	465	983	-2	-0.008
43169	TYN014	630	631	-4	-5	546	3475	979	2	-0.008
43170	TYN014	631	632	4	-5	649	306	931	2	-0.008
43171	TYN014	632	633	-4	-5	648	601	804	2	-0.008
43172	TYN014	633	634	-4	-5	595	608	752	-2	-0.008
43173	TYN014	634	635	-4	20	596	598	730	-2	-0.008
43174	TYN014	635	636	-4	8	562	244	989	-2	-0.008
43175	TYN014	636	637	-4	18	676	556	788	2	-0.008
43176	TYN014	637	638	14	-5	699	931	996	-2	-0.008
43177	TYN014	638	639	10	-5	645	380	865	-2	-0.008
43178	TYN014	639	640	43	-5	572	650	832	-2	-0.008
43179	TYN014	691	692	14	18	226	330	1122	-2	-0.008
43181	TYN014	692	693	25	12	394	250	1357	-2	-0.008
43182	TYN014	693	694	12	-5	348	512	1180	-2	-0.008
		Average		30	16	406	379	1024	na	na
		Maximum		178	70	889	3475	1739	4	0.014
		Minimum		-4	-5	22	11	114	-2	-0.008
		Detection Limit (ppm)		4	5	4	10	5	2	0.008
		Assay Method		GA101	GA101	GA101	GX401	GA101	GA101	GG309
		Laboratory		Analabs	Analabs	Analabs	Analabs	Analabs	Analabs	Analabs

RGC EXPLORATION PTY LTD

365069

DRILL HOLE No TNDH4 (SUMMARY)

SHEET 1 OF 4

PROJECT	: BASIN LEASE
PROSPECT	:
DATE	: JULY - SEPT 1996
LOGGED BY	: M VICARY

— Bedding
⌐ Cleavage
— Foliation
~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG (1/16, 1/4, 1, 4, 16, 32)	ALTERATION: SIL.	SER.	PY.	GEOLOGY NOTES	SUMMARY: Formation	ROCK	ALTERATION
									Qpg	TILL	NA
									Ea	LAF I	
									Eas	SILT	P-S
									Ea	LAF I	OPES
										LAF I	
										LAF I	
									Eav	CARB	CL-B
										CBBX	
										CARB	
										LAF.	R-G
								CARB	Ea	LAF	HOCG
											COCG
										LAHB	HOCL
											OHG
									Eav	CARB	
									Ea	LAHB	OHG
										LAFH	OEHG

REMARKS

365070

RGC EXPLORATION PTY LTD

DRILL HOLE No [illegible]

SHEET 2 OF [illegible]

PROJECT	: BASIN LAKE [illegible]
PROSPECT	:
DATE	: [illegible]
LOGGED BY	: [illegible]

- Bedding
- Cleavage
- Foliation
- Fault, Shear
- Breccia
- Broken core
- Disseminated
- Massive
- Pervasive
- Narrow vein
- * Visible gold

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG (1/16, 1/4, 1, 4, 16, 32)	ALTERATION: SIL.	SER.	PY.	GEOLOGY NOTES	SUMMARY: FORMATION	ROCK	ALTERATION
									Ea	LAFH	QEH6
									Eav	VARM	
										VARC	CHE7
										LAFH	
										VARC	
										LAFH	CEH6
										VFLC	
										VARC	QEH6
										VARM	
									Ea	LAFH	HQA7
										VARM	
									Eav	VALC	HC.7
										VARM	(EH7)
										VARC	
										VALC	OH.7
										VARM	EQC6
										LAFH	
										VARM	HQC6
330									Ea	LAFH	HQC6
340											
350											
360											
370									Eav	VARM/ VARC	COC6 / (QH7)
380									Eq	LAFH	QPE5
390											

REMARKS

RGC EXPLORATION PTY LTD

365071
DRILL HOLE No JHN014 (Summary)

SHEET 3 OF 4

PROJECT	: BASIN LANE
PROSPECT	:
DATE	: JULY - SEPT '96
LOGGED BY	: P. Vearing

— Bedding
⌐ Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG (1/16, 1/4, 1, 4, 16, 32)	ALTERATION (SIL. SER. PY.)	GEOLOGY NOTES	SUMMARY FORMATION	SUMMARY ROCK	SUMMARY ALTERATION
								LAFH	OAES
									RE45
									HAE6
								LAFX	
									OEA5
									OEC5
								LAHB	OMC5
									OEC5
								LAFH	
								LAHB	
							Eav	VARM	OMC5
									OEC5
									OC_5
							Ea	LAFH	OCE5
									OEC5
									OMC5
									OEC6

REMARKS

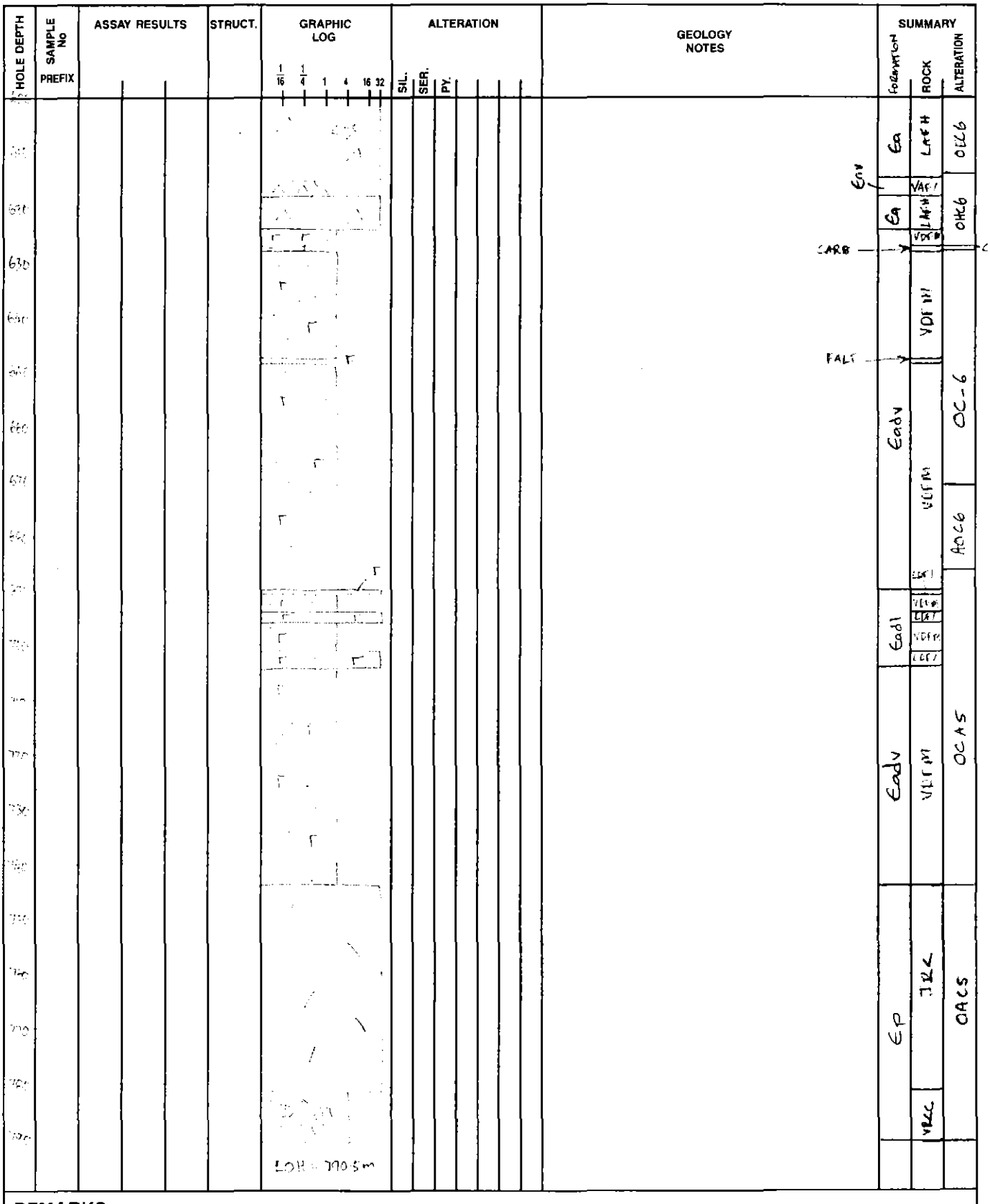
RGC EXPLORATION PTY LTD

DRILL HOLE No 365072 TUNGSTEN SUMMARY

SHEET 4 OF 4

PROJECT	: BASIN LEAD [illegible]
PROSPECT	:
DATE	: [illegible]
LOGGED BY	: [illegible]

- Bedding
- Cleavage
- Foliation
- Fault, Shear
- Breccia
- Broken core
- Disseminated
- Massive
- Pervasive
- Narrow vein
- * Visible gold



REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No TJN014

SHEET 1 OF 40

PROJECT	: BASIN LAKE EL 11103
PROSPECT	:
DATE	: [illegible]
LOGGED BY	: [illegible]

- Bedding
- Cleavage
- Foliation
- Fault, Shear
- Breccia
- Broken core
- Disseminated
- Massive
- Pervasive
- Narrow vein
- * Visible gold

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG (1/16 1/4 1 4 16 32)	ALTERATION (BIL. SER. PY.)	GEOLOGY NOTES	SUMMARY (ROCK, ALTERATION)
1				Recoiler		0 – 4.3 poorly consolidated mixture of sand, granule, boulder sized angular to sub-angular fragments. Poorly sorted 90% Green clasts 10% Carbonate - matrix - fine to coarse sand, light pink - weakly bleached up to 60% in places	Gm Till
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20						4.3 – 20.3 as above but with matrix dominantly medium sand, locally medium sand to clay as matrix.	

Scale 1:100

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No TJN014

SHEET [illegible] OF 40

PROJECT	: BASIN LAKE EL 11103
PROSPECT	:
DATE	: [illegible]
LOGGED BY	: [illegible]

- Bedding
- Cleavage
- Foliation
- Fault, Shear
- Breccia
- Broken core
- Disseminated
- Massive
- Pervasive
- Narrow vein
- * Visible gold

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG (1/16 1/4 1 4 16 32)	ALTERATION (BIL. SER. PY.)	GEOLOGY NOTES	SUMMARY (ROCK, ALTERATION)
20						20.3 – 37.0 Similar to above from 4.3 – 20.3 poorly consolidated granule - boulder conglomerate poorly sorted 95% Green clasts 5% Carbonate a small flat pad of sandy matrix	Gm Till
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37						37.0 – [illegible] as above with [illegible]	

REMARKS

3650223

RGC EXPLORATION PTY LTD

DRILL HOLE No TJNDH4

SHEET 3 OF 40

PROJECT	: BASIN LAKE EL 14/93
PROSPECT	:
DATE	: JULY 1996
LOGGED BY	: M VICARY

Bedding · Cleavage · Foliation · Fault, Shear · Breccia · Broken core · Disseminated · Massive · Pervasive · Narrow vein · * Visible gold

HOLE DEPTH	SAMPLE No PREFIX TJ25	Cu	Pb	Zn	STRUCT.	GRAPHIC LOG	ALTERATION SIL SER PK CHL Lim Hem	GEOLOGY NOTES	SUMMARY FORMATION	ROCK	ALTERATION
41								40.2-41.9 Poorly consolidated Cambrian/Devonian derived conglomerate matrix.	Qm	TILL	
42								41.9-43.4 Monomictic andesite breccia. Clast supported. Gradational to coherent andesite at base. Matrix made up of paste of glaciate.	Cs	LAVA	
43								43.0-44.7 Weak chl 'bleached' andesite.			
44	57	117	389	457				44.7-52.5 Black thinly bedded pyritic siltstone.			
45	58	132	80	480				bedding commonly 10-20° to CCA and local folding evident.			
46	59	65	46	190				disseminated pyrite common along S1			
47	61	83	73	204				51.4-52.4 abundant massive pyrite bands up to 10 cm wide interbedded with black siltstone			
48	62	84	64	175							
49	63	82	68	179					Cas	SILT	
50	64	75	49	159							
51	65	62	59	150							
52	66	77	56	208							
53	67	74	80	218				52.5 - 86m clayey moderately chloritic (+ minor epidote) altered feldspar phyric andesite. Fine veinlets present in more silicified areas (altered blocks).			
54											
55											
56									Cs	LAVA	QFES
57											
58											
59											
60											

1 cm = 1 cm

E = epidote

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No TJNDH4

SHEET 4 OF 40

PROJECT	: BASIN LAKE EL 14/93
PROSPECT	:
DATE	: JULY 1996
LOGGED BY	: M VICARY

Bedding · Cleavage · Foliation · Fault, Shear · Breccia · Broken core · Disseminated · Massive · Pervasive · Narrow vein · * Visible gold

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION SIL BER PK CHL End.	GEOLOGY NOTES	SUMMARY ROCK	ALTERATION
61								
62								
63								
64								
65								
66								
67								
68								
69								
70								
71								
72								
73								
74								
75								
76								
77						76.5 - 80.1 rock more silicified chl ferromag phase is clearly evident	Cs	LAVA	SEPO
78								
79								
80								

REMARKS

36507A

RGC EXPLORATION PTY LTD

DRILL HOLE No TJN014

SHEET 5 OF 40

— Bedding
⌴ Cleavage
▲ Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

PROJECT	: BASIN LAKE EL 14/93
PROSPECT	:
DATE	: JULY 1996
LOGGED BY	: M VICARY

HOLE DEPTH | SAMPLE No PREFIX TJN | ASSAY RESULTS Cu Pb Zn | STRUCT. | GRAPHIC LOG | ALTERATION Bil. Ser. Py Chl. Hm. Ep/Ab | GEOLOGY NOTES | SUMMARY Formation ROCK ALTERATION

81
82 — START
83
84 — 68
85
86
87 — 69
88
89
90 — 70
91 — 71
92
93 — 72
94
95
96 — 73
97
98
99 — 74
100

86 - ± 105.7
highly broken andesite
mainly granule pebble sized clasts
little or no matrix (washed?)

Eo
LAFI
OPES

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No TJN014

SHEET 6 OF 40

— Bedding
⌴ Cleavage
▲ Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

PROJECT	: BASIN LAKE EL 14/93
PROSPECT	:
DATE	: JULY 1996
LOGGED BY	: M VICARY

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION Bil. Ser. Py Chl. Hm. Ep/Ab | GEOLOGY NOTES | SUMMARY Formation ROCK ALTERATION

101
102 — 75
103
104 — 76
105
106 — 77
107
108 — 78
109
110 — 79
111
112 — 81
113 — 82
114
115 — 83
116
117 — 84
118
119 — 85
120 — 86
87

105.2-107.4 Fine grained clay matrix preserved

112+ increase in chl.

Eo
LAFI
OPES

REMARKS

36502

RGC EXPLORATION PTY LTD

DRILL HOLE No TYNO14

SHEET 7 OF 40

PROJECT	: BASIN LAKE EL 4193
PROSPECT	:
DATE	: JULY 1996
LOGGED BY	: M VICARY

Bedding · Cleavage · Foliation · Fault, Shear · Breccia · Broken core
Disseminated · Massive · Pervasive · Narrow vein · * Visible gold

HOLE DEPTH	SAMPLE No PREFIX TA26	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION	GEOLOGY NOTES	SUMMARY ROCK	SUMMARY ALTERATION
121								
122	90							
123								
124								
125	91							
126			Broken core with highly broken					
127	92							
Cave base 128						127.6–129.0 Predominantly massive white-grey carbonate	Eq	LAF1 / CRE 5
129	93							
130	94					129.0–137.8 Interbanded white-grey carbonate breccia and carbonate breccia/hydrothermite?	Carb	CARB
131	95							
132	96							CGBX
133	97							OC-8
134	98							CARBONATE
135	99					137.8–138.6 Predominantly massive white-grey carbonate		CARB
136	43138							
	43139							
137						138.6–138.9 carbonate 40% clast phyric andesite		
HQ / NQ 138								LAF1
139						138.9–140.1 andesite hydrothermite breccia with 15% carb matrix	Eq	OC-6
140								LAMB
								OC-7

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No TYNO14

SHEET 8 OF 40

PROJECT	: BASIN LAKE EL 4193
PROSPECT	:
DATE	: JULY 1996
LOGGED BY	: M VICARY

Bedding · Cleavage · Foliation · Fault, Shear · Breccia · Broken core
Disseminated · Massive · Pervasive · Narrow vein · * Visible gold

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION	GEOLOGY NOTES	SUMMARY ROCK	SUMMARY ALTERATION
141						140.1–140.7 Small up succession of andesitic hydrothermite with 10% disseminated pyrite	Carb	CARB / VALLEY
142						140.7–141.4 Predominantly grey-green carbonate ± some andesite clasts		CARB
143						141.4–149.6 Coherent andesite with abundant <2mm wide carbonate stringers	Eq	CO-7 / CPO
144								HOC 6
145								
146								
147								EOC 6
148								
149								
150						149.6–157.2 Complex andesitic breccia unit thinner from main hydrothermite with carbonate rich matrix (149.6–153), andesite breccia/hydrothermite in chl matrix (153–158.7), to Coherent andesite with transitional zones of and hydrothermite in Carb matrix.		HOC 6
151								
152								
153								
154								
155								
156								OAC 6
157								
158						157.2–158.8 Thick (1m–0.5–4m wide) competent Carbonate matrix with pyrite and andesite clasts		
159								DC-6
160						158.8–160.0 Predominantly massive carbonate (white-grey-pink) with andesite clasts	Carb	CARB
								CO-7

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No TUN014

SHEET 9 OF 40

PROJECT	: BASIN LAKE EZ 14/93
PROSPECT	:
DATE	: JULY 1996
LOGGED BY	: M VICARY

— Bedding
⌴ Cleavage
— Foliation
~~~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION	GEOLOGY NOTES	SUMMARY ROCK	SUMMARY ALTERATION
161						160.0 - 176.2 Jigsaw fit andesite breccia. Only minor clast rotation		
162						fracture & white-pink Carbonate		
163						veins + microveins up to 2cm wide.		
164								
165								
166								
167								
168								
169							EN	
170							LAHB	CO_6
171								
172								
173								
174								
175							COHC	
176								
177						176.2 - 221.6 Coherent blue-grey plagioclase andesite. Minor brecciation. Patchy chl-epid-hem alteration. 2% Carb veining.		
178								
179							LAFN	OEAG
180								

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE TUN014

SHEET 10 OF 40

PROJECT	: BASIN LAKE EZ 14/93
PROSPECT	:
DATE	: JULY 1996
LOGGED BY	: M VICARY

— Bedding
⌴ Cleavage
— Foliation
~~~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION	GEOLOGY NOTES	SUMMARY ROCK	SUMMARY ALTERATION
181								
182								
183								
184								
185								
186								
187								
188								
189							EN	
190							LAFH	OEAG
191								
192								
193								
194								
195								
196								
197								
198								
199								
200								

REMARKS

365077

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN014

SHEET 11 OF 40

PROJECT	BASIN LAKE EL 14/93
PROSPECT	
DATE	JULY 1996
LOGGED BY	M VICARY

Bedding · Cleavage · Foliation · Fault, Shear · Breccia · Broken core
Disseminated · Massive · Pervasive · Narrow vein · * Visible gold

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION	GEOLOGY NOTES	SUMMARY ROCK	SUMMARY ALTERATION
200							LAFH	EAOT
201								
202								
203								
204								
205								OEW6
206								
207								
208								
209								
210								
211								
212								
213								
214								
215								OEW6
216								
217								
218								
219								
220								

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN014

SHEET 12 OF 40

PROJECT	BASIN LAKE EL 14/93
PROSPECT	
DATE	JULY 1996
LOGGED BY	M VICARY

Bedding · Cleavage · Foliation · Fault, Shear · Breccia · Broken core
Disseminated · Massive · Pervasive · Narrow vein · * Visible gold

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION	GEOLOGY NOTES	SUMMARY ROCK	SUMMARY ALTERATION
220							Ey	LAFH
221						221.6-222.6 Sand gr recrystallised andesite hyaloclastite in carb matrix		
222								
223						222.6-228.0 Granule-pebble grade recrystallised andesite hyaloclastite in carb matrix. Clasts commonly subangular-subrounded + hem-chl altered.		
224								
225								
226								
227								
228						228.0-228.8 Sand gr recrystallised andesite hyaloclastite in carb matrix	Ey	VALC
229								
230						228.8-235.5 Coherent fold-flow phyric andesite. Patchy chl-hem-alb-epid alteration. Includes thin carbonate vein breccia zone 231.2-231.6m. Probably autobrecciated - clast boundaries often obscured by alteration		
231								
232								
233								
234								
235								
236						235.5-240.0 Granule-cobble grade andesite hyaloclastic conglomerate. Predominantly matrix supported with matrix of fr clasts and alt fragments. Clasts are subrounded-subangular and are variably hem-alb-carb altered given a polymict appearance.		
237								
238								
239								
240								

REMARKS

8705938

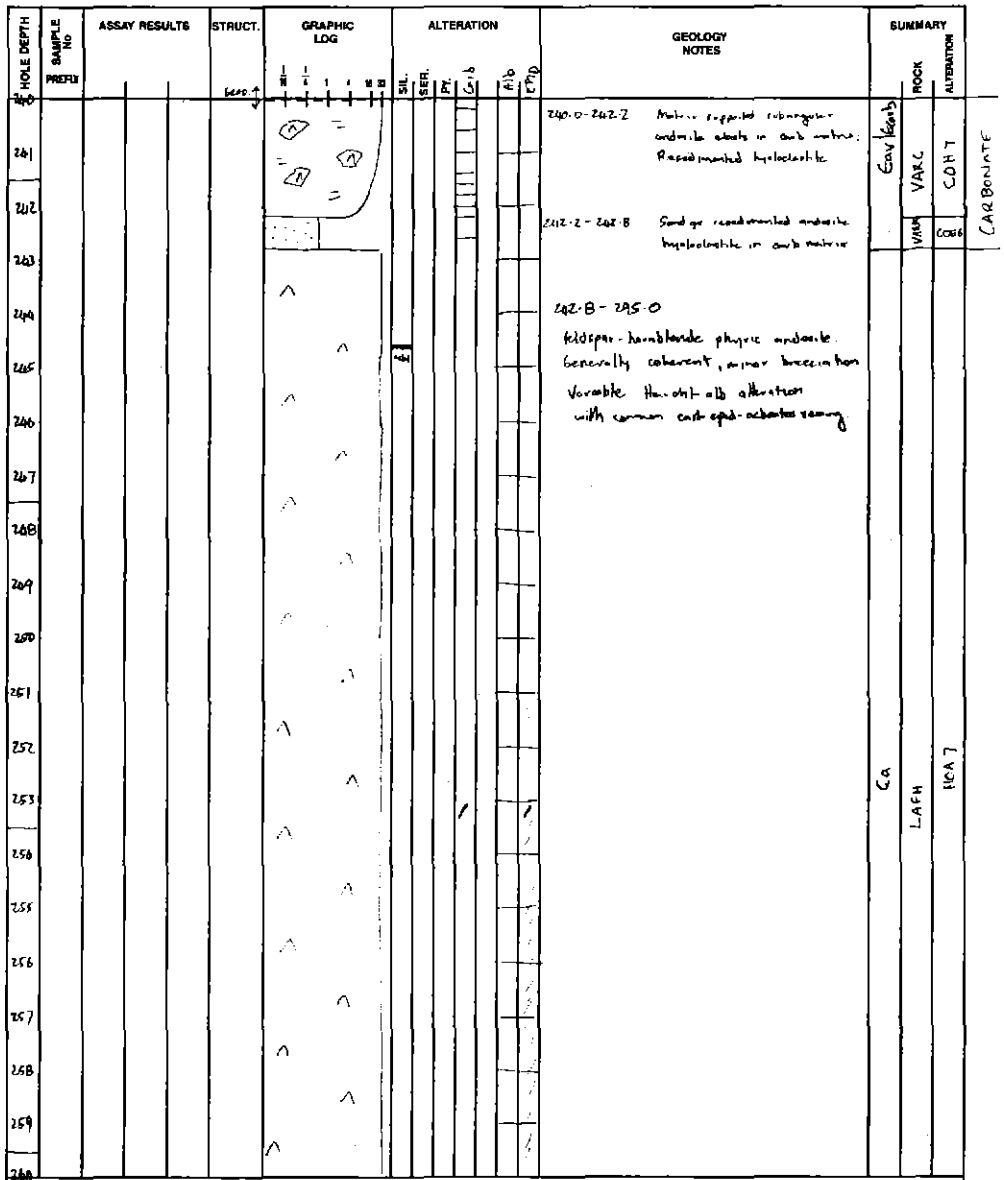
RGC EXPLORATION PTY LTD

DRILL HOLE No TYN014

SHEET 13 OF 40

PROJECT	: BASIN LAKE 02/16/93
PROSPECT	:
DATE	: JULY 1996
LOGGED BY	: M VICARY

— Bedding
⌊ Cleavage
▲ Foliation
~~~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold



REMARKS

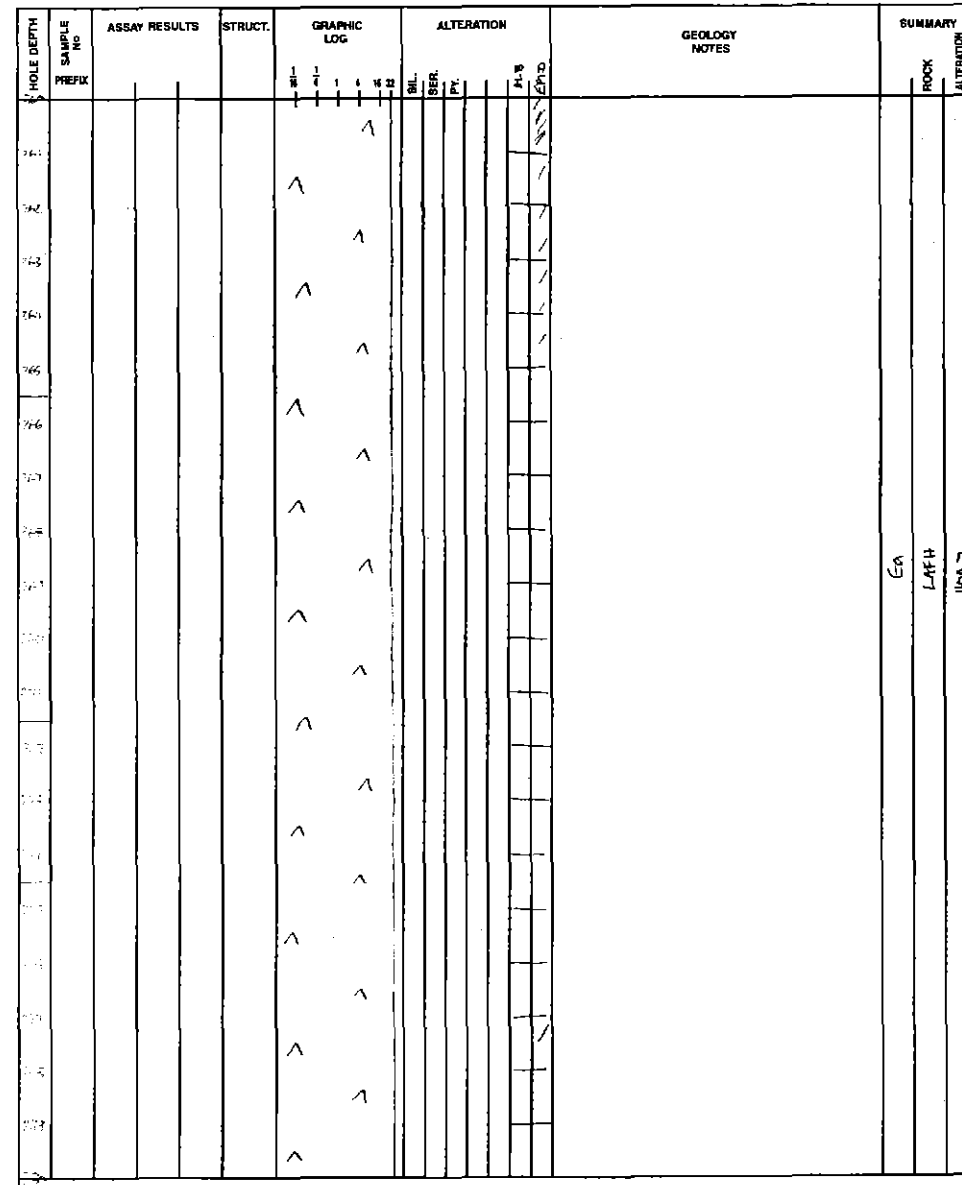
RGC EXPLORATION PTY LTD

DRILL HOLE No TYN014

SHEET 14 OF 40

PROJECT	: BASIN LAKE 02/16/93
PROSPECT	:
DATE	: JULY 1996
LOGGED BY	: M VICARY

— Bedding
⌊ Cleavage
▲ Foliation
~~~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold



REMARKS

365079

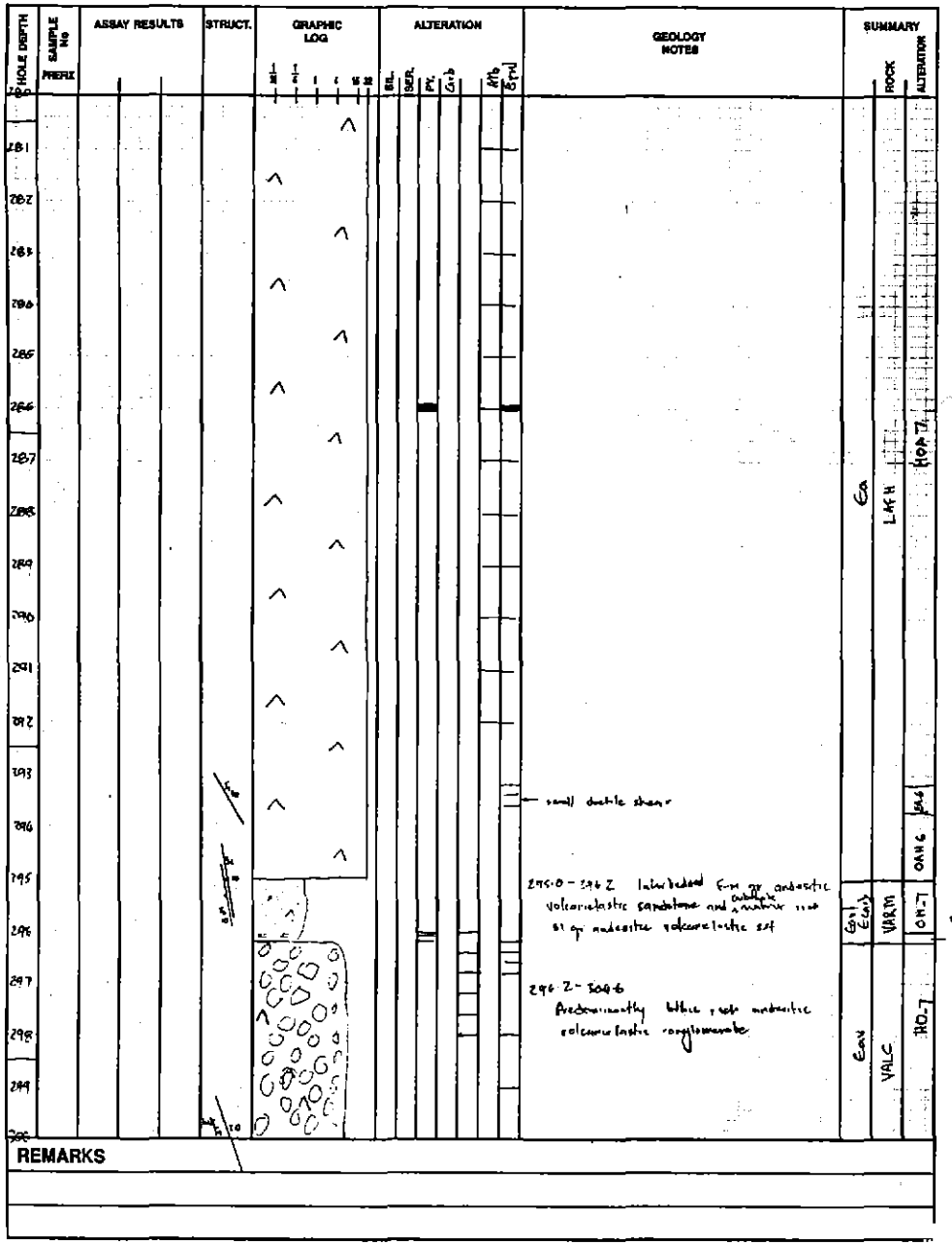
RGC EXPLORATION PTY LTD

DRILL HOLE No TUN014

SHEET 15 OF 40

PROJECT	: BASIN LAKE EL 14/93
PROSPECT	:
DATE	: JULY 1996
LOGGED BY	: M VICARY

— Bedding
⌴ Cleavage
—▲— Foliation
~~~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold



REMARKS

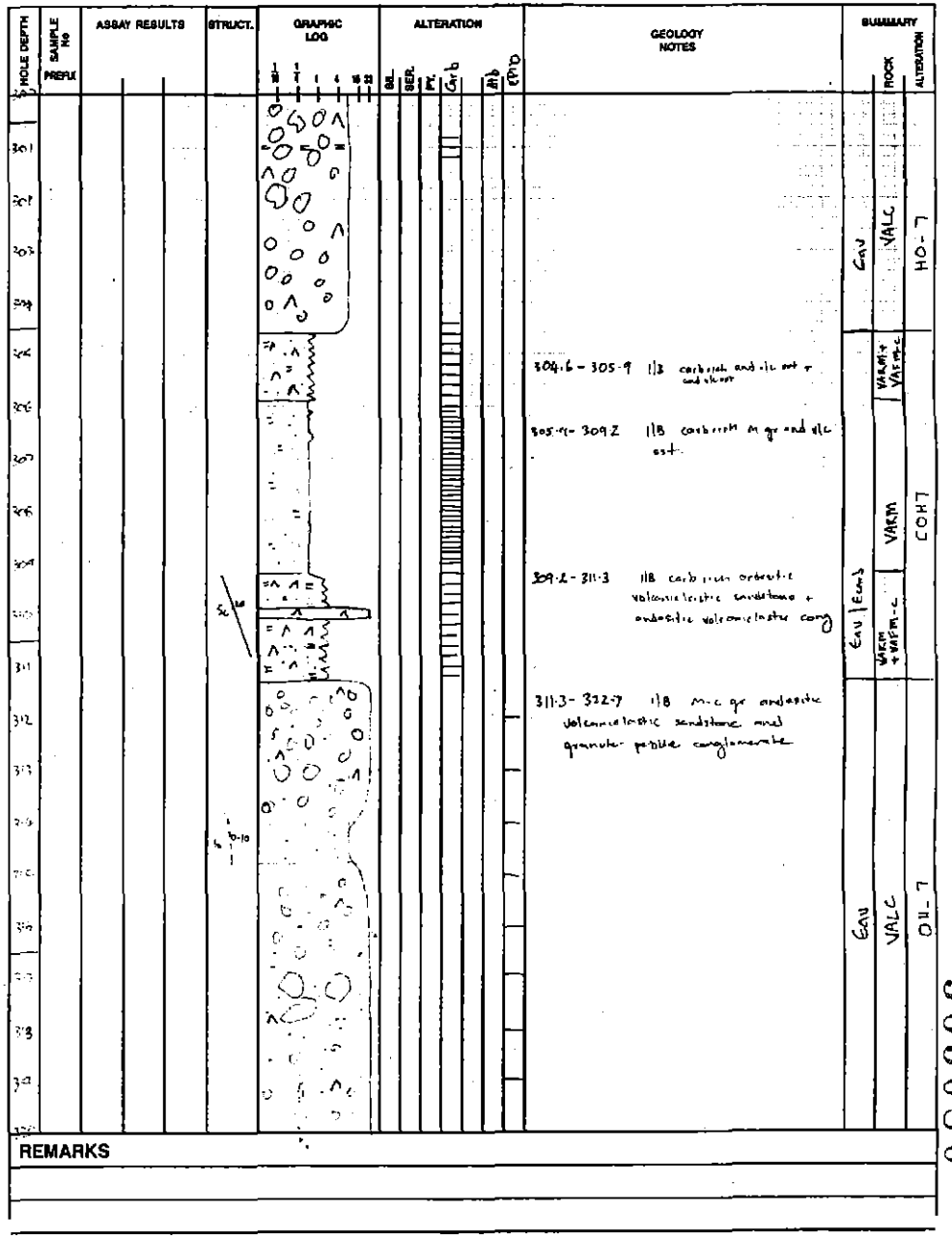
RGC EXPLORATION PTY LTD

DRILL HOLE No TUN014

SHEET 16 OF 40

PROJECT	: BASIN LAKE EL 14/93
PROSPECT	:
DATE	: JULY 1996
LOGGED BY	: M VICARY

— Bedding
⌴ Cleavage
—▲— Foliation
~~~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold



REMARKS

365080

RGC EXPLORATION PTY LTD

DRILL HOLE No TMN014

SHEET 17 OF 40

PROJECT	: BASIN LAKE EL 14/93
PROSPECT	:
DATE	: JULY 1996
LOGGED BY	: M VICARY

Bedding · Cleavage · Foliation · Fault, Shear · Breccia · Broken core · Disseminated · Massive · Pervasive · Narrow vein · * Visible gold

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION	GEOLOGY NOTES	SUMMARY ROCK	SUMMARY ALTERATION
320								
321								
322						322.7-322.8 Sheared Calc-chlorite-qtz vein at contact	Gmv	VALC
323						322.8-323.9 M-C gr andesitic vlc sst 10% Carb matrix		VAFM
324						323.9-325.8 fine-MBl phyric andesite (flows)	Ea	LAFM
325								EOC 6
326						325.8-326.3 C gr andesitic vlc sst	Gmv	
						326.3-327.0 fine-MBl phyric andesite	Ea	LAFM
327						327.0-328.1 MB C gr andesitic vlc sst + andesitic conglomerate	Gmv	VASSVLC
328								HOC6
329						328.9-329.4 Carb matrix rich f-m gr andesitic vlc sandstone	Vsm	VAFM
330						329.4- coherent fine-MBl phyric andesite	Ea	LAFM
331								HOC6
332								
333								
334								
335								
336								
337								
338								
339								
340								

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No TMN014

SHEET 18 OF 40

PROJECT	: BASIN LAKE EL 14/93
PROSPECT	:
DATE	: JULY 1996
LOGGED BY	: M VICARY

Bedding · Cleavage · Foliation · Fault, Shear · Breccia · Broken core · Disseminated · Massive · Pervasive · Narrow vein · * Visible gold

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION	GEOLOGY NOTES	SUMMARY ROCK	SUMMARY ALTERATION
341								
342								
343								
344								
345						344.6-347.7 Hematite + pink carbonate stockwork		
346								
347								
348								
349								
350								
351								
352								
353								
356								
355								
358								
357								
356								
359								
360								

REMARKS

36508

RGC EXPLORATION PTY LTD

DRILL HOLE No TUN014

SHEET 19 OF 40

- Bedding
- Cleavage
- Foliation
- Fault, Shear
- Breccia
- Broken core
- Disseminated
- Massive
- Pervasive
- Narrow vein
- * Visible gold

PROJECT	: BASIN LAKE EL 14/93
PROSPECT	:
DATE	: SEPT 1996
LOGGED BY	: M VICARY

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION	GEOLOGY NOTES	SUMMARY ROCK	SUMMARY ALTERATION
361					SIL. SER. PY. CARB		Eg	LAFM	WCG
362									
363									
364							Eav	VAFM	CEQG
365								MARG	
366							Eg	LAFM	WQCE
367									
368						← shell recorded outbreak starts			
369									
370							Eav		
371								VAFM	CO-1
372									
373									
374									
375									
376							Eg		OAES
377									
378									
379									
380									

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No TUN014

SHEET 20 OF 40

- Bedding
- Cleavage
- Foliation
- Fault, Shear
- Breccia
- Broken core
- Disseminated
- Massive
- Pervasive
- Narrow vein
- * Visible gold

PROJECT	: BASIN LAKE EL 14/93
PROSPECT	:
DATE	: SEPT 1996
LOGGED BY	: M VICARY

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION	GEOLOGY NOTES	SUMMARY ROCK	SUMMARY ALTERATION
381					SIL. SER. PY. CARB		Eg	LAFM	OAES
382									
383									
384									
385									
386									
387									
388									
389									
390									
391									
392									
393									
394									
395									
396									
397									
398									
399									
400									

REMARKS

28093

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN014

SHEET 21 OF 40

PROJECT	: BASIN LAKE EL 14/93
PROSPECT	:
DATE	: SEPT 1996
LOGGED BY	: M VICARY

- Bedding
- Cleavage
- Foliation
- Fault, Shear
- Breccia
- Broken core
- Disseminated
- Massive
- Pervasive
- Narrow vein
- * Visible gold

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION (SIL. SER. PY. CHL.) | GEOLOGY NOTES | SUMMARY (ROCK, ALTERATION)

400 402 404 406 408 410 412 414 416 418 420

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN014

SHEET 22 OF 40

PROJECT	: BASIN LAKE EL 14/93
PROSPECT	:
DATE	: SEPT 1996
LOGGED BY	: M VICARY

- Bedding
- Cleavage
- Foliation
- Fault, Shear
- Breccia
- Broken core
- Disseminated
- Massive
- Pervasive
- Narrow vein
- * Visible gold

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION (SIL. SER. PY. CHL. ALTN) | GEOLOGY NOTES | SUMMARY (ROCK, ALTERATION)

420 422 424 426 428 430 432 434 436 438 440

REMARKS

36508

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN014

SHEET 23 OF 40

PROJECT	: BASIN LAKE EL 14/93
PROSPECT	:
DATE	: SEPT 1996
LOGGED BY	: M VICARY

— Bedding
⌴ Cleavage
— Foliation
~~~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS Cu	Pb	Zn	STRUCT.	GRAPHIC LOG	ALTERATION	GEOLOGY NOTES	SUMMARY ROCK	ALTERATION
440	43140	60	52	254					LAFH	QLHS
442	43141	47	70	523						
444										
446										
448	43142	67	33	418						QCCS
	43143	28	34	669					HOEG	
450										
452										
454									LAFY	
	43144	24	49	202						
	43145	11	25	531						
456	43146	80	52	339						
458										QHCS
460									LAMB	

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN014

SHEET 24 OF 40

PROJECT	: BASIN LAKE EL 14/93
PROSPECT	:
DATE	: SEPT 1996
LOGGED BY	: M VICARY

— Bedding
⌴ Cleavage
— Foliation
~~~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION	GEOLOGY NOTES	SUMMARY ROCK	ALTERATION
460								
462								
464								
466								
468								
470							EA	
472							LAHB	QCCS
474								QHCS
476								
478								
480								

REMARKS

365084

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN014

SHEET 25 OF 40

PROJECT	: BASIN LANE EL 14/93
PROSPECT	:
DATE	: SEPT 1996
LOGGED BY	: M VICARY

— Bedding
⌴ Cleavage
— Foliation
~~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION BIL. SER. PY.	GEOLOGY NOTES	SUMMARY ROCK	SUMMARY ALTERATION
480								
482								
484								
486								
488								
490								
492								
494								
496								
498								
500								

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN014

SHEET 26 OF 40

PROJECT	: BASIN LANE EL 14/93
PROSPECT	:
DATE	: SEPT 1996
LOGGED BY	: M VICARY

— Bedding
⌴ Cleavage
— Foliation
~~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION BIL. BER. PY.	GEOLOGY NOTES	SUMMARY ROCK	SUMMARY ALTERATION
500								
502								
504								
506								
508								
510						interbedded felsic-Hbl plagioclase andesite and breccia		
512								
514								
516								
518								
520								

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN014

SHEET 27 OF 40

PROJECT	: BASIN LAKE EZ 14/93
PROSPECT	:
DATE	: SEPT 1996
LOGGED BY	: M VICARY

— Bedding
⌴ Cleavage
— Foliation
~~~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION (SIL, SER, PY, Carb, Ep, Hem, Alb) | GEOLOGY NOTES | SUMMARY ROCK | SUMMARY ALTERATION

520 522 524 526 528 530 532 534 536 538 540

STRUCT.: S1 30; S1 40

GEOLOGY NOTES:

not sure if either andesitic vlc sst or andesitic lava

andesitic vlc sst + minor breccia

f gr andesitic vlc sst → silted

Plagioclase-hornblende phyric andesitic lava and associated breccias

SUMMARY ROCK: Eq | Eav | Eo

SUMMARY ALTERATION: OECS | LAHB | VA-I | OHCS | VAFm | VAFF | OECS | LAFH | OC-S

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN014

SHEET 28 OF 40

PROJECT	: BASIN LAKE EZ 14/93
PROSPECT	:
DATE	: SEPT 1996
LOGGED BY	: M VICARY

— Bedding
⌴ Cleavage
— Foliation
~~~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION (SIL, SER, PY, Carb, Ep, Hem, Alb) | GEOLOGY NOTES | SUMMARY ROCK | SUMMARY ALTERATION

540 542 544 546 548 550 552 554 556 558 560

SUMMARY ROCK: Eo

SUMMARY ALTERATION: OC-S | LAFH | OECS

REMARKS

36586

RGC EXPLORATION PTY LTD

DRILL HOLE No TMN014

SHEET 29 OF 40

PROJECT	: BASIN LAKE EL 4193
PROSPECT	:
DATE	: SEPT 1996
LOGGED BY	: M VICARY

— Bedding
⌴ Cleavage
—▲— Foliation
~~~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY ROCK | SUMMARY ALTERATION

562 564 566 568 570 572 574 576 578 580

Ea LAFH OLC S

OLC S

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No TMN014

SHEET 30 OF 40

PROJECT	: BASIN LAKE EL 4193
PROSPECT	:
DATE	: SEPT 1996
LOGGED BY	: M VICARY

— Bedding
⌴ Cleavage
—▲— Foliation
~~~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY ROCK | SUMMARY ALTERATION

582 584 586 588 590 592 594 596 598 600

Ea LAFH LAFH OLC S OLC S OLC A

K-feldspar-hornblende phyric andesite with distinctive breccia forming stockwork of fine epidote

REMARKS

36508

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN014

SHEET 31 OF 40

PROJECT	: BASIN LAKE EL 14/93
PROSPECT	:
DATE	: SEPT 1996
LOGGED BY	: M VICARY

— Bedding
⌊ Cleavage
▲ Foliation
~~~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH | SAMPLE No PREFIX DD31- | ASSAY RESULTS | STRUCT. | GRAPHIC LOG (cm 1/4 1 4 16 32) | ALTERATION (SIL. SER. PY. Ca Ep Chl Alb) | GEOLOGY NOTES | SUMMARY ROCK | ALTERATION

600
602
604
606
608
610
612
614
616
618
620

47 48 49 50 51 52 53 54 55 56

Feldspar phyric volcaniclastic - minor volcaniclastic conglomerate

Ca LAFH OEC6
Ca? VAF/ OHC6
Ca LAFH

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN014

SHEET 32 OF 40

PROJECT	: BASIN LAKE EL 14/93
PROSPECT	:
DATE	: SEPT 1996
LOGGED BY	: M VICARY

— Bedding
⌊ Cleavage
▲ Foliation
~~~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG (cm 1/4 1 4 16 32) | ALTERATION (SIL. SER. PY. Ca Ep Chl Alb) | GEOLOGY NOTES | SUMMARY ROCK | ALTERATION

620
622
624
626
628
630
632
634
636
638
640

57 58 59 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78

50/90

Hornblende phyric andesitic lava ± minor HB dacitic vc sediments

feldspar phyric dacitic lithic volcaniclastic sediment (+ rare clasts at base)

tuff carbonate ± HB dacitic vc ests

M-F ggr feldspar phyric volcaniclastic sandstone

Ca LAFH OHC6
Ca/Ab or Ca/Ab VDFM
Ca/Ab

REMARKS

365088

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN014

SHEET 33 OF 40

PROJECT	: BASIN LAKE EL 14/93
PROSPECT	:
DATE	: SEPT 1996
LOGGED BY	: M VICARY

Bedding · Cleavage · Foliation · Fault, Shear · Breccia · Broken core · Disseminated · Massive · Pervasive · Narrow vein · * Visible gold

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION (SIL, SER, PY, CHL, EPI, CARB)	GEOLOGY NOTES	SUMMARY ROCK	SUMMARY ALTERATION
640								
642								
644								
646							VDFM	QC-6
648						Broken zone - fault (p-g fg)	FAIR	CLAY
650							CHLD or CHLD	
652						f-m gr bld plagioc dolerite vlc ss?		
654							VDFM	QC-6
656								
658								
660								

REMARKS

ND
89

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN014

SHEET 34 OF 40

PROJECT	: BASIN LAKE EL 14/93
PROSPECT	:
DATE	: SEPT 1996
LOGGED BY	: M VICARY

Bedding · Cleavage · Foliation · Fault, Shear · Breccia · Broken core · Disseminated · Massive · Pervasive · Narrow vein · * Visible gold

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION (SIL, SER, PY, CHL, EPI, CARB)	GEOLOGY NOTES	SUMMARY ROCK	SUMMARY ALTERATION
660								
662								
664								
666								
668							CHLD or CHLD	QC-6
670						f-m gr feldspathic dolerite vlc ss?		
672							VDFM	
674								
676								AQC6
678								
680								

REMARKS

23689

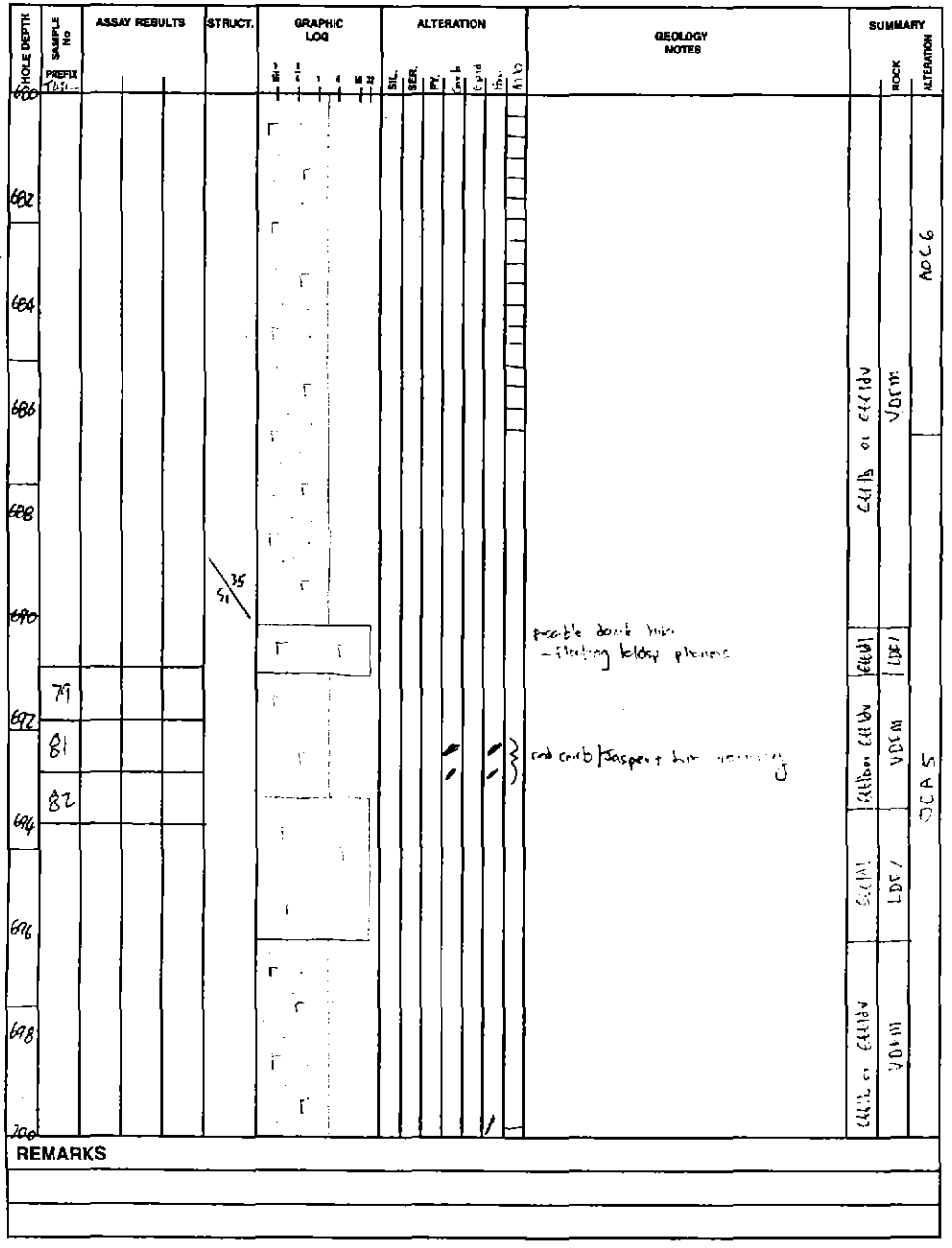
RGC EXPLORATION PTY LTD

DRILL HOLE No TJNO14

SHEET 35 OF 40

PROJECT	: BASIN LAKE EL 14/93
PROSPECT	:
DATE	: SEPT 1996
LOGGED BY	: M VICARY

- Bedding
- Cleavage
- Foliation
- Fault, Shear
- Breccia
- Broken core
- Disseminated
- Massive
- Pervasive
- Narrow vein
- * Visible gold



REMARKS

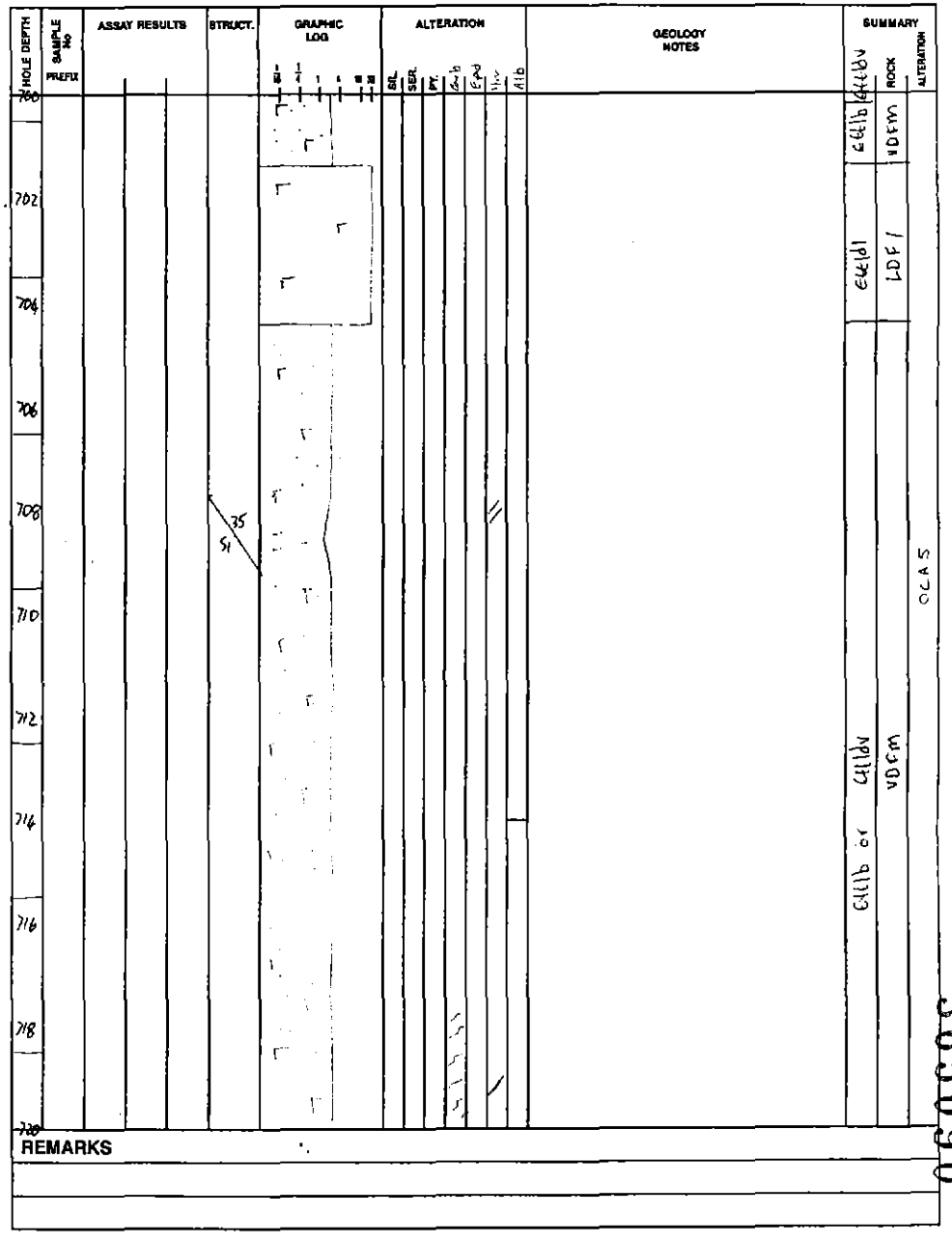
RGC EXPLORATION PTY LTD

DRILL HOLE No TJNO14

SHEET 36 OF 40

PROJECT	: BASIN LAKE EL 14/93
PROSPECT	:
DATE	: SEPT 1996
LOGGED BY	: M VICARY

- Bedding
- Cleavage
- Foliation
- Fault, Shear
- Breccia
- Broken core
- Disseminated
- Massive
- Pervasive
- Narrow vein
- * Visible gold



REMARKS

395090

RGC EXPLORATION PTY LTD

DRILL HOLE No TUN014

SHEET 37 OF 40

PROJECT	: BASIN LAKE EL 1493
PROSPECT	:
DATE	: SEPT 1996
LOGGED BY	: M VICARY

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
Visible gold

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION (SIL, SER, PY, Carb, Epid, Hem, Alb) | GEOLOGY NOTES | SUMMARY (ROCK, ALTERATION)

720
722
724
726
728
730
732
734
736
738
740

30
51

Epidote + chlorite + sericite + pyrite + carbonate veins (may be also galena)

SUMMARY: ROCK: ETTLB or ETTLBV, VDFM; ALTERATION: OCAS

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No TUN014

SHEET 38 OF 40

PROJECT : BASIN LAKE EL 1493
PROSPECT :
DATE : SEPT 1996
LOGGED BY : M VICARY

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION (SIL, SER, PY, Carb, Epid, Hem, Alb) | GEOLOGY NOTES | SUMMARY (ROCK, ALTERATION)

740
742
744
746
748
750
752
754
756
758
760

Core missing

Maybe a few Qtz phenos ?

coherent feld-qtz phyric "Qtz eye" porphyry - Possibly an intrusive

35
5

SUMMARY: ROCK: ETTLB or ETTLBV, VDFM, ETTLS; ALTERATION: OCAS, SAC

REMARKS

365091

RGC EXPLORATION PTY LTD

DRILL HOLE No TJN014

SHEET 39 OF 40

PROJECT	: BASIN LAKE EL 14/93
PROSPECT	:
DATE	: SEPT 1996
LOGGED BY	: M VICARY

Bedding · Cleavage · Foliation · Fault, Shear · Breccia · Broken core
Disseminated · Massive · Pervasive · Narrow vein · * Visible gold

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION	GEOLOGY NOTES	SUMMARY ROCK	SUMMARY ALTERATION
760								
762								
764								
766								
768								
770							ETtri	
772							TRL	
774								OAC S
776								
778								
780								

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No TJN014

SHEET OF 40

PROJECT	: BASIN LAKE EL 14/93
PROSPECT	:
DATE	: SEPT 1996
LOGGED BY	: M VICARY

Bedding · Cleavage · Foliation · Fault, Shear · Breccia · Broken core
Disseminated · Massive · Pervasive · Narrow vein · * Visible gold

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION	GEOLOGY NOTES	SUMMARY ROCK	SUMMARY ALTERATION
780							ETtri	
782			S1 35			118 C gr Qtz-fld phyric rhyolitic volcaniclastic sst to matrix supported vfc cong ? subangular rhyolite clasts	TRL	
784								OAC S
786							ETtru	
788			S1 30				VRLC	
790				EOH = 791.5			EOH	

REMARKS

365092

APPENDIX 4

TYN015 Drill log and Assays

RGC EXPLORATION DRILL HOLE RECORD

HOLE NUMBER	TYN015	**DRILLED BY**	DDTAS
PROJECT	Basin Lake	**NORTHING**	5352922
PROSPECT	Basin Lake	**EASTING**	380841
DESIGNED BY	Michael Vicary	**RL**	575m
LOGGED BY	Michael Vicary	**INCLINATION**	-65
COMMENCED	10/09/1996	**AZIMUTH**	090 AMG
FINISHED	31/10/1996	**EOH**	822.5m

PURPOSE

TYN015 is targeted at an alteration zone developed at the contact between the Anthony Road Andesite and Central Volcanic Sequence. The hole will test the target horizon midway between TYN011 (162m of sericite-pyrite alteration) and BL001 (9m at 0.13% Pb and 0.45% Zn). The hole will terminate at the intersection with the Great Lyell Fault.

SURVEY DATA

DEPTH	INC.	AZ.	DEPTH	INC.	AZ.	DEPTH	INC.	AZ.
0m	-65	090	300	-59	096	600	-53	102
30	-64	095	330	-58.5	101	630	-52.5	102
60	-63.5	099	360	-58	098	660	-52	102
90	-61.5	102	390	-57.5	102	690	-51.3	105
120	-61.2	099	420	-57.3	102	720	-51	102
150	-61	099	450	-56.7	102	750	-50.7	107
180	-61	099	480	-55.7	103	780	-50	104
210	-60.6	100	510	-55	102	810	-49.7	107
240	-60.2	099	540	-54.5	100			
270	-59.5	098	570	-53.5	103			

DRILLING DATA

HOLE SIZE	DEPTH	COMMENTS
PQ	0 - 18.0	Rods left in hole 400(?) - 822.5m.
HQ	18.0 - 78.0	Upper part of hole not cased with PVC.
NQ	78.0 - 822.5	

SUMMARY

Summary Log:-			
0	to	40.5m	Glacials
40.5	to	338.8	Anthony Road Andesite - predominantly feldspar-hornblende phyric andesite lava with minor carbonate matrix rich andesitic volcaniclastic sediment (reworked hyaloclastic breccia) and black siltstone
338.8	to	588.4	Target Horizon - interbedded dacitic to rhyolitic volcaniclastic lavas/intrusives and sediments.
588.4	to	822.5	Central Volcanic Sequence - interbedded fine to medium grained feldspar phyric pumiceous dacitic volcaniclastic sediments and dacite intrusives.

TYN015 intersected a wide zone of sericite (and/or chlorite) - pryite alteration from 338.8 to 588.4m. This is a direct correlate of the alteration zone intersected in TYN011. The presence of a thick sequence of dacitic lavas and volcaniclastics overlying the rhyoltes suggests that at least 160m of stratigraphy has been faulted out in TYN011 above the alteration. The hole stopped at 822.5m in strongly broken rock near the Great Lyell Fault.

SAMPL	HOLE	DEPTHF	DEPTHT	CU_A	PB_A	ZN_A	AU_G	AG_A	MN_A	BA_X
43401	TYN015	338.8	340	71	11	90	-0.008	-2	872	2725
43402	TYN015	340	341	58	16	87	-0.008	-2	882	654
43403	TYN015	341	342.5	147	11	77	-0.008	-2	1010	40
43404	TYN015	342.5	343	148	325	152	-0.008	-2	1486	492
43405	TYN015	343	344	127	21	92	-0.008	-2	2256	1615
43406	TYN015	344	345	81	25	122	-0.008	-2	4747	959
43407	TYN015	345	346	83	25	94	-0.008	-2	3768	1065
43408	TYN015	346	347	79	19	74	-0.008	-2	2639	1115
43409	TYN015	347	348	110	12	79	-0.008	-2	2514	666
43410	TYN015	348	349	92	-5	72	-0.008	-2	1734	750
43411	TYN015	349	350	88	8	82	-0.008	-2	1566	530
43412	TYN015	350	351	154	14	70	-0.008	-2	1342	679
43413	TYN015	351	352	97	10	71	-0.008	-2	1283	654
43414	TYN015	352	353	91	12	60	-0.008	-2	1416	652
43415	TYN015	353	354	221	21	58	-0.008	-2	1369	974
43416	TYN015	354	355	94	11	68	-0.008	-2	1185	1620
43417	TYN015	355	356	67	19	73	-0.008	-2	1105	1310
43418	TYN015	356	357	97	38	69	-0.008	-2	887	1530
43419	TYN015	357	358	115	42	52	-0.008	-2	936	1980
43421	TYN015	358	359	230	92	216	-0.008	-2	996	1495
43422	TYN015	359	360	154	21	67	-0.008	-2	877	1255
43423	TYN015	360	361	164	10	67	-0.008	-2	1033	801
43424	TYN015	361	362	71	12	71	-0.008	-2	757	1255
43425	TYN015	362	363	128	11	61	-0.008	-2	625	1345
43426	TYN015	363	364	88	10	71	-0.008	-2	702	836
43427	TYN015	364	365	84	12	64	-0.008	-2	668	931
43428	TYN015	365	366	90	13	72	-0.008	-2	666	502
43429	TYN015	366	367	94	18	69	-0.008	-2	639	241
43430	TYN015	367	368	108	29	66	-0.008	-2	620	266
43431	TYN015	368	369	92	28	66	-0.008	-2	607	704
43432	TYN015	369	369.7	89	33	56	-0.008	-2	627	457
43433	TYN015	369.7	371	90	10	72	-0.008	-2	726	770
43434	TYN015	371	372	106	-5	76	-0.008	-2	646	1265
43435	TYN015	372	373	67	9	79	-0.008	-2	737	874
43436	TYN015	373	374	127	-5	78	-0.008	-2	745	537
43437	TYN015	374	375	103	6	83	-0.008	-2	781	898
43438	TYN015	375	376	86	-5	84	-0.008	-2	794	1135
43439	TYN015	376	377	95	7	81	-0.008	-2	750	829
43441	TYN015	377	378	75	28	110	-0.008	-2	772	874
43442	TYN015	378	379	111	21	87	-0.008	-2	766	1010
43443	TYN015	379	380	86	14	72	-0.008	-2	761	746
43444	TYN015	380	381	52	15	83	-0.008	-2	908	737
43445	TYN015	381	382	75	12	83	-0.008	-2	866	487
43446	TYN015	382	383	86	29	73	-0.008	-2	820	603
43447	TYN015	383	384	65	17	73	-0.008	-2	810	614
43448	TYN015	384	385	76	5	72	-0.008	-2	784	372
43449	TYN015	385	386	75	-5	80	-0.008	-2	888	599
43450	TYN015	386	387	71	-5	81	-0.008	-2	820	871
43451	TYN015	387	388	66	-5	85	-0.008	-2	817	1615
43452	TYN015	388	389	87	35	69	-0.008	-2	792	2010
43453	TYN015	389	390	88	48	79	-0.008	-2	992	714
43454	TYN015	390	391	80	68	80	-0.008	-2	1049	269

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SAMPL	HOLE	DEPTHF	DEPTHT	CU_A	PB_A	ZN_A	AU_G	AG_A	MN_A	BA_X
43455	TYN015	391	392	72	128	79	-0.008	-2	964	577
43456	TYN015	392	393	73	-5	74	-0.008	-2	788	1660
43457	TYN015	393	394	77	-5	83	-0.008	-2	1346	1300
43458	TYN015	394	395	82	6	108	-0.008	-2	1798	848
43459	TYN015	395	396	61	-5	93	-0.008	-2	2822	973
43461	TYN015	396	397	81	-5	83	-0.008	-2	2963	1475
43462	TYN015	397	398	75	-5	91	-0.008	-2	3142	1630
43463	TYN015	398	399	73	-5	98	-0.008	-2	3183	1540
43464	TYN015	399	400	60	9	86	-0.008	-2	3791	1290
43465	TYN015	400	401	79	-5	88	-0.008	-2	3979	1135
43466	TYN015	401	402	75	13	84	-0.008	-2	3974	1420
43467	TYN015	402	402.8	112	41	139	-0.008	-2	3203	1295
43468	TYN015	402.8	404	9	22	152	-0.008	-2	2569	1235
43469	TYN015	404	405	135	178	161	-0.008	-2	3561	1100
43470	TYN015	405	406	65	48	185	-0.008	8	3676	1440
43471	TYN015	406	407	48	31	160	-0.008	-2	2595	987
43472	TYN015	407	408	64	12	134	-0.008	-2	2667	859
43473	TYN015	408	409	30	8	134	-0.008	-2	1919	1195
43474	TYN015	409	410	50	19	137	-0.008	-2	1734	1325
43475	TYN015	410	411	38	22	169	-0.008	-2	1820	1270
43476	TYN015	411	412	78	40	193	-0.008	-2	1736	1300
43477	TYN015	412	412.7	112	21	226	-0.008	-2	1504	1365
43478	TYN015	412.7	414	139	80	259	-0.008	-2	2267	1480
43479	TYN015	414	415	95	23	142	-0.008	-2	1022	709
43481	TYN015	415	416	104	59	114	-0.008	-2	868	1130
43482	TYN015	416	417	84	51	79	-0.008	-2	919	718
43483	TYN015	417	418	104	59	114	-0.008	-2	868	771
43484	TYN015	418	419	95	19	65	-0.008	-2	737	981
43485	TYN015	419	420	90	22	66	-0.008	-2	992	1130
43486	TYN015	420	421	95	8	68	-0.008	-2	802	648
43487	TYN015	421	422	94	21	81	-0.008	-2	770	636
43488	TYN015	422	423	83	19	71	-0.008	-2	693	475
43489	TYN015	423	424	93	39	60	-0.008	-2	734	542
43490	TYN015	424	425	91	22	60	-0.008	-2	727	1040
43491	TYN015	425	426	88	17	92	-0.008	-2	859	1135
43492	TYN015	426	427	90	17	65	-0.008	-2	761	1370
43493	TYN015	427	428	72	10	69	-0.008	-2	946	715
43494	TYN015	428	429	98	67	7	-0.008	-2	978	276
43495	TYN015	429	430	150	75	91	-0.008	-2	1024	206
43496	TYN015	430	431	80	-5	79	-0.008	-2	942	65
43497	TYN015	431	432	74	8	59	-0.008	-2	850	1555
43498	TYN015	432	433	94	-5	60	-0.008	-2	79	410
43499	TYN015	433	434	54	-5	70	-0.008	-2	883	432
43501	TYN015	434	434.9	121	44	117	-0.008	-2	885	913
43502	TYN015	434.9	436.3	30	-5	61	-0.008	-2	860	1310
43503	TYN015	436.3	437	43	-5	75	-0.008	-2	649	503
43504	TYN015	437	438	231	-5	68	-0.008	-2	646	610
43505	TYN015	438	439	89	-5	73	-0.008	-2	656	546
43506	TYN015	439	440	121	-5	70	-0.008	-2	797	424
43507	TYN015	440	441	162	-5	53	-0.008	-2	689	477
43508	TYN015	441	442	62	-5	55	-0.008	-2	847	302
43509	TYN015	442	443	42	-5	55	-0.008	-2	643	448

SAMPL	HOLE	DEPTHF	DEPTHT	CU_A	PB_A	ZN_A	AU_G	AG_A	MN_A	BA_X
43510	TYN015	443	444	48	-5	59	-0.008	-2	819	430
43511	TYN015	444	445	82	-5	65	-0.008	-2	1074	367
43512	TYN015	445	446	20	-5	71	-0.008	-2	1024	472
43513	TYN015	446	447	48	-5	120	-0.008	-2	733	1015
43514	TYN015	447	447.7	38	-5	184	-0.008	-2	789	1235
43515	TYN015	447.7	449	79	-5	155	-0.008	-2	827	3430
43516	TYN015	449	450	55	38	142	-0.008	-2	726	718
43517	TYN015	450	451	44	25	147	-0.008	-2	756	624
43518	TYN015	451	452	57	15	119	-0.008	-2	762	1525
43519	TYN015	452	453	69	78	130	-0.008	-2	962	897
43520	TYN015	453	454	61	11	151	-0.008	-2	806	1015
43521	TYN015	454	455	49	9	140	-0.008	-2	857	1090
43522	TYN015	455	456	72	117	154	-0.008	-2	926	603
43523	TYN015	456	457.3	41	68	123	-0.008	-2	831	796
43524	TYN015	457.3	458	66	-5	145	-0.008	-2	1335	1055
43526	TYN015	458	459	88	8	101	-0.008	-2	1065	714
43527	TYN015	459	459.8	96	9	119	-0.008	-2	1192	734
43528	TYN015	459.8	461	156	34	86	-0.008	-2	500	2035
43529	TYN015	461	462	111	-5	89	-0.008	-2	562	1785
43530	TYN015	462	463	92	12	187	-0.008	-2	772	1455
43531	TYN015	463	464	86	33	199	-0.008	-2	1020	1355
43532	TYN015	464	465	73	16	215	-0.008	-2	1867	1865
43533	TYN015	465	466	47	41	145	-0.008	-2	2121	1665
43534	TYN015	466	467.2	83	13	583	-0.008	-2	2632	1820
43535	TYN015	467.2	468	56	143	309	-0.008	-2	758	1605
43536	TYN015	468	469	34	104	170	-0.008	-2	1370	1380
43537	TYN015	469	470	49	79	203	-0.008	-2	1340	1365
43538	TYN015	470	471	114	68	184	-0.008	-2	602	1050
43539	TYN015	471	472	37	23	115	-0.008	-2	1348	1320
43540	TYN015	472	473	46	59	134	-0.008	-2	1065	884
43541	TYN015	473	474	32	30	52	-0.008	-2	1580	750
43542	TYN015	474	475	30	17	150	-0.008	-2	1415	819
43543	TYN015	475	476	35	87	108	-0.008	-2	1921	798
43544	TYN015	476	477	60	29	119	-0.008	-2	1251	1210
43545	TYN015	477	478	31	13	146	-0.008	-2	1121	689
43546	TYN015	478	479	23	49	107	-0.008	-2	642	603
43547	TYN015	479	480	25	7	124	-0.008	-2	1254	1500
43548	TYN015	480	481	18	14	104	-0.008	-2	1103	1965
43549	TYN015	481	482	37	44	196	-0.008	-2	1367	1715
43551	TYN015	482	483	21	133	173	-0.008	-2	1112	1055
43552	TYN015	483	484	20	59	114	-0.008	-2	1261	1230
43553	TYN015	484	485	16	159	111	-0.008	-2	1142	1810
43554	TYN015	485	486	30	119	153	-0.008	-2	1174	1020
43555	TYN015	486	487	31	136	132	-0.008	-2	1131	683
43556	TYN015	487	488	10	13	146	-0.008	-2	1101	645
43557	TYN015	488	489	24	23	144	-0.008	-2	1300	876
43558	TYN015	489	490	18	62	120	-0.008	-2	1343	861
43559	TYN015	490	491	43	34	149	-0.008	-2	1218	597
43560	TYN015	491	492	21	13	148	-0.008	-2	876	573
43561	TYN015	492	493	12	7	149	-0.008	-2	960	778
43562	TYN015	493	494	16	14	158	-0.008	-2	1043	937
43563	TYN015	494	495	175	285	152	-0.008	-2	1064	1355

SAMPL	HOLE	DEPTHF	DEPTHT	CU_A	PB_A	ZN_A	AU_G	AG_A	MN_A	BA_X
43564	TYN015	495	496	78	62	156	-0.008	-2	836	1210
43565	TYN015	496	497	34	-5	119	-0.008	-2	1227	26700
43566	TYN015	497	498	35	8	143	-0.008	-2	1498	1535
43567	TYN015	498	499	7	6	145	-0.008	-2	905	1070
43568	TYN015	499	500	14	18	143	-0.008	-2	1016	1105
43569	TYN015	500	501	25	8	146	-0.008	-2	1044	1130
43570	TYN015	501	502	13	-5	139	-0.008	-2	717	1105
43571	TYN015	502	503	8	-5	132	-0.008	-2	709	819
43572	TYN015	503	504	50	-5	157	-0.008	-2	936	755
43573	TYN015	504	505	18	8	145	-0.008	-2	1147	681
43574	TYN015	505	506	33	15	162	-0.008	-2	696	720
43576	TYN015	506	507	22	22	160	-0.008	-2	729	732
43577	TYN015	507	508	52	9	189	-0.008	-2	634	733
43578	TYN015	508	509	46	16	166	-0.008	-2	824	1205
43579	TYN015	509	510	38	11	156	-0.008	-2	640	600
43580	TYN015	510	511	36	17	149	-0.008	-2	1024	513
43581	TYN015	511	512	56	14	164	-0.008	-2	1139	577
43582	TYN015	512	513	83	15	146	-0.008	-2	714	594
43583	TYN015	513	514	47	15	159	-0.008	-2	760	459
43584	TYN015	514	515	52	24	134	-0.008	-2	707	635
43585	TYN015	515	516	42	12	146	-0.008	-2	571	658
43586	TYN015	516	517	55	10	165	-0.008	-2	729	721
43587	TYN015	517	518	40	16	138	-0.008	-2	1161	857
43588	TYN015	518	519	33	32	162	-0.008	-2	795	712
43589	TYN015	519	520	57	6	195	-0.008	-2	652	806
43590	TYN015	520	521	36	68	201	-0.008	-2	610	840
43591	TYN015	521	522	33	152	154	-0.008	-2	987	686
43592	TYN015	522	523	27	13	111	-0.008	-2	939	761
43593	TYN015	523	523.9	50	7	88	-0.008	-2	841	731
43594	TYN015	523.9	525	67	-5	124	-0.008	-2	908	890
43595	TYN015	525	526	57	-5	76	-0.008	-2	759	2050
43596	TYN015	526	527	33	6	55	-0.008	-2	861	590
43597	TYN015	527	528	41	-5	63	-0.008	-2	872	584
43598	TYN015	528	529	30	-5	70	-0.008	-2	792	759
43599	TYN015	529	530	40	8	67	-0.008	-2	882	624
43601	TYN015	530	531.1	95	23	41	-0.008	-2	798	704
43602	TYN015	531.1	532	35	15	69	-0.008	-2	1118	561
43603	TYN015	532	533	41	27	55	-0.008	-2	394	907
43604	TYN015	533	534	50	10	66	-0.008	-2	946	1060
43605	TYN015	534	535	44	-5	95	-0.008	-2	1026	552
43606	TYN015	535	536	52	-5	105	-0.008	-2	921	570
43607	TYN015	536	537	31	5	87	-0.008	-2	759	670
43608	TYN015	537	538	41	8	106	-0.008	-2	1016	643
43609	TYN015	538	539	53	65	52	-0.008	-2	341	820
43610	TYN015	539	540	46	59	45	-0.008	-2	231	834
43611	TYN015	540	541	36	14	72	-0.008	-2	1018	584
43612	TYN015	541	542	82	10	52	-0.008	-2	1120	556
43613	TYN015	542	543	53	19	30	-0.008	-2	688	576
43614	TYN015	543	544	30	14	67	-0.008	-2	868	626
43615	TYN015	544	545	44	-5	78	-0.008	-2	1007	736
43616	TYN015	545	546	34	45	54	-0.008	-2	669	809
43617	TYN015	546	547	48	127	139	-0.008	-2	1210	780

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SAMPL	HOLE	DEPTHF	DEPTHT	CU_A	PB_A	ZN_A	AU_G	AG_A	MN_A	BA_X
43618	TYN015	547	548	37	47	115	-0.008	-2	1035	887
43619	TYN015	548	549	36	-5	98	-0.008	-2	901	995
43620	TYN015	549	550	41	-5	142	-0.008	-2	879	948
43621	TYN015	550	551.1	40	25	228	-0.008	-2	948	1190
43622	TYN015	551.1	552	60	-5	155	-0.008	-2	353	1615
43623	TYN015	552	553	97	-5	391	-0.008	-2	686	1015
43624	TYN015	553	554	44	-5	148	-0.008	-2	700	1220
43626	TYN015	554	555	72	16	114	-0.008	-2	727	1325
43627	TYN015	555	556	14	-5	121	-0.008	-2	733	1380
43628	TYN015	556	557	30	-5	122	-0.008	-2	658	1465
43629	TYN015	557	558	103	109	304	-0.008	-2	902	1500
43630	TYN015	558	559	33	11	209	-0.008	-2	983	1645
43631	TYN015	559	560	51	6	136	-0.008	-2	1094	1380
43632	TYN015	560	561	79	7	128	-0.008	-2	1319	1345
43633	TYN015	561	562.2	129	9	185	-0.008	-2	1577	1495
43634	TYN015	562.2	563	74	94	38	-0.008	2	683	1740
43635	TYN015	563	564	163	222	1836	-0.008	4	147	1310
43636	TYN015	564	565	89	62	486	-0.008	2	367	996
43637	TYN015	565	566	272	-5	148	-0.008	-2	693	1020
43638	TYN015	566	567	80	12	120	-0.008	-2	1042	920
43639	TYN015	567	568	95	7	107	-0.008	-2	765	960
43640	TYN015	568	569	136	7	100	-0.008	-2	953	1030
43641	TYN015	569	570	89	-5	105	-0.008	-2	1024	1230
43642	TYN015	570	571	69	15	40	-0.008	-2	177	1300
43643	TYN015	571	572	84	29	111	-0.008	-2	497	1255
43644	TYN015	572	573	70	22	107	-0.008	-2	939	1170
43645	TYN015	573	574.3	118	-5	182	-0.008	-2	502	1235
43646	TYN015	574.3	575	20	7	13	-0.008	-2	23	577
43647	TYN015	575	576	13	-5	12	-0.008	-2	16	218
43648	TYN015	576	577	14	-5	7	-0.008	-2	16	362
43649	TYN015	577	578	13	-5	8	-0.008	-2	25	823
43651	TYN015	578	579	12	-5	6	-0.008	-2	18	987
43652	TYN015	579	580	10	6	-4	-0.008	-2	16	444
43653	TYN015	580	581	6	8	8	-0.008	-2	26	520
43654	TYN015	581	582	9	8	11	-0.008	-2	19	662
43655	TYN015	582	583	10	-5	12	-0.008	-2	20	793
43656	TYN015	583	584	15	-5	8	-0.008	-2	30	791
43657	TYN015	584	585	9	-5	17	-0.008	-2	37	865
43658	TYN015	585	586	12	-5	16	-0.008	-2	32	839
43659	TYN015	586	587	17	-5	45	-0.008	-2	77	918
43660	TYN015	587	588	15	12	63	-0.008	-2	288	896
43661	TYN015	588	589	31	12	135	-0.008	-2	691	890
43662	TYN015	589	590	60	19	87	-0.008	-2	898	1005
43663	TYN015	590	591	68	39	135	-0.008	-2	1517	763
43664	TYN015	591	592	61	21	134	-0.008	-2	1472	1200
43665	TYN015	592	593	151	-5	100	-0.008	-2	1202	698
43666	TYN015	593	594	207	14	95	-0.008	-2	1112	806
43667	TYN015	594	595	105	16	114	-0.008	-2	1317	1075
43668	TYN015	595	596	26	9	86	-0.008	-2	870	791
43669	TYN015	596	597	32	6	82	-0.008	-2	624	745
43670	TYN015	597	598	71	11	96	-0.008	-2	1019	754
43671	TYN015	598	599	131	16	158	-0.008	-2	747	1120

365100

SAMPL	HOLE	DEPTHF	DEPTHT	CU_A	PB_A	ZN_A	AU_G	AG_A	MN_A	BA_X
43672	TYN015	599	600	108	17	214	-0.008	-2	916	3965
43673	TYN015	600	601	47	16	138	-0.008	-2	1471	965
43674	TYN015	601	602	43	13	140	-0.008	-2	1186	912
43676	TYN015	602	603	123	17	169	-0.008	-2	1243	1535
43677	TYN015	603	604	24	-5	100	-0.008	-2	784	1295
43678	TYN015	604	605	20	-5	106	-0.008	-2	828	1245
43679	TYN015	605	606	40	-5	96	-0.008	-2	793	886
			Average	68	24	118	0	-2	1059	1075
			Minimum	40	-5	90	-0.008	-2	793	886
			maximum	71	11	96	-0.008	-2	872	2725
		Detection Limit (ppm)		4	5	4	0.008	2	5	10
		Assay Method		GA101	GA101	GA101	GG309	GA101	GA101	GX401
		Laboratory		Analabs	Analabs	Analabs	Analabs	Analabs	Analabs	Analabs

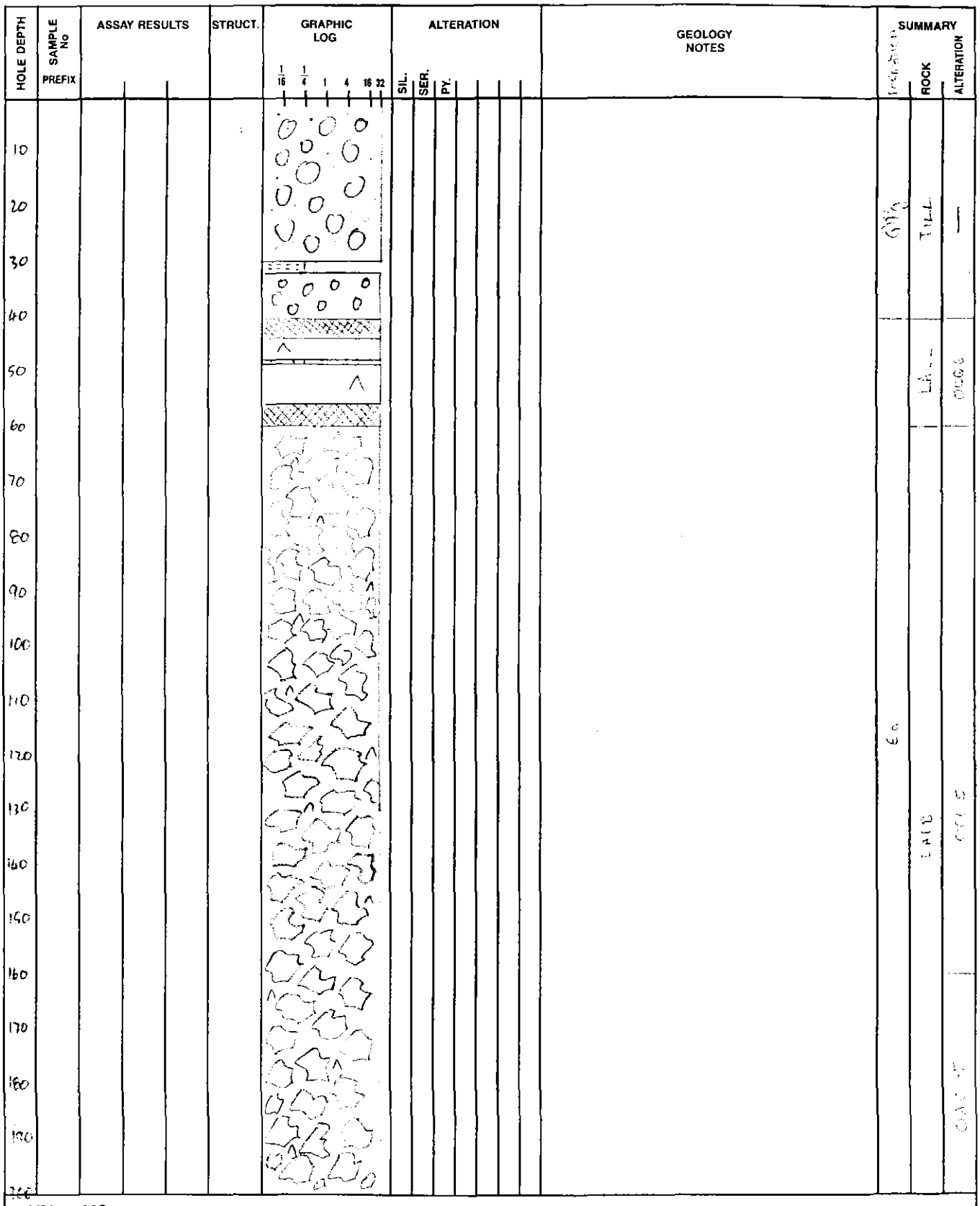
RGC EXPLORATION PTY LTD

365101
DRILL HOLE No TYNO15 (SUMMARY)

SHEET 1 OF 5

PROJECT	: BASIN LAKE EL 16/93
PROSPECT	: BASIN LAKE
DATE	:
LOGGED BY	:

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold



REMARKS

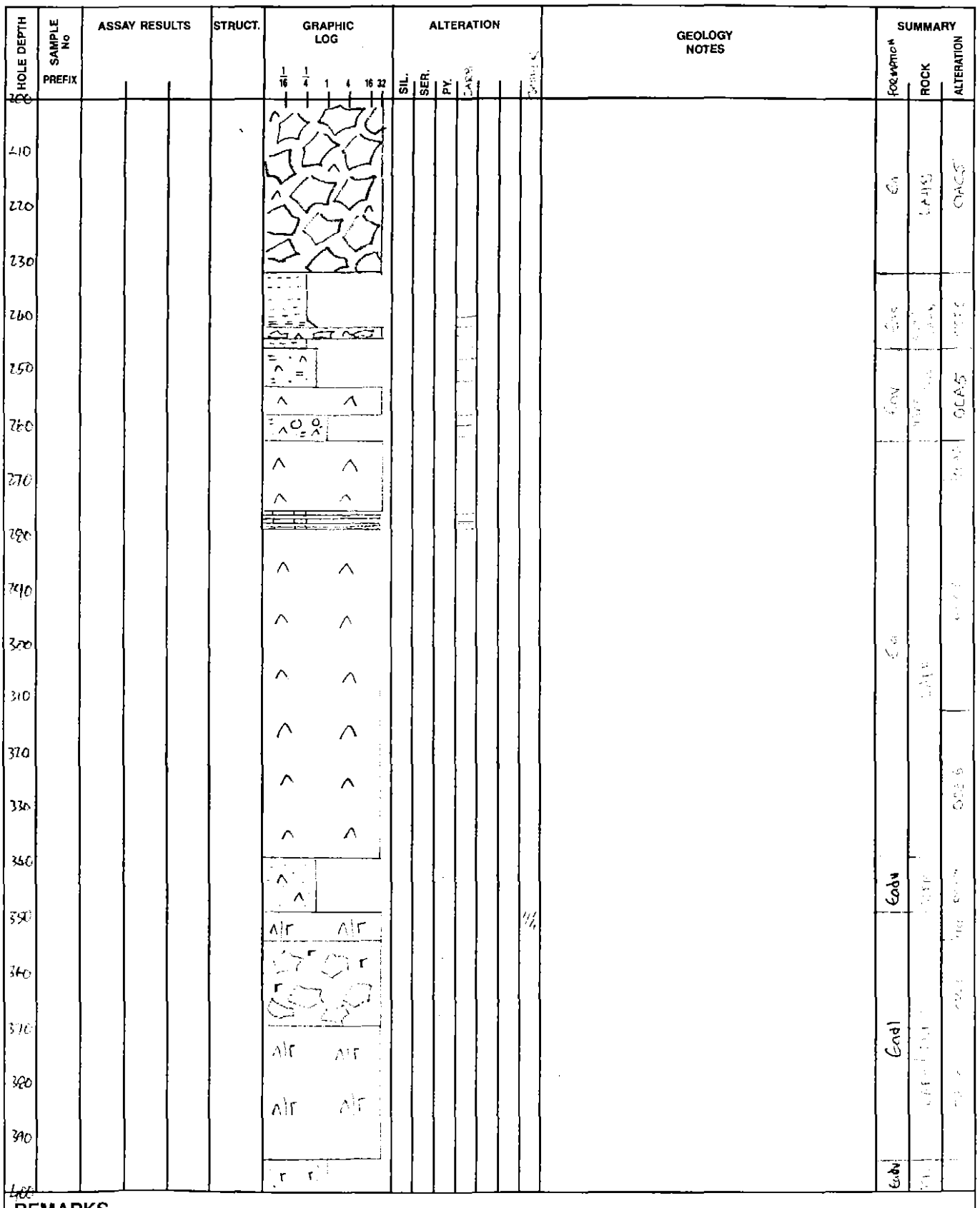
RGC EXPLORATION PTY LTD

365102
DRILL HOLE No TYNOIS (SUMMARY)

SHEET 2 OF 5

PROJECT	:
PROSPECT	:
DATE	:
LOGGED BY	:

- Bedding
- Cleavage
- Foliation
- Fault, Shear
- Breccia
- Broken core
- Disseminated
- Massive
- Pervasive
- Narrow vein
- * Visible gold



REMARKS

365103

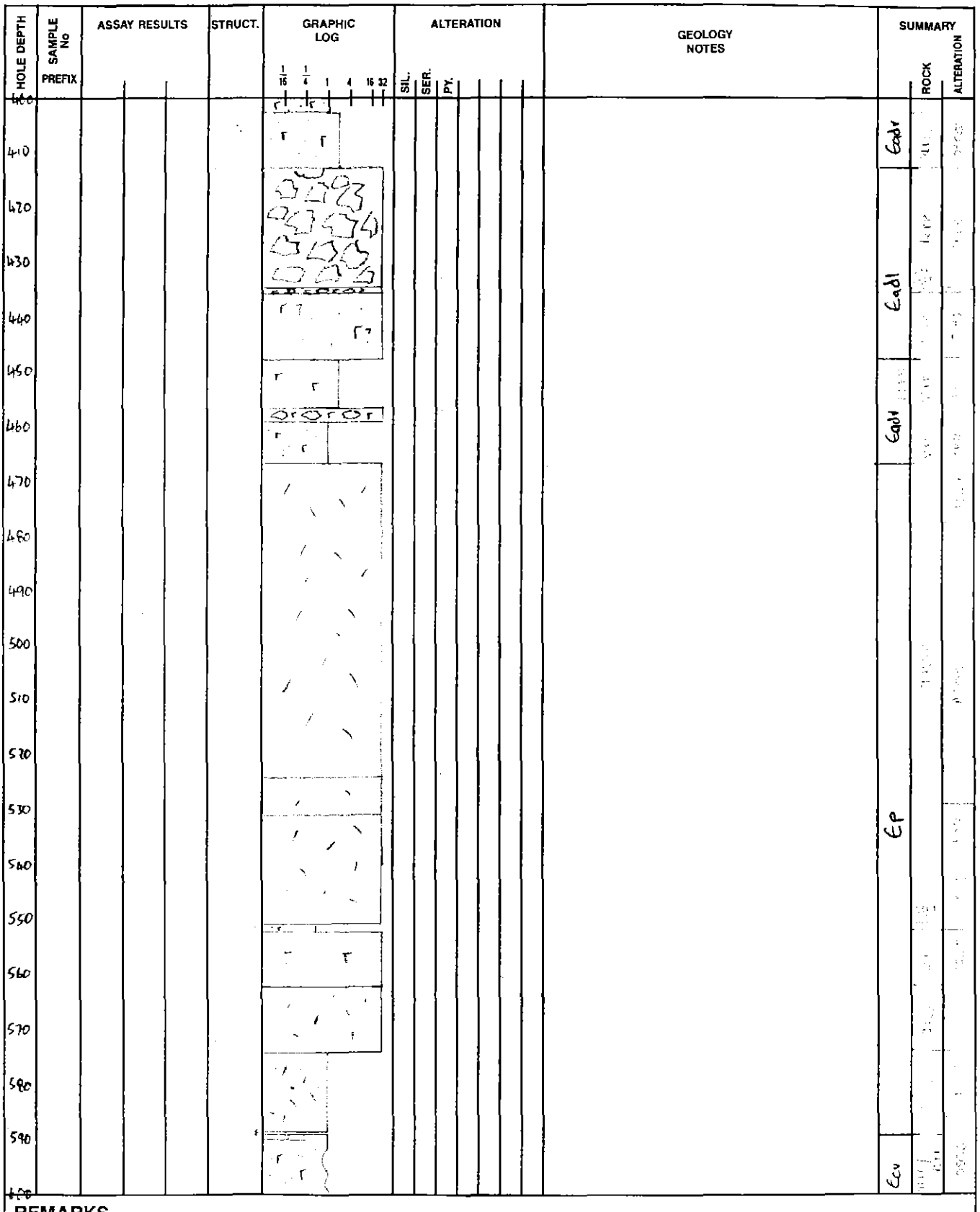
RGC EXPLORATION PTY LTD

DRILL HOLE No TUNO15 (SUMMARY)

SHEET 3 OF 5

PROJECT	:
PROSPECT	:
DATE	:
LOGGED BY	:

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold



REMARKS

RGC EXPLORATION PTY LTD

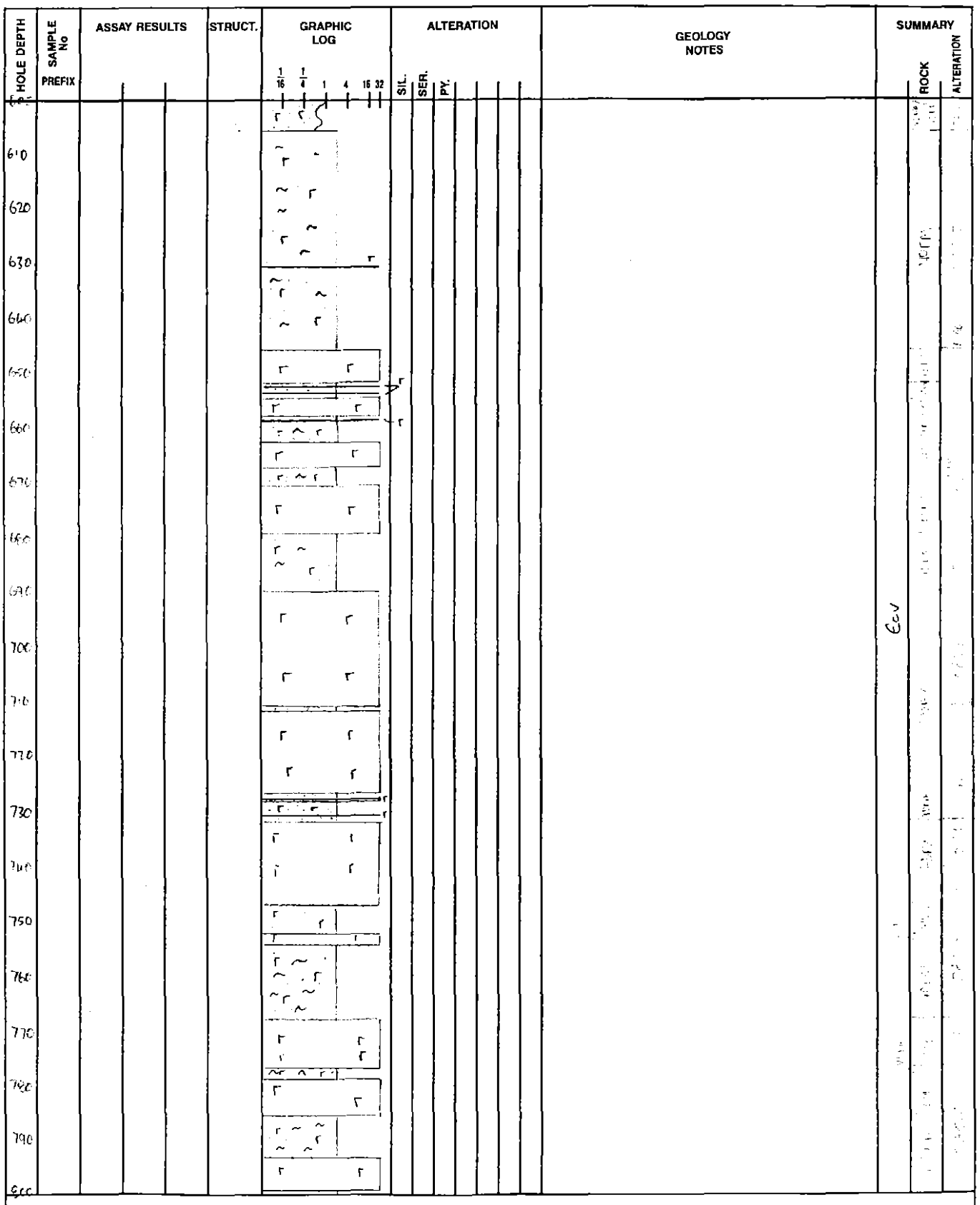
365104

DRILL HOLE No TYNO15 (SUMMARY)

SHEET 4 OF 5

PROJECT	:
PROSPECT	:
DATE	:
LOGGED BY	:

- Bedding
- Cleavage
- Foliation
- Fault, Shear
- Breccia
- Broken core
- Disseminated
- Massive
- Pervasive
- Narrow vein
- * Visible gold



REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No 365105 TYNOIS (SUMMARY)

SHEET 5 OF 5

PROJECT	:
PROSPECT	:
DATE	:
LOGGED BY	:

— Bedding
⌐ Cleavage
— Foliation
~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG (1/16, 1/4, 1, 4, 16, 32)	ALTERATION SIL.	SER.	PY.	GEOLOGY NOTES	SUMMARY ROCK	ALTERATION
800										
810									Ecv	
820				EOH = 822.5						

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No TWN 015

SHEET 2 OF 42

— Bedding
⌊ Cleavage
▲ Foliation
~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

PROJECT	: BASIN LAKE EL 1693
PROSPECT	: BASIN LAKE
DATE	:
LOGGED BY	:

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION SIL	SER	PY	GEOLOGY NOTES	SUMMARY ROCK	ALTERATION
20										
21										
22										
23										
24										
25										
26								25.2 - 30.1 as above A/C with pale pink sandy matrix		
27										
28										
29										
30										
31								30.1 - 31.6 pale cream mud	GRAD	
32								31.6 - 31.8 Quartz derived gravel overlying 10cm organic rich pale brown mud		
33								31.8 - 33.35 pebble-cobble sized clasts in firm light brown clayey matrix		
34								30% Ironstone clasts		
35										
36										
37										
38										
39								38 - 40.5 Occasionally coherent pebble-cobble gravelly deposit with greenish clay matrix (60%). Ironstone clasts)		
40										

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE TWN 015

SHEET 1 OF 42

— Bedding
⌊ Cleavage
▲ Foliation
~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

PROJECT	: BASIN LAKE EL 1693
PROSPECT	: BASIN LAKE
DATE	:
LOGGED BY	:

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION SIL	SER	PY	GEOLOGY NOTES	SUMMARY LITHOLOGY	ROCK	ALTERATION
1				Trecellar				0 - 25.2 Quaternary boulders / cobbles in pale brown sandy matrix (5% ironstone clasts)	GRAD	TILL	
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											

PD
PG

REMARKS

365106

RGC EXPLORATION PTY LTD

DRILL HOLE No TYNO15

SHEET 4 OF 42

PROJECT	: BASIN LAKE EL 14/93
PROSPECT	: BASIN LAKE
DATE	:
LOGGED BY	:

— Bedding
⌴ Cleavage
— Foliation
~~~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION (SIL, SER, PY, Cc-ab, Plb, Ep-ab) | GEOLOGY NOTES | SUMMARY (ROCK, ALTERATION)

51 63 63 66 66 67 68 69 70 71 72 73 74 76 76 77 78 79 80

Eo
LAH8
OCA-S
CC-S

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No TYNO15

SHEET 3 OF 42

PROJECT	: BASIN LAKE EL 14/93
PROSPECT	: BASIN LAKE
DATE	:
LOGGED BY	:

— Bedding
⌴ Cleavage
— Foliation
~~~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION (SIL, SER, PY, Cc-ab, Plb, Ep-ab) | GEOLOGY NOTES | SUMMARY (ROCK, ALTERATION)

41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60

40m - 46.0 Highly [illegible] Andesite

← minor hair calcspar fracture planes

46.0 - 46.0 Milky quartz Andesite

46.0 - 52.5 Relatively aphanitic andesite with minor fine carbonate fractures and occasional veinlets

52.5 - 56.3 Milky quartz andesite

56.3 - 60.0 Highly altered milky quartz andesite [illegible]

Eo
LAFA
LAF
TUFF

REMARKS

365107

RGC EXPLORATION PTY LTD

DRILL HOLE No TYNO15

SHEET 5 OF 42

— Bedding
⌴ Cleavage
— Foliation
~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

PROJECT	: BASIN LAKE EL 14/93
PROSPECT	: BASIN LAKE
DATE	:
LOGGED BY	:

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION (SIL, SER, PY, Carb, Alb, Chl)	GEOLOGY NOTES	SUMMARY ROCK	SUMMARY ALTERATION
80								
81								
82								
83								
84								
85								
86								
87								
88								
89								
90								
91								
92								
93								
94								
95								
96								
97								
98								
99								
100								

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No TYNO15

SHEET 6 OF 42

— Bedding
⌴ Cleavage
— Foliation
~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

PROJECT	: BASIN LAKE EL 14/93
PROSPECT	: BASIN LAKE
DATE	:
LOGGED BY	:

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION (SIL, SER, PY, Carb, Alb, Chl)	GEOLOGY NOTES	SUMMARY ROCK	SUMMARY ALTERATION
100								
104								
106								
108								
110								
112								
114								
116								
118								
120								

REMARKS

365103

RGC EXPLORATION PTY LTD

DRILL HOLE No THN015

SHEET 7 OF 42

PROJECT	: BASIN LAKE EL 1693
PROSPECT	: BASIN LAKE
DATE	:
LOGGED BY	:

— Bedding
⌴ Cleavage
▲ Foliation
~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

DRILL HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION	GEOLOGY NOTES	SUMMARY
122					Sil. Ser. Py. Carb Alb Epid		ROCK: En / ALTERATION: SILS
124							
126							
128							
130							
132							
134							
136							
138							
140							

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No THN015

SHEET 8 OF 42

PROJECT	: BASIN LAKE EL 1693
PROSPECT	: BASIN LAKE
DATE	:
LOGGED BY	:

— Bedding
⌴ Cleavage
▲ Foliation
~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

DRILL HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION	GEOLOGY NOTES	SUMMARY
142					Sil. Ser. Py. Carb Alb Epid		ROCK: Co / ALTERATION: SILS
144							
146							
148							
150							
152							
154							
156							
158							
160							

REMARKS

365109

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN015

SHEET 9 OF 42

PROJECT	: Basin Lake EL 4103
PROSPECT	: Basin Lake
DATE	:
LOGGED BY	:

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION (SIL. SER. PY. CA. MG. CL.) | GEOLOGY NOTES | SUMMARY (ROCK, ALTERATION)

SUMMARY: Gn LAMB VCS

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN015

SHEET 10 OF 42

PROJECT	: Basin Lake EL 4103
PROSPECT	: Basin Lake
DATE	:
LOGGED BY	:

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION (SIL. SER. PY. CA. MG. CL.) | GEOLOGY NOTES | SUMMARY (ROCK, ALTERATION)

SUMMARY: Gn LAMB

REMARKS

365110

RGC EXPLORATION PTY LTD

DRILL HOLE No TUNDRA

SHEET 11 OF 42

PROJECT	: Basin Lake EL 4153
PROSPECT	: Basin Lake
DATE	:
LOGGED BY	:

— Bedding
⌴ Cleavage
—▲— Foliation
~~~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION	GEOLOGY NOTES	SUMMARY ROCK	SUMMARY ALTERATION
200					SIL. SER. PY. Carb Alb Chl			
202								
204								
206								
208								
210								
212								
214								
216								
218								
220								

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No TUNDRA

SHEET 12 OF 42

PROJECT	: Basin Lake EL 4153
PROSPECT	: Basin Lake
DATE	:
LOGGED BY	:

— Bedding
⌴ Cleavage
—▲— Foliation
~~~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION	GEOLOGY NOTES	SUMMARY ROCK	SUMMARY ALTERATION
222					SIL. SER. PY. Carb Alb Chl			
224								
226								
228								
230								
232								
234								
236								
238								
240								

REMARKS

365111

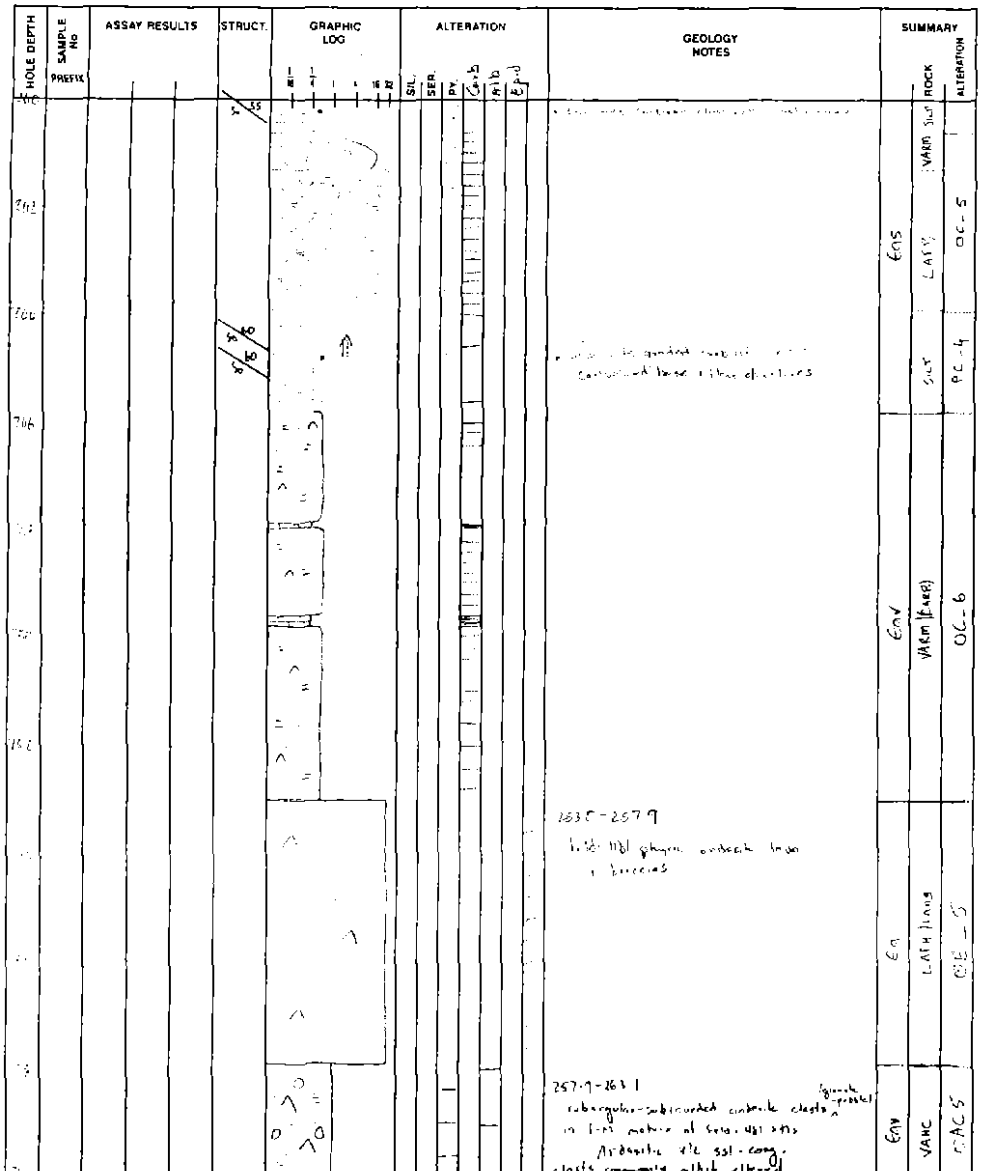
RGC EXPLORATION PTY LTD

DRILL HOLE No [illegible]

SHEET 13 OF 42

PROJECT	: Basin Lake [illegible]
PROSPECT	: Basin Lake
DATE	:
LOGGED BY	:

- Bedding
- Cleavage
- Foliation
- Fault, Shear
- Breccia
- Broken core
- Disseminated
- Massive
- Pervasive
- Narrow vein
- * Visible gold



REMARKS

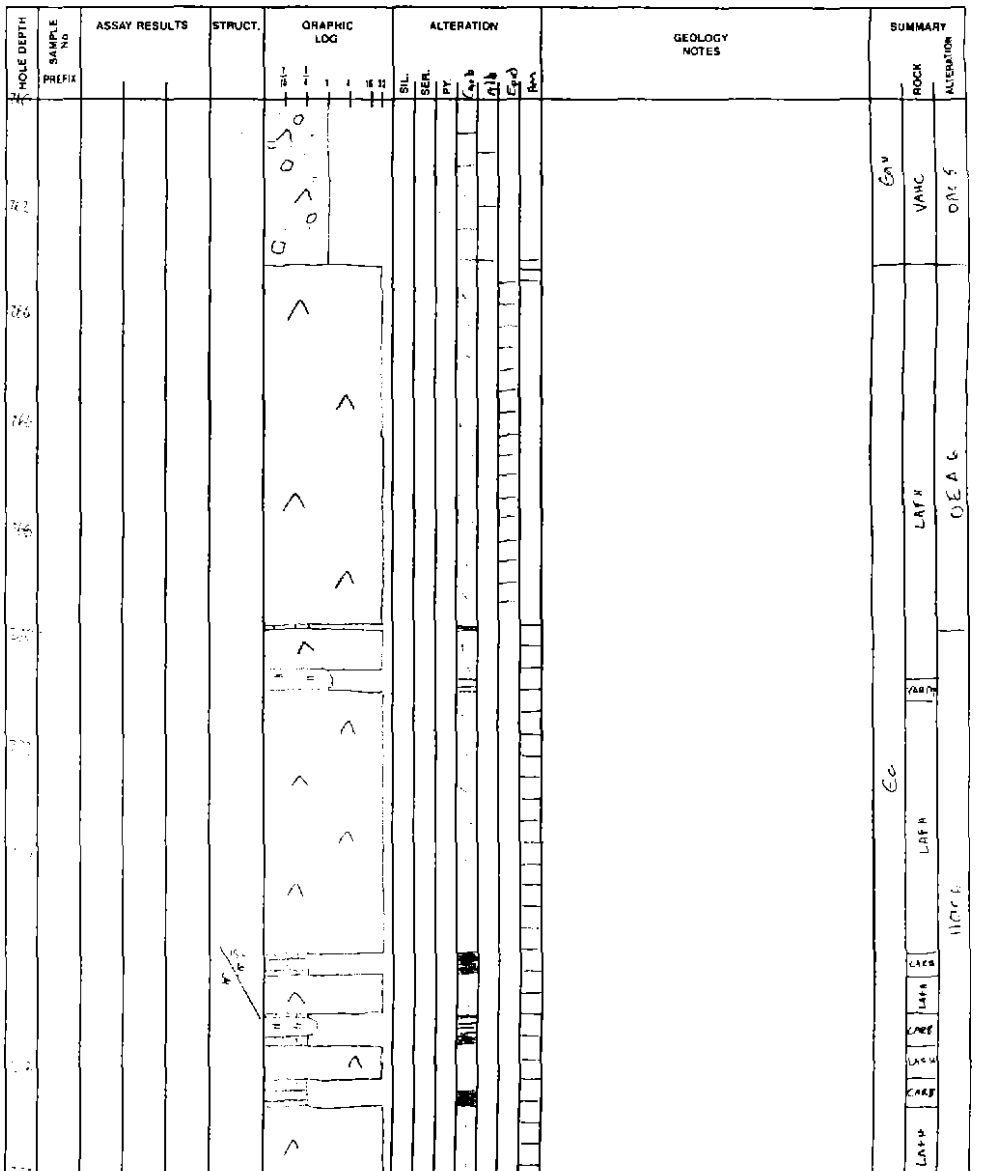
RGC EXPLORATION PTY LTD

DRILL HOLE No [illegible]

SHEET 14 OF 42

PROJECT	: Basin Lake [illegible]
PROSPECT	: Basin Lake
DATE	:
LOGGED BY	:

- Bedding
- Cleavage
- Foliation
- Fault, Shear
- Breccia
- Broken core
- Disseminated
- Massive
- Pervasive
- Narrow vein
- * Visible gold



REMARKS

39511?

RGC EXPLORATION PTY LTD

DRILL HOLE No TLH015

SHEET 15 OF 42

PROJECT	: Basin Lake EL 4103
PROSPECT	: Basin Lake
DATE	:
LOGGED BY	:

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION (SIL, SER, PY, Ca-b, Alb, Epid, Hem) | GEOLOGY NOTES | SUMMARY (ROCK, ALTERATION)

SUMMARY: ROCK: Ea LAFH; ALTERATION: HOC 6

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No TLH015

SHEET 16 OF 42

PROJECT	: Basin Lake EL 4103
PROSPECT	: Basin Lake
DATE	:
LOGGED BY	:

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION (SIL, SER, PY, Ca-b, Alb, Epid, Hem) | GEOLOGY NOTES | SUMMARY (ROCK, ALTERATION)

311.5 - Andesite becomes distinctly more chloritic. Phenocrysts absent or obliterated by alteration

SUMMARY: ROCK: Ea; ALTERATION: HOC 6 / OCE 6

REMARKS

36311S

RGC EXPLORATION PTY LTD

DRILL HOLE No 77NO15

SHEET 17 OF 42

PROJECT	: Basin Lake EL 4/93
PROSPECT	: Basin Lake
DATE	:
LOGGED BY	:

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH | SAMPLE No PREFIX D36 | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION (SIL. SER. Py.) | GEOLOGY NOTES | SUMMARY (ROCK, ALTERATION)

322 324 326 328 330 332 334 336 338

01

← EL BOUNDARY

EQ
LAM
QSCB
QTZ VEIN
VEIN
WEAK

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE 77NO15

SHEET 18 OF 42

PROJECT	: Basin Lake EL 4/93
PROSPECT	: Basin Lake
DATE	:
LOGGED BY	:

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH | SAMPLE No PREFIX D36 | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION (SIL. SER. Py. Carb. Chl.) | GEOLOGY NOTES | SUMMARY (ROCK, ALTERATION)

342 344 346 348 350 352 354 356 358

02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 21 22

Epd-Qtz-carb
Epd-Qtz-carb
A/F
A/F
A/F
A/F

up to 10% disseminated pyrite

3518.7 - 3542.2

QTZ VEIN
VEIN
VDFM
LAM / LOAM
QSCB
EQ06
PC-7

REMARKS

365114

RGC EXPLORATION PTY LTD

DRILL HOLE No TUNO15

SHEET 19 OF 42

PROJECT	: BASIN LAKE EL 16/93
PROSPECT	: BASIN LAKE
DATE	:
LOGGED BY	:

Bedding · Cleavage · Foliation · Fault, Shear · Breccia · Broken core
Disseminated · Massive · Pervasive · Narrow vein · * Visible gold

HOLE DEPTH	SAMPLE No PREFIX 038	ASSAY RESULTS Cu	Pb	Zn	STRUCT.	GRAPHIC LOG	ALTERATION SIL.	SER.	PY.	GEOLOGY NOTES	SUMMARY ROCK	ALTERATION
360	23	160	10	67							LOFB	OP-6
	24	71	12	71								
362	25	138	11	91		LOFB						
	26	30	10	71								
364	27	72	12	62								
	28	42	13	72								
366	29	75	18	69								
	30	102	79	66								
368	31	97	10	64								
	32	89	33	56								
370	33	90	10	73		NP				369.7 med dk- wk cpy sil zone & feldspar porphyritic? phyric andesite host - siliceous		
	34	105	45	72								
372	35	57	9	70		NP						
	36	32	5	38								
374	37	14		21								
	38	2	2	58								
376	39	22	7	81		NP						
	41	78	58	100								
378	42	11	11	80		NP						
	43	82	12	72								
380												

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No TUNO15

SHEET 20 OF 42

PROJECT	: BASIN LAKE EL 16/93
PROSPECT	: BASIN LAKE
DATE	:
LOGGED BY	:

Bedding · Cleavage · Foliation · Fault, Shear · Breccia · Broken core
Disseminated · Massive · Pervasive · Narrow vein · * Visible gold

HOLE DEPTH	SAMPLE No PREFIX 038	ASSAY RESULTS Cu	Pb	Zn	STRUCT.	GRAPHIC LOG	ALTERATION SIL.	SER.	PY.	GEOLOGY NOTES	SUMMARY ROCK	ALTERATION
380	46	53	15	73							LAFI/LDF/	
	45	35	12	75								
382	46	86	22	71								
	47	85	17	7								
384	48	76	5	75								
	49	75	25	89								
386	50	71	25	31								
	51	76	25	84								
388	52	67	35	69								
	53	58	60	79								
390	54	44	58	8								
	55	32	138	74								
392	56		22	72								
	57		12	2								
394	58		6	1						* base metals 385.0 - 387.6		
	59			1								
396	61			1								
	62											
398	63											
	64											
400												

REMARKS

CTTC05

RGC EXPLORATION PTY LTD

DRILL HOLE No [illegible]

SHEET 21 OF 42

PROJECT	: Basin Lake [illegible]
PROSPECT	: Basin Lake
DATE	:
LOGGED BY	:

— Bedding
⌴ Cleavage
— Foliation
~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH	SAMPLE No PREFIX 6314	ASSAY RESULTS Cu	Pb	Zn	STRUCT.	GRAPHIC LOG	ALTERATION SIL.	SER.	PY.	GEOLOGY NOTES	SUMMARY ROCK	ALTERATION
	66										VUFF	OPCS
	66											
	67											
	66											
	69											
	70											
	71											
	72		12									
	73		8								VFDA	QALCS
	74										CLTB	
	75											
	76											
	77											
	78											
	79											
	81										LOFB	ORCS
	82											
	83											
	84											
	85											

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE [illegible]

SHEET 22 OF 42

PROJECT	: Basin Lake [illegible]
PROSPECT	: Basin Lake
DATE	:
LOGGED BY	:

— Bedding
⌴ Cleavage
— Foliation
~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH	SAMPLE No PREFIX 6314	ASSAY RESULTS Cu	Pb	Zn	STRUCT.	GRAPHIC LOG	ALTERATION SIL.	SER.	PY.	GEOLOGY NOTES	SUMMARY ROCK	ALTERATION
	86											
	87											
	88											
	89											
	90											
	91											
	92											
	93											
	94											
	95									sph-py-(ccp?) in carb vein.		
	96											
	97											
	98											
	99											
	435 01											
	02											
	03											
	04											
	05											
	06											

REMARKS

365116

RGC EXPLORATION PTY LTD

DRILL HOLE No 74N015

SHEET 23 OF 42

— Bedding
⌴ Cleavage
▲ Foliation
~~~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

PROJECT	: BASIN LAKE EL 16/93
PROSPECT	: BASIN LAKE
DATE	:
LOGGED BY	:

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS Cu Pb Zn | STRUCT | GRAPHIC LOG | ALTERATION SIL. SER. PY. | GEOLOGY NOTES | SUMMARY ROCK ALTERATION

07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 26 27

LD-1 CHC6 VDFF POC6 CCP5

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No 74N015

SHEET 24 OF 42

— Bedding
⌴ Cleavage
▲ Foliation
~~~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

PROJECT	: BASIN LAKE EL 16/93
PROSPECT	: BASIN LAKE
DATE	:
LOGGED BY	:

HOLE DEPTH | SAMPLE No PREFIX 435 | ASSAY RESULTS Cu Pb Zn | STRUCT | GRAPHIC LOG | ALTERATION SIL. SER. PY. | GEOLOGY NOTES | SUMMARY ROCK ALTERATION

28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47

659.8 - 667.2
Predominantly fine grained feldspar phyric dacitic volcaniclastic sandstone. Sparse dacite hyaloclastite zones.

CHC6 VDFF QPS6 PS-7 ASS-

REMARKS

3651117

RGC EXPLORATION PTY LTD

DRILL HOLE No T4N015

SHEET 25 OF 42

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

PROJECT	:
PROSPECT	:
DATE	:
LOGGED BY	:

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS Cu	Pb	Zn	STRUCT.	GRAPHIC LOG	ALTERATION BIL.	SER.	K	GEOLOGY NOTES	SUMMARY ROCK	ALTERATION
480	48											
	49											
487	51											
	52											
	53				S/65							
	54											
					S/35							
	58											
	60											
	6											
					S/20							

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No T4N015

SHEET 26 OF 42

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

PROJECT	:
PROSPECT	:
DATE	:
LOGGED BY	:

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS Cu	Pb	Zn	STRUCT.	GRAPHIC LOG	ALTERATION SIL.	SER.	PY.	K	CHL.	GEOLOGY NOTES	SUMMARY ROCK	ALTERATION
	69													
502	70				S/50									
	71													
	72													
508	73													
	76													
	77				S/65									
516	78													
	79													
	80													
	81													
524	82													
	83													
	84				S/65									
	85													
536	86													
	87													
548	88													
	89													

REMARKS

365118

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN015

SHEET 27 OF 42

PROJECT	:
PROSPECT	:
DATE	:
LOGGED BY	:

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH | SAMPLE No PREFIX 555 | ASSAY RESULTS Cu Pb Zn | STRUCT. | GRAPHIC LOG 1/8 1/2 1 4 16 32 | ALTERATION SIL SER PY CARB | GEOLOGY NOTES | SUMMARY ROCK ALTERATION

520
90
91
522
92
93
524
94
95
526
96
97
528
98
99
530
J 61
62
532
63
534
64
536
65
66
538
67
68
540
10

S45
S45
S60

523.7 - 531.1
fold-qtz phyric porphyry
- sparse qtz phyric [illegible]

531.1 - [illegible]
[illegible]-feldspar phyric Porphyry

ASOS
IR>I
ASOS
POSG
SS.G

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN015

SHEET 28 OF 42

PROJECT	:
PROSPECT	:
DATE	:
LOGGED BY	:

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH | SAMPLE No PREFIX 556 | ASSAY RESULTS Cu Pb Zn | STRUCT. | GRAPHIC LOG 1/8 1/2 1 4 16 32 | ALTERATION SIL SER PY CARB | GEOLOGY NOTES | SUMMARY ROCK ALTERATION

540
11
12
542
13
14
544
15
16
546
17
18
548
19
20
550
21
22
552
23
24
554
26
27
556
28
29
558
30
31
560

S60
S60
S60
S60
S35

551-552 fine to [illegible] vfc set
- Perhaps chilled margin to dyke

552 - 556.2
moderately chloritic
[illegible] dolerite
(intrusive ?)
[illegible]

EQIV
IR>I
VOFF
EQIV
LOFF
SS.G

REMARKS

365119

RGC EXPLORATION PTY LTD

DRILL HOLE No TMN015

SHEET 29 OF 62

— Bedding
⌐ Cleavage
— Foliation
~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

PROJECT	:
PROSPECT	:
DATE	:
LOGGED BY	:

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS Cu Pb Zn | STRUCT. | GRAPHIC LOG | ALTERATION SIL. SER. PY. | GEOLOGY NOTES | SUMMARY ROCK ALTERATION

562.2 – 576.5

high to elevated Qtz-feldspar phyric porphyry. schistose sericite-pyrite alteration

Schistose ... sericite ... alteration ...

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No TMN015

SHEET 30 OF 62

— Bedding
⌐ Cleavage
— Foliation
~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

PROJECT	:
PROSPECT	:
DATE	:
LOGGED BY	:

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS Cu Pb Zn | STRUCT. | GRAPHIC LOG | ALTERATION SIL. SER. PY. | GEOLOGY NOTES | SUMMARY ROCK ALTERATION

588.4 – 605.9

Interbedded f-m gr dacitic volcaniclastic sandstones

Characteristic stripey chlorite (yellow-green) alteration

REMARKS

365120

RGC EXPLORATION PTY LTD

DRILL HOLE No TWN015

SHEET 31 OF 42

PROJECT	:
PROSPECT	:
DATE	:
LOGGED BY	:

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION (SIL. SER. PY. Alb) | GEOLOGY NOTES | SUMMARY (ROCK ALTERATION)

602 606 610 614 618

73 74 76 77 78

605.9 605.8
M gr feldspar rich dacitic volcaniclastic rock
feldspar phenocrysts ≤2mm
Patchy chlorite alteration

CLLAV VDST VDST VDLT OASS OA-S

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No TWN015

SHEET 32 OF 42

PROJECT	:
PROSPECT	:
DATE	:
LOGGED BY	:

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION (SIL. SER. PY. Carb) | GEOLOGY NOTES | SUMMARY (ROCK ALTERATION)

620 622 624 626 628 630 632 634 636 638 640

CLLAV VDLT VDST

REMARKS

365121

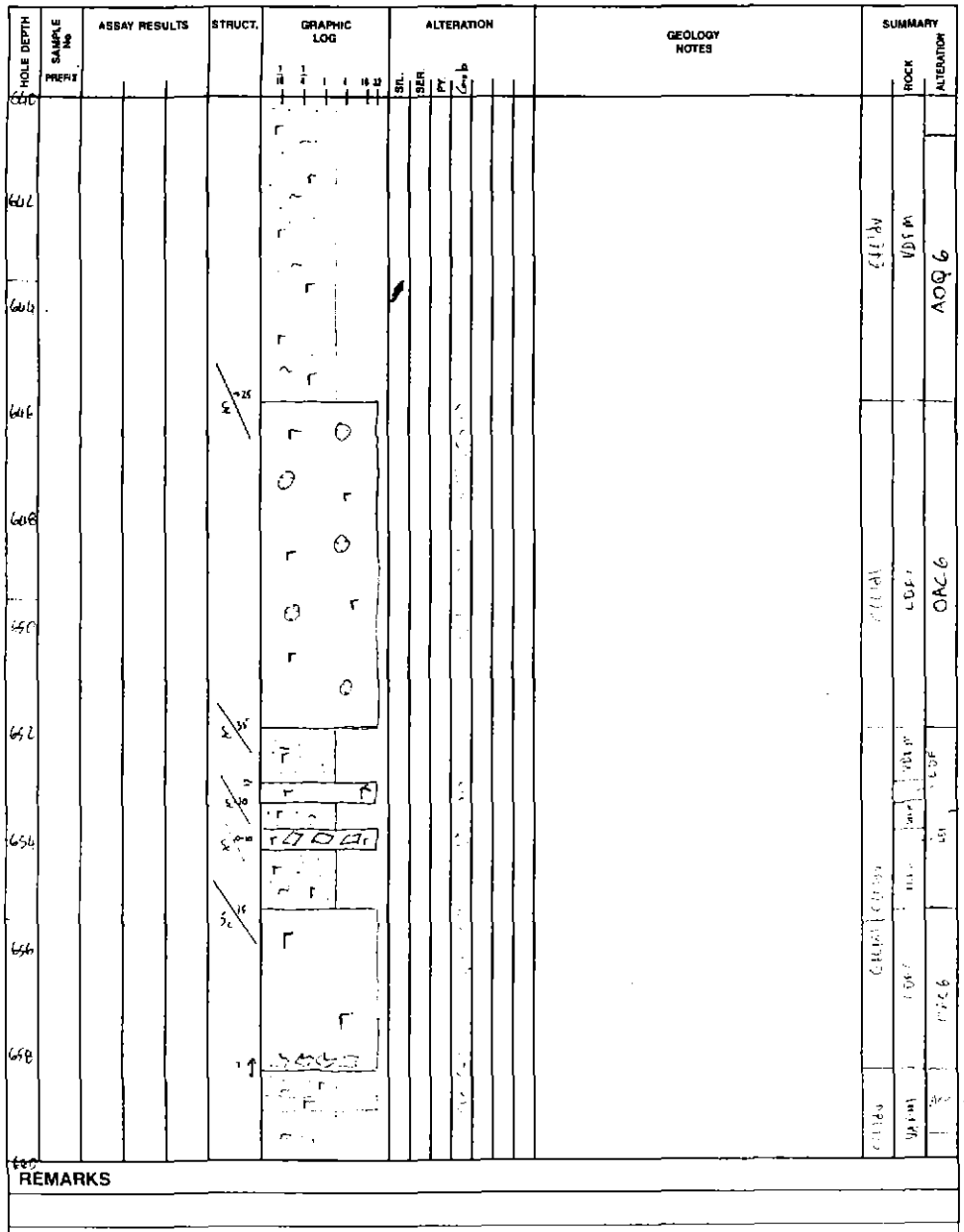
RGC EXPLORATION PTY LTD

DRILL HOLE No TYNO15

SHEET 33 OF 42

PROJECT	:
PROSPECT	:
DATE	:
LOGGED BY	:

— Bedding
⌴ Cleavage
—▲— Foliation
~~~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold



REMARKS

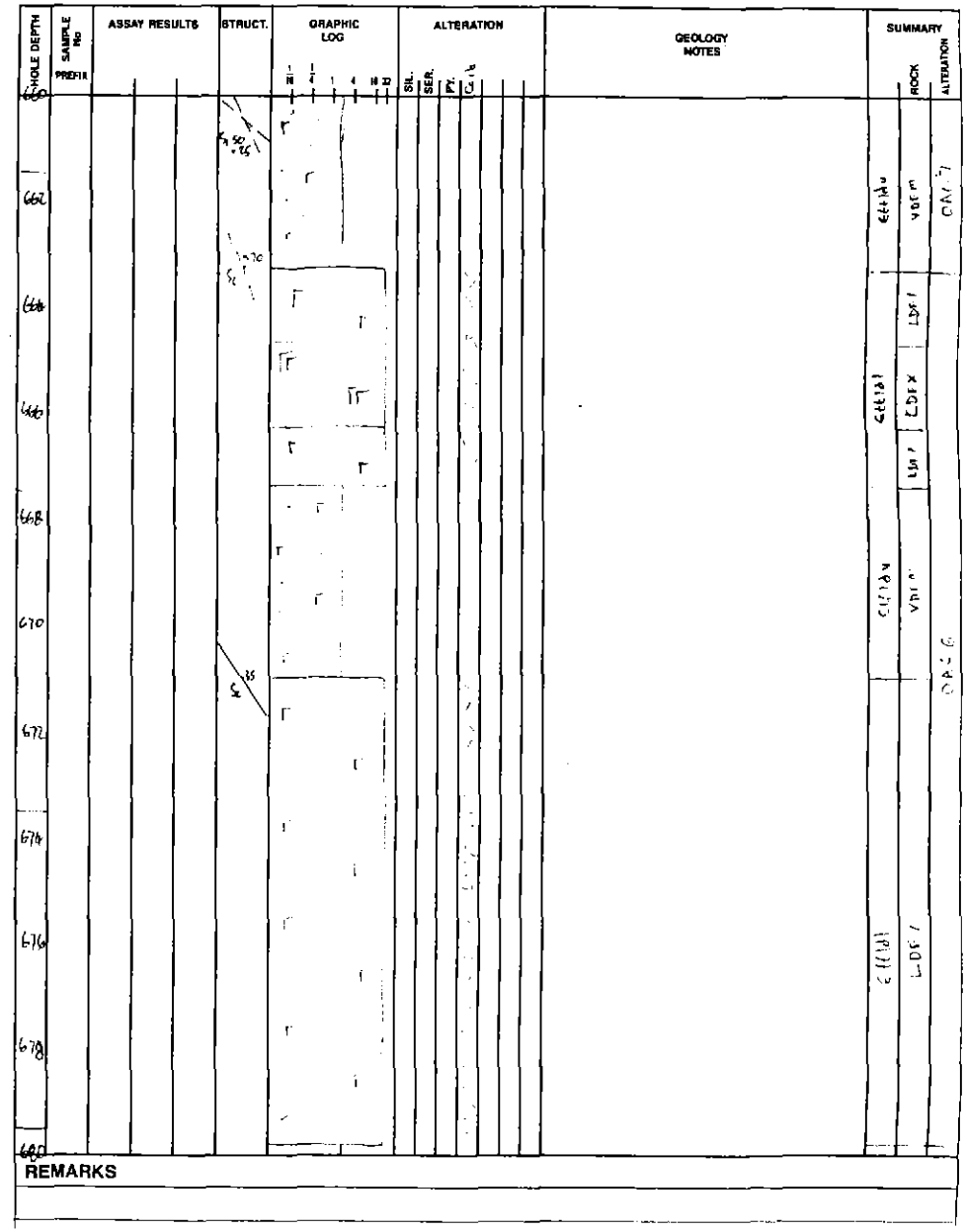
RGC EXPLORATION PTY LTD

DRILL HOLE No TYNO15

SHEET 34 OF 42

PROJECT	:
PROSPECT	:
DATE	:
LOGGED BY	:

— Bedding
⌴ Cleavage
—▲— Foliation
~~~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold



REMARKS

3651229

RGC EXPLORATION PTY LTD

DRILL HOLE No TMN015

SHEET 35 OF 42

PROJECT	:
PROSPECT	:
DATE	:
LOGGED BY	:

— Bedding
⌊ Cleavage
—▲— Foliation
~~~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION SIL SER PY CARB	GEOLOGY NOTES	SUMMARY ROCK	SUMMARY ALTERATION
680						679 B - 690 Z Unstratified interbedded volcaniclastic sandstone, lesser mudstone, volcaniclastic sediments.		
682								
684								
686								
688								
690								
692								
694								
696								

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No TMN015

SHEET 36 OF 42

PROJECT	:
PROSPECT	:
DATE	:
LOGGED BY	:

— Bedding
⌊ Cleavage
—▲— Foliation
~~~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION SIL SER PY CARB	GEOLOGY NOTES	SUMMARY ROCK	SUMMARY ALTERATION
700								
702								
704								
706								
708								
710								
712								
714								
716								
718								

REMARKS

365123

RGC EXPLORATION PTY LTD

DRILL HOLE No [illegible]

SHEET 37 OF 47

PROJECT	:
PROSPECT	:
DATE	:
LOGGED BY	:

— Bedding
⌙ Cleavage
—▲— Foliation
~~~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION (SIL. SER. PY.) | GEOLOGY NOTES | SUMMARY ROCK ALTERATION

720 722 724 726 728 730 732 734 736

LDF1 MOL6 LDF1 MOL6 MOL6 CMS6

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No [illegible]

SHEET 38 OF 47

PROJECT	:
PROSPECT	:
DATE	:
LOGGED BY	:

— Bedding
⌙ Cleavage
—▲— Foliation
~~~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION (SIL. SER. PY.) | GEOLOGY NOTES | SUMMARY ROCK ALTERATION

762 764 766 768 770 772 774 776 778

LDF1 MOL6 CMS6

REMARKS

36512

RGC EXPLORATION PTY LTD

DRILL HOLE No TMN015

SHEET 39 OF 62

— Bedding
⌴ Cleavage
— Foliation
~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

PROJECT	:
PROSPECT	:
DATE	:
LOGGED BY	:

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION (SIL. SER. PY.) | GEOLOGY NOTES | SUMMARY (ROCK, ALTERATION)

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No TMN015

SHEET 40 OF 47

— Bedding
⌴ Cleavage
— Foliation
~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

PROJECT	:
PROSPECT	:
DATE	:
LOGGED BY	:

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION (SIL. SER. PY.) | GEOLOGY NOTES | SUMMARY (ROCK, ALTERATION)

REMARKS

365125

RGC EXPLORATION PTY LTD

DRILL HOLE No TUNO15

SHEET 41 OF 42

PROJECT	:
PROSPECT	:
DATE	:
LOGGED BY	:

— Bedding
⌴ Cleavage
—▲— Foliation
~~~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION (BIL. SER. PY.) | GEOLOGY NOTES | SUMMARY (ROCK, ALTERATION)

* pumice (chl wisps) // to S1

steeply broken - ruggy

S1 and contact at ≥ 30° to CA

steeply dipping broken

near zone // S1

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No TUNO15

SHEET 42 OF 42

PROJECT	:
PROSPECT	:
DATE	:
LOGGED BY	:

— Bedding
⌴ Cleavage
—▲— Foliation
~~~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION (SIL. SER. PY.) | GEOLOGY NOTES | SUMMARY (ROCK, ALTERATION)

EOH = 822.3

REMARKS

365126

APPENDIX 5

TYN011 Drill log and Assays

RGC EXPLORATION DRILL HOLE RECORD

HOLE NUMBER	TYN011	**DRILLED BY**	DDTAS
PROJECT	Basin Lake	**NORTHING**	5353347
PROSPECT	Basin Lake	**EASTING**	381001
DESIGNED BY	M Vicary + S Halley	**RL**	581
LOGGED BY	S Corlett	**INCLINATION**	-70
COMMENCED	July 1996	**AZIMUTH**	090 AMG
FINISHED	August 1996	**EOH**	489.2

PURPOSE

To test for massive sulphide mineralisation at the Central Volcanic Sequence - Anthony Road Andesite contact adjacent to the Great Lyell Fault. The hole was collared 700m north of hole BL001 which intersected weak basemetal mineralisation (9.0m at 0.13% Pb, 0.45% Zn and 4 g/t Ag) at the target horizon. Hole BL002 was collared 150m to the west but failed to intersect the exhalite horizon. It was targeted at a combined chargeability and UTEM anomaly which was explained by a black siltstone horizon.

SURVEY DATA

DEPTH	INC.	AZ.	DEPTH	INC.	AZ.	DEPTH	INC.	AZ.
0	-70	090	180	-71	090	360	-58.8	086
30	-70	090	210	-71	090	390	-54	084.5
60	-70	090	240	-70	089	420	-53	087
90	-70	090	270	-69.5	090	450	-52	088
120	-71	090	300	-68.7	089	480	-51	089.5
150	-72	090	330	-67.2	087	489.2	-50.8	090

DRILLING DATA

HOLE SIZE	DEPTH	COMMENTS
HQ	0 - 166.5	
NQ	166.5 - 489.2	Hole cased with PVC to 489.2m.

SUMMARY

Summary Log:-	
0 - 46.5	Glacials
46.5 - 115.3	Black Siltstone
115.3 - 175.8	Intensely broken ser-pyr andesite + andesitic v/c sandstone
175.8 - 261.2	Andesite
261.2 - 282.0	Andesitic volcaniclastic sandstone
282.0 - 282.5	Fault
282.5 - 457.9	Interbedded rhyolitic intrusives and volcaniclastic sediments within intense pyrite - sericite alteration
457.8 - 489.2	Interbedded dacitic volcaniclastic sandstone and black pyritic siltstone.

The hole intersected a significant sericite - pyrite alteration zone from 282.0 to 444.0m. It occurs within a rhyoltic intrusive body that forms the footwall to the Target Horizon. The contact between the Anthony Road Andesite and the Target Horizon at 282.0 was faulted and no carbonate exhalites were intersected. It is uncertian whether these are absent or have been faulted out. The alteration zone returned only lower order basemetal values and averaged 162m at 131ppm Cu, 111ppm Pb and 307ppm Zn. This included a best interval of 17m at 0.12% Zn.

SAMPLE	HOLE	DEPTHF	DEPTHT	CU_A	PB_A	ZN_A	MN_A	AG_A	AU_G
43101	TYN011	115.3	117.1	62	44	276	272	-1	-0.008
43102	TYN011	117.1	118	77	-5	140	694	-1	-0.008
43103	TYN011	118	119	54	20	121	593	-1	-0.008
43104	TYN011	119	120	96	45	114	550	-1	-0.008
43105	TYN011	120	120.7	71	58	254	479	-1	-0.008
43106	TYN011	120.7	121.7	48	38	201	496	-1	-0.008
43107	TYN011	121.7	124.5	37	93	228	514	-1	-0.008
43108	TYN011	124.5	127.5	72	182	275	592	-1	-0.008
43109	TYN011	127.5	128.8	126	98	261	541	-1	0.015
43110	TYN011	128.8	131.1	147	27	145	615	1	-0.008
43111	TYN011	131.1	132.9	64	70	224	349	-1	-0.008
43112	TYN011	132.9	133.5	88	25	114	489	-1	-0.008
43113	TYN011	133.5	135	18	45	117	1041	-1	-0.008
43114	TYN011	135	136	93	53	108	580	-1	0.019
43116	TYN011	136	137	62	30	112	693	-1	-0.008
43117	TYN011	137	138.1	52	27	110	809	-1	-0.008
43118	TYN011	138.1	140.4	73	72	105	515	-1	-0.008
43119	TYN011	140.4	143.4	105	15	136	660	-1	-0.008
43120	TYN011	143.4	144.8	42	8	123	638	-1	-0.008
43121	TYN011	144.8	146.1	30	-5	138	860	-1	-0.008
43122	TYN011	146.1	147.5	137	7	132	784	-1	-0.008
43123	TYN011	147.5	150	79	11	92	619	-1	-0.008
43124	TYN011	150	151.5	101	32	192	3555	-1	-0.008
43125	TYN011	151.5	154	103	23	341	1108	-1	-0.008
43126	TYN011	154	157.5	92	10	136	655	-1	-0.008
43127	TYN011	157.5	159.5	13	9	112	784	-1	-0.008
43128	TYN011	159.5	163.5	15	-5	126	2825	-1	-0.008
43129	TYN011	163.5	164.8	14	-5	143	1006	-1	-0.008
43131	TYN011	164.8	165.3	26	-5	120	876	-1	-0.008
43132	TYN011	165.3	166.5	6	-5	131	568	-1	-0.008
43133	TYN011	166.5	169	28	32	171	434	-1	-0.008
43134	TYN011	169	170.2	31	12	166	362	-1	-0.008
43135	TYN011	170.2	172.5	330	786	620	269	-1	-0.008
43136	TYN011	172.5	174.9	131	475	717	1348	-1	-0.008
43137	TYN011	174.9	176	162	236	318	1223	-1	-0.008
	Average			77	73	195	811	NA	NA
	Maximum			330	786	717	3555	1	0.019
	Minimum			6	-5	92	269	-1	-0.008
	Detection Limit (ppm)			4	5	4	5	2	0.008
	Assay Method			GA101	GA101	GA101	GA101	GA101	GG309
	Laboratory			Analabs	Analabs	Analabs	Analabs	Analabs	Analabs

SAMPLE	HOLE	DEPTHF	DEPTHT	Ti_X	Zr_X	Ti/Zr	Rock Type
43101	TYN011	115.3	117.1	3365	162	20.7716	VAFM/FALT
43102	TYN011	117.1	118	2830	153	18.49673	LAF/
43103	TYN011	118	119	2920	172	16.97674	LAF/
43104	TYN011	119	120	2585	161	16.0559	LAF/
43105	TYN011	120	120.7	2690	164	16.40244	LAF/
43106	TYN011	120.7	121.7	2820	170	16.58824	LAF/
43107	TYN011	121.7	124.5	3235	177	18.27684	LAF/
43108	TYN011	124.5	127.5	3570	194	18.40206	LAFS
43109	TYN011	127.5	128.8	3475	230	15.1087	LAFS
43110	TYN011	128.8	131.1	2815	227	12.40088	LAFS/LAF/
43111	TYN011	131.1	132.9	2745	203	13.52217	LAFS
43112	TYN011	132.9	133.5	3155	268	11.77239	LAF/
43113	TYN011	133.5	135	2930	257	11.40078	LAF/
43114	TYN011	135	136	3025	260	11.63462	LAF/
43116	TYN011	136	137	3125	279	11.20072	LAF/
43117	TYN011	137	138.1	3120	273	11.42857	LAF/
43118	TYN011	138.1	140.4	3290	284	11.58451	LAF/
43119	TYN011	140.4	143.4	3680	304	12.10526	LAF/
43120	TYN011	143.4	144.8	3105	241	12.88382	LAF/
43121	TYN011	144.8	146.1	3465	217	15.96774	LAFS
43122	TYN011	146.1	147.5	3535	211	16.75355	LAFS
43123	TYN011	147.5	150	2900	181	16.0221	LAFS
43124	TYN011	150	151.5	2855	169	16.89349	LAFS
43125	TYN011	151.5	154	3360	233	14.4206	LAFS
43126	TYN011	154	157.5	3935	301	13.07309	LAFS/LAFH
43127	TYN011	157.5	159.5	3020	256	11.79688	LAFH
43128	TYN011	159.5	163.5	2745	229	11.9869	LAFH
43129	TYN011	163.5	164.8	2935	257	11.42023	LAFH
43131	TYN011	164.8	165.3	2970	257	11.55642	LAFH
43132	TYN011	165.3	166.5	2650	230	11.52174	LAF_
43133	TYN011	166.5	169	3020	251	12.03187	LAF_
43134	TYN011	169	170.2	3170	274	11.56934	LAF_
43135	TYN011	170.2	172.5	3295	280	11.76786	LAF_
43136	TYN011	172.5	174.9	3140	280	11.21429	LAF_
43137	TYN011	174.9	176	395	73	5.410959	CARB

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN011 365131 (Relog)

SHEET 6a OF 25

PROJECT	: BASIN LAKE EL 14/93
PROSPECT	:
DATE	: July 1996
LOGGED BY	: M VICARY

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH	SAMPLE No PREFIX T431--	ASSAY RESULTS Cu	Pb	Zn	STRUCT.	GRAPHIC LOG 1/16 1/4 1 4 16 32	ALTERATION SIL.	SER.	PY.	Si
115					M					Strong
116	01	62	44	276	P				2-3%	Very intense
117	20-7									
118	02 18-5	77	45	140						
119	03 16-9	54	20	121	M					Weak-moderate
120	04 16-0	96	45	112					1-2%	

GEOLOGY NOTES

VW = Very weakly broken
W = Weakly broken
M = Moderately broken
S = Strongly broken
P = Pulverised
Cl = Clayey

crush zone

chl fel phyric andesite
Minor Qz veins + leached rock veins

SUMMARY

ROCK	ALTERATION
SILT	
VAFm	
FALT	
LAFI	

REMARKS Structure legend: VW = Very weakly broken W = Weakly broken
M = Moderately broken S = Strongly broken P = Pulverised Cl = clayey

365132

RGC EXPLORATION PTY LTD

DRILL HOLE No TYNO11 (Relog)

SHEET 7a OF 25

PROJECT	: BASIN LAKE EL 14/93
PROSPECT	:
DATE	: JULY 1996
LOGGED BY	: M VICARY

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH	SAMPLE No PREFIX T4311 -	ASSAY RESULTS Cu	Pb	Zn	STRUCT.	GRAPHIC LOG (1/16, 1/4, 1, 4, 16, 32)	ALTERATION SIL.	SER.	PY.	SI	GEOLOGY NOTES	SUMMARY ROCK	ALTERATION
120	05 16.6	71	58	254	M							LAFI	
121	06 16.6	48	38	201	P				2%	intense		FALT	
122					S +CL								
123	07	37	93	228					1%			LAFI	
124	18.3												
125													
126	08	72	182	275	P						highly aleered andesite (felsic phyric) possibly interbedded with f-m gr chl-ser and vlc sst.		
127	18.6												
128	09 15.4	126	98	261									
129									2%				
130	10	147	27	145	S							LAFS	
131	12.4				M								
132	11 13.5	64	70	224	P							LAFI	
133	12 11.7	88	25	114	S-P					Very strong SI			
134					M								
135	13 11.4	18	45	117	W							LAFS	
136	14 11.6	93	53	108	M								
137	16 11.2	62	30	112	W				1% Pyrite veinlets + matrix				
138	17 11.4	52	27	110								LAFI	
139	18 11.6	73	72	105	S								
140													

REMARKS

NB LAFS = andesite lava? / andesite vlc sst?

T43115 = STD

365133

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN011 (RELOG)

SHEET 89 OF 25

Bedding	Disseminated
Cleavage	Massive
Foliation	Pervasive
Fault, Shear	Narrow vein
Breccia	* Visible gold
Broken core	

PROJECT	:	BASIN LAKE EL 16/93
PROSPECT	:	
DATE	:	JULY 1996
LOGGED BY	:	M VICARY

HOLE DEPTH	SAMPLE No PREFIX T431--	ASSAY RESULTS Cu	Pb	Zn	STRUCT.	GRAPHIC LOG 1/16 1/4 1 4 16 32	ALTERATION SIL.	SER.	PY.	Lim	Si	GEOLOGY NOTES	SUMMARY ROCK	ALTERATION
140					S									
141					CL ~90%									
142	19	105	15	136	S-P								LAFI	
143	12.1													
144	20	42	8	123	S									
145	12.9													
146	21	30	<5	138								highly clamved chl-ser-Lim andesitic lava. Possibly interbedded with andesitic vlc sed + silts.		
147	15.9													
148	22	137	7	132	90% S 10% P									
149	16.7													
150	23	79	11	92										
151	16.0				S									
152	24	101	32	192	P								LAFS	
153	15.9								1-2% diss + veinlets					
154	25	103	23	341	S-P									
155	14.4													
156	26	92	10	136	S +CL ~90%	CL?								
157	13.0													
158	27	13	9	112	m-s +CL								LAFH	
159	11.6													
160					S									

Strong Si

REMARKS

365134

RGC EXPLORATION PTY LTD

DRILL HOLE No TYNO11 (RELOG)

SHEET 9a OF 25

— Bedding
⌐ Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

PROJECT	:	BASIN LANE EZ 14/93
PROSPECT	:	
DATE	:	JULY 1996
LOGGED BY	:	M VICARY

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS Cu	Pb	Zn	STRUCT.	GRAPHIC LOG 1/16 1/4 1 4 16 32	ALTERATION SIL.	SER.	PY.	Hm	Alb	GEOLOGY NOTES	SUMMARY ROCK	ALTERATION
160														
161	28	15	-5	126	S							chl-alb felds-Hbl (minor felds only) phyric andesite lava.		
162												More qtz-epd veining		
163	119													
164	29 11.4	14	-5	143	M-W								LAFH	
165	31 11.5	26	-5	120	S M									
166	32 11.5	6	-5	131	S									
167														
168	33 12.0	78	32	171								chl-alb - felds phyric andesite lava		
169														
170	34 11.6	31	12	166	S-M								LAF-	
171	35 11.7	330	786	620										
172														
173	36 11.2	131	475	717										
174														
175	37 5.4	162	236	318	VW								CARB	
176														
177														
178														
179														
180														

REMARKS

T43130 = STD

APPENDIX 6

TYN015 Magnetic Susceptibities

MAGNETIC SUSCEPTIBILITY LOG *RGC Exploration Pty Ltd* 365136

All spaces must be filled in except those that are shaded

Prospect: Basin Lake | Date: 10/12/96

Hole: TYN015 | Sheet 1 of 1 | Operator: C Dauth & B Stark

Instrument: GMS-2 | Units (SI or CGS): SI

Column for graphing at a log scale ie. do not include values of zero

Sample # or Depth	Core Size	Sensor Location	Reading most commo	Reading Range Min	Reading Range Max	Correction Factor	Corrected Reading	
2	PQ	2	2			0.000014	0.000028	0.000029
20	HQ	2	1			0.0000144	0.0000144	0.0000154
28	HQ	2	1			0.0000144	0.0000144	0.0000154
34	HQ	2	2			0.0000144	0.0000288	0.0000298
37	HQ	2	1			0.0000144	0.0000144	0.0000154
39	HQ	2	14			0.0000144	0.0002016	0.0002026
43	HQ	2	36			0.0000144	0.0005184	0.0005194
45	HQ	2	24			0.0000144	0.0003456	0.0003466
46	HQ	2	36			0.0000144	0.0005184	0.0005194
47	HQ	2	28			0.0000144	0.0004032	0.0004042
48	HQ	2	20			0.0000144	0.000288	0.000289
49	HQ	2	200			0.0000144	0.00288	0.002881
50	HQ	2	250			0.0000144	0.0036	0.003601
51	HQ	2	25			0.0000144	0.00036	0.000361
52	HQ	2	20			0.0000144	0.000288	0.000289
53	HQ	2	30			0.0000144	0.000432	0.000433
54	HQ	2	20			0.0000144	0.000288	0.000289
55	HQ	2	2			0.0000144	0.0000288	0.0000298
56	HQ	2	2			0.0000144	0.0000288	0.0000298
57	HQ	2	10			0.0000144	0.000144	0.000145
58	HQ	2	2			0.0000144	0.0000288	0.0000298
59	HQ	2	20			0.0000144	0.000288	0.000289
60	HQ	2	20			0.0000144	0.000288	0.000289
61	HQ	2	20			0.0000144	0.000288	0.000289
62	HQ	2	20			0.0000144	0.000288	0.000289
63	HQ	2	20			0.0000144	0.000288	0.000289
64	HQ	2	20			0.0000144	0.000288	0.000289
65	HQ	2	20			0.0000144	0.000288	0.000289
66	HQ	2	20			0.0000144	0.000288	0.000289
67	HQ	2	20			0.0000144	0.000288	0.000289
68	HQ	2	4			0.0000144	0.0000576	0.0000586
69	HQ	2	25			0.0000144	0.00036	0.000361
70	HQ	2	25			0.0000144	0.00036	0.000361
71	HQ	2	25			0.0000144	0.00036	0.000361
72	HQ	2	5			0.0000144	0.000072	0.000073
73	HQ	2	30			0.0000144	0.000432	0.000433
74	HQ	2	25			0.0000144	0.00036	0.000361
75	HQ	2	20			0.0000144	0.000288	0.000289
76	HQ	2	25			0.0000144	0.00036	0.000361
77	HQ	2	25			0.0000144	0.00036	0.000361
78	HQ	2	10			0.0000144	0.000144	0.000145
79	NQ	2	13			0.0000151	0.0001963	0.0001973
80	NQ	2	14			0.0000151	0.0002114	0.0002124
81	NQ	2	14			0.0000151	0.0002114	0.0002124
82	NQ	2	14			0.0000151	0.0002114	0.0002124
83	NQ	2	30			0.0000151	0.000453	0.000454
84	NQ	2	14			0.0000151	0.0002114	0.0002124
85	NQ	2	14			0.0000151	0.0002114	0.0002124
86	NQ	2	15			0.0000151	0.0002265	0.0002275
87	NQ	2	30			0.0000151	0.000453	0.000454
88	NQ	2	30			0.0000151	0.000453	0.000454
89	NQ	2	20			0.0000151	0.000302	0.000303
90	NQ	2	25			0.0000151	0.0003775	0.0003785
91	NQ	2	1			0.0000151	0.0000151	0.0000161
92	NQ	2	25			0.0000151	0.0003775	0.0003785
93	NQ	2	25			0.0000151	0.0003775	0.0003785
94	NQ	2	5			0.0000151	0.0000755	0.0000765
95	NQ	2	30			0.0000151	0.000453	0.000454
96	NQ	2	15			0.0000151	0.0002265	0.0002275
97	NQ	2	20			0.0000151	0.000302	0.000303
98	NQ	2	12			0.0000151	0.0001812	0.0001822
99	NQ	2	25			0.0000151	0.0003775	0.0003785
100	NQ	2	20			0.0000151	0.000302	0.000303
101	NQ	2	25			0.0000151	0.0003775	0.0003785
102	NQ	2	20			0.0000151	0.000302	0.000303
103	NQ	2	15			0.0000151	0.0002265	0.0002275
104	NQ	2	8			0.0000151	0.0001208	0.0001218
105	NQ	2	25			0.0000151	0.0003775	0.0003785
106	NQ	2	10			0.0000151	0.000151	0.000152

MAGNETIC SUSCEPTIBILITY LOG *RGC Exploration Pty Ltd*

All spaces must be filled in except those that are shaded

365137

Prospect:	Basin Lake	Date:	10/12/96
Hole: TYN015	Sheet 1 of 1	Operator:	C Dauth & B Stark
Instrument:	GMS-2	Units (SI or CGS):	SI

Column for graphing at a log scale ie. do not include values of zero

Sample # or Depth	Core Size	Sensor Location	Reading most commo	Reading Range Min	Reading Range Max	Correction Factor	Corrected Reading	
107	NQ	2	15			0.0000151	0.0002265	0.0002275
108	NQ	2	20			0.0000151	0.000302	0.000303
109	NQ	2	20			0.0000151	0.000302	0.000303
110	NQ	2	20			0.0000151	0.000302	0.000303
111	NQ	2	15			0.0000151	0.0002265	0.0002275
112	NQ	2	15			0.0000151	0.0002265	0.0002275
113	NQ	2	15			0.0000151	0.0002265	0.0002275
114	NQ	2	10			0.0000151	0.000151	0.000152
115	NQ	2	15			0.0000151	0.0002265	0.0002275
116	NQ	2	20			0.0000151	0.000302	0.000303
117	NQ	2	20			0.0000151	0.000302	0.000303
118	NQ	2	10			0.0000151	0.000151	0.000152
119	NQ	2	15			0.0000151	0.0002265	0.0002275
120	NQ	2	20			0.0000151	0.000302	0.000303
121	NQ	2	20			0.0000151	0.000302	0.000303
122	NQ	2	20			0.0000151	0.000302	0.000303
123	NQ	2	30			0.0000151	0.000453	0.000454
124	NQ	2	40			0.0000151	0.000604	0.000605
125	NQ	2	25			0.0000151	0.0003775	0.0003785
126	NQ	2	20			0.0000151	0.000302	0.000303
127	NQ	2	20			0.0000151	0.000302	0.000303
128	NQ	2	20			0.0000151	0.000302	0.000303
129	NQ	2	30			0.0000151	0.000453	0.000454
130	NQ	2	25			0.0000151	0.0003775	0.0003785
131	NQ	2	30			0.0000151	0.000453	0.000454
132	NQ	2	20			0.0000151	0.000302	0.000303
133	NQ	2	20			0.0000151	0.000302	0.000303
134	NQ	2	20			0.0000151	0.000302	0.000303
135	NQ	2	20			0.0000151	0.000302	0.000303
136	NQ	2	30			0.0000151	0.000453	0.000454
137	NQ	2	30			0.0000151	0.000453	0.000454
138	NQ	2	25			0.0000151	0.0003775	0.0003785
139	NQ	2	25			0.0000151	0.0003775	0.0003785
140	NQ	2	25			0.0000151	0.0003775	0.0003785
141	NQ	2	30			0.0000151	0.000453	0.000454
142	NQ	2	25			0.0000151	0.0003775	0.0003785
143	NQ	2	25			0.0000151	0.0003775	0.0003785
144	NQ	2	15			0.0000151	0.0002265	0.0002275
145	NQ	2	25			0.0000151	0.0003775	0.0003785
146	NQ	2	20			0.0000151	0.000302	0.000303
147	NQ	2	20			0.0000151	0.000302	0.000303
148	NQ	2	20			0.0000151	0.000302	0.000303
149	NQ	2	30			0.0000151	0.000453	0.000454
150	NQ	2	30			0.0000151	0.000453	0.000454
151	NQ	2	30			0.0000151	0.000453	0.000454
152	NQ	2	30			0.0000151	0.000453	0.000454
153	NQ	2	10			0.0000151	0.000151	0.000152
154	NQ	2	20			0.0000151	0.000302	0.000303
155	NQ	2	15			0.0000151	0.0002265	0.0002275
156	NQ	2	15			0.0000151	0.0002265	0.0002275
157	NQ	2	10			0.0000151	0.000151	0.000152
158	NQ	2	10			0.0000151	0.000151	0.000152
159	NQ	2	20			0.0000151	0.000302	0.000303
160	NQ	2	35			0.0000151	0.0005285	0.0005295
161	NQ	2	40			0.0000151	0.000604	0.000605
162	NQ	2	60			0.0000151	0.000906	0.000907
163	NQ	2	80			0.0000151	0.001208	0.001209
164	NQ	2	400			0.0000151	0.00604	0.006041
165	NQ	2	900			0.0000151	0.01359	0.013591
166	NQ	2	700			0.0000151	0.01057	0.010571
167	NQ	2	700			0.0000151	0.01057	0.010571
168	NQ	2	600			0.0000151	0.00906	0.009061
169	NQ	2	900			0.0000151	0.01359	0.013591
170	NQ	2	300			0.0000151	0.00453	0.004531
171	NQ	2	20			0.0000151	0.000302	0.000303
172	NQ	2	120			0.0000151	0.001812	0.001813
173	NQ	2	700			0.0000151	0.01057	0.010571
174	NQ	2	700			0.0000151	0.01057	0.010571
175	NQ	2	300			0.0000151	0.00453	0.004531

MAGNETIC SUSCEPTIBILITY LOG *RGC Exploration Pty Ltd*

All spaces must be filled in except those that are shaded

365138

Prospect:	Basin Lake					Date:	10/12/96	Column for
Hole: TYN015	Sheet 1 of 1			Operator:	C Dauth & B Stark			graphing at a
Instrument:	GMS-2			Units (SI or CGS):		SI		log scale
Sample # or Depth	Core Size	Sensor Location	Reading most commo	Reading Range Min	Reading Range Max	Correction Factor	Corrected Reading	ie. do not include values of zero
176	NQ	2	800			0.0000151	0.01208	0.012081
177	NQ	2	40			0.0000151	0.000604	0.000605
178	NQ	2	200			0.0000151	0.00302	0.003021
179	NQ	2	140			0.0000151	0.002114	0.002115
180	NQ	2	70			0.0000151	0.001057	0.001058
181	NQ	2	110			0.0000151	0.001661	0.001662
182	NQ	2	70			0.0000151	0.001057	0.001058
183	NQ	2	35			0.0000151	0.0005285	0.0005295
184	NQ	2	150			0.0000151	0.002265	0.002266
185	NQ	2	240			0.0000151	0.003624	0.003625
186	NQ	2	170			0.0000151	0.002567	0.002568
187	NQ	2	110			0.0000151	0.001661	0.001662
188	NQ	2	30			0.0000151	0.000453	0.000454
189	NQ	2	25			0.0000151	0.0003775	0.0003785
190	NQ	2	100			0.0000151	0.00151	0.001511
191	NQ	2	40			0.0000151	0.000604	0.000605
192	NQ	2	350			0.0000151	0.005285	0.005286
193	NQ	2	1000			0.0000151	0.0151	0.015101
194	NQ	2	750			0.0000151	0.011325	0.011326
195	NQ	2	200			0.0000151	0.00302	0.003021
196	NQ	2	1000			0.0000151	0.0151	0.015101
197	NQ	2	400			0.0000151	0.00604	0.006041
198	NQ	2	200			0.0000151	0.00302	0.003021
199	NQ	2	300			0.0000151	0.00453	0.004531
200	NQ	2	800			0.0000151	0.01208	0.012081
201	NQ	2	500			0.0000151	0.00755	0.007551
202	NQ	2	600			0.0000151	0.00906	0.009061
203	NQ	2	15			0.0000151	0.0002265	0.0002275
204	NQ	2	150			0.0000151	0.002265	0.002266
205	NQ	2	200			0.0000151	0.00302	0.003021
206	NQ	2	20			0.0000151	0.000302	0.000303
207	NQ	2	20			0.0000151	0.000302	0.000303
208	NQ	2	250			0.0000151	0.003775	0.003776
209	NQ	2	30			0.0000151	0.000453	0.000454
210	NQ	2	100			0.0000151	0.00151	0.001511
211	NQ	2	800			0.0000151	0.01208	0.012081
212	NQ	2	10			0.0000151	0.000151	0.000152
213	NQ	2	50			0.0000151	0.000755	0.000756
214	NQ	2	30			0.0000151	0.000453	0.000454
215	NQ	2	10			0.0000151	0.000151	0.000152
216	NQ	2	10			0.0000151	0.000151	0.000152
217	NQ	2	10			0.0000151	0.000151	0.000152
218	NQ	2	15			0.0000151	0.0002265	0.0002275
219	NQ	2	15			0.0000151	0.0002265	0.0002275
220	NQ	2	200			0.0000151	0.00302	0.003021
221	NQ	2	500			0.0000151	0.00755	0.007551
222	NQ	2	30			0.0000151	0.000453	0.000454
223	NQ	2	1100			0.0000151	0.01661	0.016611
224	NQ	2	1000			0.0000151	0.0151	0.015101
225	NQ	2	1000			0.0000151	0.0151	0.015101
226	NQ	2	70			0.0000151	0.001057	0.001058
227	NQ	2	500			0.0000151	0.00755	0.007551
228	NQ	2	25			0.0000151	0.0003775	0.0003785
229	NQ	2	600			0.0000151	0.00906	0.009061
230	NQ	2	700			0.0000151	0.01057	0.010571
231	NQ	2	1			0.0000151	0.0000151	0.0000161
232	NQ	2	0			0.0000151	0	0.000001
233	NQ	2	0			0.0000151	0	0.000001
234	NQ	2	0			0.0000151	0	0.000001
235	NQ	2	40			0.0000151	0.000604	0.000605
236	NQ	2	45			0.0000151	0.0006795	0.0006805
237	NQ	2	70			0.0000151	0.001057	0.001058
238	NQ	2	35			0.0000151	0.0005285	0.0005295
239	NQ	2	0			0.0000151	0	0.000001
240	NQ	2	70	70	170	0.0000151	0.001057	0.001058
241	NQ	2	0			0.0000151	0	0.000001
242	NQ	2	1			0.0000151	0.0000151	0.0000161
243	NQ	2	20	20	120	0.0000151	0.000302	0.000303
244	NQ	2	150			0.0000151	0.002265	0.002266

MAGNETIC SUSCEPTIBILITY LOG *RGC Exploration Pty Ltd* 365139

All spaces must be filled in except those that are shaded

Prospect:	Basin Lake					*Date:*	10/12/96	*Column for*
Hole: TYN015		Sheet 1 of 1		*Operator:*	C Dauth & B Stark			graphing at a
Instrument:	GMS-2				*Units (SI or CGS):*	SI		log scale
Sample # or Depth	Core Size	Sensor Location	Reading most commo	Reading Range Min	Reading Range Max	Correction Factor	Corrected Reading	ie. do not include values of zero
245	NQ	2	150			0.0000151	0.002265	0.002266
246	NQ	2	30	2	30	0.0000151	0.000453	0.000454
247	NQ	2	45			0.0000151	0.0006795	0.0006805
248	NQ	2	0			0.0000151	0	0.000001
249	NQ	2	5			0.0000151	0.0000755	0.0000765
250	NQ	2	3			0.0000151	0.0000453	0.0000463
251	NQ	2	5			0.0000151	0.0000755	0.0000765
252	NQ	2	610	610	1710	0.0000151	0.009211	0.009212
253	NQ	2	400	400	870	0.0000151	0.00604	0.006041
254	NQ	2	40	40	250	0.0000151	0.000604	0.000605
255	NQ	2	50	50	230	0.0000151	0.000755	0.000756
256	NQ	2	720	720	1870	0.0000151	0.010872	0.010873
257	NQ	2	20	20	450	0.0000151	0.000302	0.000303
258	NQ	2	760	760	1850	0.0000151	0.011476	0.011477
259	NQ	2	970			0.0000151	0.014647	0.014648
260	NQ	2	390	390	1160	0.0000151	0.005889	0.00589
261	NQ	2	420	420	620	0.0000151	0.006342	0.006343
262	NQ	2	160	160	390	0.0000151	0.002416	0.002417
263	NQ	2	1100	1100	3840	0.0000151	0.01661	0.016611
264	NQ	2	1100	1100	1700	0.0000151	0.01661	0.016611
265	NQ	2	650	650	1010	0.0000151	0.009815	0.009816
266	NQ	2	620	620	860	0.0000151	0.009362	0.009363
267	NQ	2	270	270	1040	0.0000151	0.004077	0.004078
268	NQ	2	790	790	1330	0.0000151	0.011929	0.01193
269	NQ	2	1130			0.0000151	0.017063	0.017064
270	NQ	2	120	120	1130	0.0000151	0.001812	0.001813
271	NQ	2	140	140	1750	0.0000151	0.002114	0.002115
272	NQ	2	830	830	2550	0.0000151	0.012533	0.012534
273	NQ	2	860	860	1710	0.0000151	0.012986	0.012987
274	NQ	2	620	620	1990	0.0000151	0.009362	0.009363
275	NQ	2	60	60	2240	0.0000151	0.000906	0.000907
276	NQ	2	800	0	1600	0.0000151	0.01208	0.012081
277	NQ	2	210	210	580	0.0000151	0.003171	0.003172
278	NQ	2	0	0	2640	0.0000151	0	0.000001
279	NQ	2	2820	2820	3700	0.0000151	0.042582	0.042583
280	NQ	2	250	250	3240	0.0000151	0.003775	0.003776
281	NQ	2	1170	1170	5100	0.0000151	0.017667	0.017668
282	NQ	2	380	380	1060	0.0000151	0.005738	0.005739
283	NQ	2	550	550	2590	0.0000151	0.008305	0.008306
284	NQ	2	1730	1730	3300	0.0000151	0.026123	0.026124
285	NQ	2	1120	1120	3060	0.0000151	0.016912	0.016913
286	NQ	2	1980	1980	2770	0.0000151	0.029898	0.029899
287	NQ	2	2520	2520	3260	0.0000151	0.038052	0.038053
288	NQ	2	1160	1160	2650	0.0000151	0.017516	0.017517
289	NQ	2	1520	1520	2400	0.0000151	0.022952	0.022953
290	NQ	2	2470	2470	3920	0.0000151	0.037297	0.037298
291	NQ	2	2510	2510	3240	0.0000151	0.037901	0.037902
292	NQ	2	2630	2630	3430	0.0000151	0.039713	0.039714
293	NQ	2	700	700	2120	0.0000151	0.01057	0.010571
294	NQ	2	360	360	1730	0.0000151	0.005436	0.005437
295	NQ	2	1990	1990	3850	0.0000151	0.030049	0.03005
296	NQ	2	2530	2530	3470	0.0000151	0.038203	0.038204
297	NQ	2	2280	2280	3100	0.0000151	0.034428	0.034429
298	NQ	2	1170	1170	1770	0.0000151	0.017667	0.017668
299	NQ	2	1510	1510	2900	0.0000151	0.022801	0.022802
300	NQ	2	1010	1010	1430	0.0000151	0.015251	0.015252
301	NQ	2	700	700	950	0.0000151	0.01057	0.010571
302	NQ	2	15	15	1940	0.0000151	0.0002265	0.0002275
303	NQ	2	530	530	2180	0.0000151	0.008003	0.008004
304	NQ	2	630	630	1170	0.0000151	0.009513	0.009514
305	NQ	2	950	950	2900	0.0000151	0.014345	0.014346
306	NQ	2	1820	1820	2930	0.0000151	0.027482	0.027483
307	NQ	2	1010	1010	3060	0.0000151	0.015251	0.015252
308	NQ	2	1200	1200	4320	0.0000151	0.01812	0.018121
309	NQ	2	1900	1900	2650	0.0000151	0.02869	0.028691
310	NQ	2	3030	3030	4280	0.0000151	0.045753	0.045754
311	NQ	2	1170	1170	3800	0.0000151	0.017667	0.017668
312	NQ	2	100	100	1870	0.0000151	0.00151	0.001511
313	NQ	2	0	0	10	0.0000151	0	0.000001

MAGNETIC SUSCEPTIBILITY LOG *RGC Exploration Pty Ltd* 365140

All spaces must be filled in except those that are shaded

Prospect:	Basin Lake			Date:	10/12/96
Hole: TYN015	Sheet 1 of 1	Operator:	C Dauth & B Stark		
Instrument:	GMS-2		Units (SI or CGS):	SI	

Column for graphing at a log scale ie. do not include values of zero

Sample # or Depth	Core Size	Sensor Location	Reading most commo	Reading Range Min	Reading Range Max	Correction Factor	Corrected Reading	
314	NQ	2	60	60	870	0.0000151	0.000906	0.000907
315	NQ	2	440	440	1960	0.0000151	0.006644	0.006645
316	NQ	2	120	120	2000	0.0000151	0.001812	0.001813
317	NQ	2	0	0	780	0.0000151	0	0.000001
318	NQ	2	30	30	4300	0.0000151	0.000453	0.000454
319	NQ	2	80	80	330	0.0000151	0.001208	0.001209
320	NQ	2	190	190	1600	0.0000151	0.002869	0.00287
321	NQ	2	0	0	1200	0.0000151	0	0.000001
322	NQ	2	0	0	2260	0.0000151	0	0.000001
323	NQ	2	40			0.0000151	0.000604	0.000605
324	NQ	2	20			0.0000151	0.000302	0.000303
325	NQ	2	15			0.0000151	0.0002265	0.0002275
326	NQ	2	25			0.0000151	0.0003775	0.0003785
327	NQ	2	20			0.0000151	0.000302	0.000303
328	NQ	2	20			0.0000151	0.000302	0.000303
329	NQ	2	20			0.0000151	0.000302	0.000303
330	NQ	2	25			0.0000151	0.0003775	0.0003785
331	NQ	2	25			0.0000151	0.0003775	0.0003785
332	NQ	2	20			0.0000151	0.000302	0.000303
333	NQ	2	15			0.0000151	0.0002265	0.0002275
334	NQ	2	25			0.0000151	0.0003775	0.0003785
335	NQ	2	35			0.0000151	0.0005285	0.0005295
336	NQ	2	20			0.0000151	0.000302	0.000303
337	NQ	2	15			0.0000151	0.0002265	0.0002275
338	NQ	2	20			0.0000151	0.000302	0.000303
339	NQ	2	2100	2100	4480	0.0000151	0.03171	0.031711
340	NQ	2	0	0	2600	0.0000151	0	0.000001
341	NQ	2	10			0.0000151	0.000151	0.000152
342	NQ	2	5			0.0000151	0.0000755	0.0000765
343	NQ	2	10			0.0000151	0.000151	0.000152
344	NQ	2	5			0.0000151	0.0000755	0.0000765
345	NQ	2	3			0.0000151	0.0000453	0.0000463
346	NQ	2	4			0.0000151	0.0000604	0.0000614
347	NQ	2	2			0.0000151	0.0000302	0.0000312
348	NQ	2	20			0.0000151	0.000302	0.000303
349	NQ	2	5			0.0000151	0.0000755	0.0000765
350	NQ	2	20			0.0000151	0.000302	0.000303
351	NQ	2	40			0.0000151	0.000604	0.000605
352	NQ	2	20			0.0000151	0.000302	0.000303
353	NQ	2	1			0.0000151	0.0000151	0.0000161
354	NQ	2	2			0.0000151	0.0000302	0.0000312
355	NQ	2	0			0.0000151	0	0.000001
356	NQ	2	0			0.0000151	0	0.000001
357	NQ	2	0			0.0000151	0	0.000001
358	NQ	2	0			0.0000151	0	0.000001
359	NQ	2	0			0.0000151	0	0.000001
360	NQ	2	0			0.0000151	0	0.000001
361	NQ	2	0			0.0000151	0	0.000001
362	NQ	2	0			0.0000151	0	0.000001
363	NQ	2	0			0.0000151	0	0.000001
364	NQ	2	0			0.0000151	0	0.000001
365	NQ	2	2			0.0000151	0.0000302	0.0000312
366	NQ	2	2			0.0000151	0.0000302	0.0000312
367	NQ	2	0			0.0000151	0	0.000001
368	NQ	2	0			0.0000151	0	0.000001
369	NQ	2	10			0.0000151	0.000151	0.000152
370	NQ	2	10			0.0000151	0.000151	0.000152
371	NQ	2	10			0.0000151	0.000151	0.000152
372	NQ	2	10			0.0000151	0.000151	0.000152
373	NQ	2	5			0.0000151	0.0000755	0.0000765
374	NQ	2	10			0.0000151	0.000151	0.000152
375	NQ	2	10			0.0000151	0.000151	0.000152
376	NQ	2	5			0.0000151	0.0000755	0.0000765
377	NQ	2	7			0.0000151	0.0001057	0.0001067
378	NQ	2	10			0.0000151	0.000151	0.000152
379	NQ	2	7			0.0000151	0.0001057	0.0001067
380	NQ	2	10			0.0000151	0.000151	0.000152
381	NQ	2	0			0.0000151	0	0.000001
382	NQ	2	0			0.0000151	0	0.000001

MAGNETIC SUSCEPTIBILITY LOG *RGC Exploration Pty Ltd*

All spaces must be filled in except those that are shaded

Prospect:	Basin Lake			Date:	10/12/96
Hole: TYN015	Sheet 1 of 1		Operator:	C Dauth & B Stark	
Instrument:	GMS-2		Units (SI or CGS):	SI	

Column for graphing at a log scale ie. do not include values of zero

Sample # or Depth	Core Size	Sensor Location	Reading most commo	Reading Range Min	Reading Range Max	Correction Factor	Corrected Reading	
383	NQ	2	0			0.0000151	0	0.000001
384	NQ	2	0			0.0000151	0	0.000001
385	NQ	2	6			0.0000151	0.0000906	0.0000916
386	NQ	2	0			0.0000151	0	0.000001
387	NQ	2	0			0.0000151	0	0.000001
388	NQ	2	0			0.0000151	0	0.000001
389	NQ	2	0			0.0000151	0	0.000001
390	NQ	2	0			0.0000151	0	0.000001
391	NQ	2	2			0.0000151	0.0000302	0.0000312
392	NQ	2	0			0.0000151	0	0.000001
393	NQ	2	0			0.0000151	0	0.000001
394	NQ	2	7			0.0000151	0.0001057	0.0001067
395	NQ	2	2			0.0000151	0.0000302	0.0000312
396	NQ	2	0			0.0000151	0	0.000001
397	NQ	2	25			0.0000151	0.0003775	0.0003785
398	NQ	2	12			0.0000151	0.0001812	0.0001822
399	NQ	2	10			0.0000151	0.000151	0.000152
400	NQ	2	50			0.0000151	0.000755	0.000756
401	NQ	2	12			0.0000151	0.0001812	0.0001822
402	NQ	2	20			0.0000151	0.000302	0.000303
403	NQ	2	20			0.0000151	0.000302	0.000303
404	NQ	2	0	0	190	0.0000151	0	0.000001
405	NQ	2	30	30	460	0.0000151	0.000453	0.000454
406	NQ	2	0	0	320	0.0000151	0	0.000001
407	NQ	2	0	0	1560	0.0000151	0	0.000001
408	NQ	2	0	0	3370	0.0000151	0	0.000001
409	NQ	2	680	280	2250	0.0000151	0.010268	0.010269
410	NQ	2	1080	1080	2620	0.0000151	0.016308	0.016309
411	NQ	2	130	130	1760	0.0000151	0.001963	0.001964
412	NQ	2	550	550	2400	0.0000151	0.008305	0.008306
413	NQ	2	50	50	1500	0.0000151	0.000755	0.000756
414	NQ	2	0	0	820	0.0000151	0	0.000001
415	NQ	2	0			0.0000151	0	0.000001
416	NQ	2	0			0.0000151	0	0.000001
417	NQ	2	0			0.0000151	0	0.000001
418	NQ	2	0			0.0000151	0	0.000001
419	NQ	2	0			0.0000151	0	0.000001
420	NQ	2	2			0.0000151	0.0000302	0.0000312
421	NQ	2	0			0.0000151	0	0.000001
422	NQ	2	0			0.0000151	0	0.000001
423	NQ	2	0			0.0000151	0	0.000001
424	NQ	2	0			0.0000151	0	0.000001
425	NQ	2	0			0.0000151	0	0.000001
426	NQ	2	0			0.0000151	0	0.000001
427	NQ	2	0			0.0000151	0	0.000001
428	NQ	2	0			0.0000151	0	0.000001
429	NQ	2	0			0.0000151	0	0.000001
430	NQ	2	0			0.0000151	0	0.000001
431	NQ	2	0			0.0000151	0	0.000001
432	NQ	2	0			0.0000151	0	0.000001
433	NQ	2	0			0.0000151	0	0.000001
434	NQ	2	0			0.0000151	0	0.000001
435	NQ	2	0	0	760	0.0000151	0	0.000001
436	NQ	2	210	0	420	0.0000151	0.003171	0.003172
437	NQ	2	340	340	1120	0.0000151	0.005134	0.005135
438	NQ	2	420	420	1200	0.0000151	0.006342	0.006343
439	NQ	2	0	0	980	0.0000151	0	0.000001
440	NQ	2	50	50	350	0.0000151	0.000755	0.000756
441	NQ	2	0	0	330	0.0000151	0	0.000001
442	NQ	2	440	440	1690	0.0000151	0.006644	0.006645
443	NQ	2	160	160	1160	0.0000151	0.002416	0.002417
444	NQ	2	0	0	350	0.0000151	0	0.000001
445	NQ	2	0			0.0000151	0	0.000001
446	NQ	2	0			0.0000151	0	0.000001
447	NQ	2	0			0.0000151	0	0.000001
448	NQ	2	0			0.0000151	0	0.000001
449	NQ	2	0			0.0000151	0	0.000001
450	NQ	2	0			0.0000151	0	0.000001
451	NQ	2	0			0.0000151	0	0.000001

MAGNETIC SUSCEPTIBILITY LOG *RGC Exploration Pty Ltd* 365142

All spaces must be filled in except those that are shaded

Prospect:	Basin Lake			Date:	10/12/96
Hole: TYN015	Sheet 1 of 1		Operator:	C Dauth & B Stark	
Instrument:	GMS-2		Units (SI or CGS):	SI	

Column for graphing at a log scale ie. do not include values of zero

Sample # or Depth	Core Size	Sensor Location	Reading most commo	Reading Range Min	Reading Range Max	Correction Factor	Corrected Reading	
452	NQ	2	0			0.0000151	0	0.000001
453	NQ	2	0			0.0000151	0	0.000001
454	NQ	2	0			0.0000151	0	0.000001
455	NQ	2	0			0.0000151	0	0.000001
456	NQ	2	0			0.0000151	0	0.000001
457	NQ	2	0			0.0000151	0	0.000001
458	NQ	2	0			0.0000151	0	0.000001
459	NQ	2	0			0.0000151	0	0.000001
460	NQ	2	0			0.0000151	0	0.000001
461	NQ	2	0			0.0000151	0	0.000001
462	NQ	2	0			0.0000151	0	0.000001
463	NQ	2	0			0.0000151	0	0.000001
464	NQ	2	0			0.0000151	0	0.000001
465	NQ	2	0			0.0000151	0	0.000001
466	NQ	2	0			0.0000151	0	0.000001
467	NQ	2	0			0.0000151	0	0.000001
468	NQ	2	0			0.0000151	0	0.000001
469	NQ	2	0			0.0000151	0	0.000001
470	NQ	2	0			0.0000151	0	0.000001
471	NQ	2	0			0.0000151	0	0.000001
472	NQ	2	0			0.0000151	0	0.000001
473	NQ	2	0			0.0000151	0	0.000001
474	NQ	2	0			0.0000151	0	0.000001
475	NQ	2	0			0.0000151	0	0.000001
476	NQ	2	0			0.0000151	0	0.000001
477	NQ	2	0			0.0000151	0	0.000001
478	NQ	2	0			0.0000151	0	0.000001
479	NQ	2	0			0.0000151	0	0.000001
480	NQ	2	0			0.0000151	0	0.000001
481	NQ	2	0			0.0000151	0	0.000001
482	NQ	2	0			0.0000151	0	0.000001
483	NQ	2	0			0.0000151	0	0.000001
484	NQ	2	0			0.0000151	0	0.000001
485	NQ	2	0			0.0000151	0	0.000001
486	NQ	2	0	0	240	0.0000151	0	0.000001
487	NQ	2	10	10	630	0.0000151	0.000151	0.000152
488	NQ	2	0	0	270	0.0000151	0	0.000001
489	NQ	2	0	0	60	0.0000151	0	0.000001
490	NQ	2	0	0	460	0.0000151	0	0.000001
491	NQ	2	0	0	830	0.0000151	0	0.000001
492	NQ	2	20	20	1300	0.0000151	0.000302	0.000303
493	NQ	2	630	0	630	0.0000151	0.009513	0.009514
494	NQ	2	0			0.0000151	0	0.000001
495	NQ	2	0	0	760	0.0000151	0	0.000001
496	NQ	2	0	0	450	0.0000151	0	0.000001
497	NQ	2	0	0	110	0.0000151	0	0.000001
498	NQ	2	0	0	540	0.0000151	0	0.000001
499	NQ	2	0	0	700	0.0000151	0	0.000001
500	NQ	2	0			0.0000151	0	0.000001
501	NQ	2	0			0.0000151	0	0.000001
502	NQ	2	0			0.0000151	0	0.000001
503	NQ	2	0	0	20	0.0000151	0	0.000001
504	NQ	2	0			0.0000151	0	0.000001
505	NQ	2	0	0	190	0.0000151	0	0.000001
506	NQ	2	0	0	80	0.0000151	0	0.000001
507	NQ	2	0	0	90	0.0000151	0	0.000001
508	NQ	2	0	0	120	0.0000151	0	0.000001
509	NQ	2	0	0	450	0.0000151	0	0.000001
510	NQ	2	0			0.0000151	0	0.000001
511	NQ	2	0	0	230	0.0000151	0	0.000001
512	NQ	2	0	0	290	0.0000151	0	0.000001
513	NQ	2	0	0	450	0.0000151	0	0.000001
514	NQ	2	70	70	980	0.0000151	0.001057	0.001058
515	NQ	2	0	0	590	0.0000151	0	0.000001
516	NQ	2	0	0	560	0.0000151	0	0.000001
517	NQ	2	0	0	680	0.0000151	0	0.000001
518	NQ	2	0			0.0000151	0	0.000001
519	NQ	2	0	0	300	0.0000151	0	0.000001
520	NQ	2	0	0	120	0.0000151	0	0.000001

MAGNETIC SUSCEPTIBILITY LOG *RGC Exploration Pty Ltd* 365143

All spaces must be filled in except those that are shaded

Prospect:	Basin Lake					*Date:*	10/12/96	Column for
Hole: TYN015	Sheet 1 of 1			*Operator:*	C Dauth & B Stark			graphing at a
Instrument:	GMS-2			*Units (SI or CGS):*		SI		log scale
Sample # or Depth	Core Size	Sensor Location	Reading most commo	Reading Range Min	Max	Correction Factor	Corrected Reading	ie. do not include values of zero
521	NQ	2	0			0.0000151	0	0.000001
522	NQ	2	0			0.0000151	0	0.000001
523	NQ	2	0			0.0000151	0	0.000001
524	NQ	2	150	150	1000	0.0000151	0.002265	0.002266
525	NQ	2	0	0	210	0.0000151	0	0.000001
526	NQ	2	0			0.0000151	0	0.000001
527	NQ	2	0			0.0000151	0	0.000001
528	NQ	2	0			0.0000151	0	0.000001
529	NQ	2	0			0.0000151	0	0.000001
530	NQ	2	7			0.0000151	0.0001057	0.0001067
531	NQ	2	0			0.0000151	0	0.000001
532	NQ	2	0			0.0000151	0	0.000001
533	NQ	2	0			0.0000151	0	0.000001
534	NQ	2	0			0.0000151	0	0.000001
535	NQ	2	0			0.0000151	0	0.000001
536	NQ	2	0			0.0000151	0	0.000001
537	NQ	2	0			0.0000151	0	0.000001
538	NQ	2	0			0.0000151	0	0.000001
539	NQ	2	0			0.0000151	0	0.000001
540	NQ	2	0			0.0000151	0	0.000001
541	NQ	2	0			0.0000151	0	0.000001
542	NQ	2	0			0.0000151	0	0.000001
543	NQ	2	0			0.0000151	0	0.000001
544	NQ	2	0			0.0000151	0	0.000001
545	NQ	2	0			0.0000151	0	0.000001
546	NQ	2	0			0.0000151	0	0.000001
547	NQ	2	0			0.0000151	0	0.000001
548	NQ	2	0			0.0000151	0	0.000001
549	NQ	2	0			0.0000151	0	0.000001
550	NQ	2	0			0.0000151	0	0.000001
551	NQ	2	0			0.0000151	0	0.000001
552	NQ	2	0			0.0000151	0	0.000001
553	NQ	2	0			0.0000151	0	0.000001
554	NQ	2	0			0.0000151	0	0.000001
555	NQ	2	0			0.0000151	0	0.000001
556	NQ	2	0			0.0000151	0	0.000001
557	NQ	2	0			0.0000151	0	0.000001
558	NQ	2	0			0.0000151	0	0.000001
559	NQ	2	0			0.0000151	0	0.000001
560	NQ	2	0			0.0000151	0	0.000001
561	NQ	2	0			0.0000151	0	0.000001
562	NQ	2	0			0.0000151	0	0.000001
563	NQ	2	0			0.0000151	0	0.000001
564	NQ	2	0			0.0000151	0	0.000001
565	NQ	2	0			0.0000151	0	0.000001
566	NQ	2	0			0.0000151	0	0.000001
567	NQ	2	0			0.0000151	0	0.000001
568	NQ	2	0	0	10	0.0000151	0	0.000001
569	NQ	2	0			0.0000151	0	0.000001
570	NQ	2	0			0.0000151	0	0.000001
571	NQ	2	0			0.0000151	0	0.000001
572	NQ	2	0			0.0000151	0	0.000001
573	NQ	2	0			0.0000151	0	0.000001
574	NQ	2	0			0.0000151	0	0.000001
575	NQ	2	0			0.0000151	0	0.000001
576	NQ	2	0			0.0000151	0	0.000001
577	NQ	2	0			0.0000151	0	0.000001
578	NQ	2	0			0.0000151	0	0.000001
579	NQ	2	0			0.0000151	0	0.000001
580	NQ	2	2			0.0000151	0.0000302	0.0000312
581	NQ	2	0			0.0000151	0	0.000001
582	NQ	2	0			0.0000151	0	0.000001
583	NQ	2	0			0.0000151	0	0.000001
584	NQ	2	2			0.0000151	0.0000302	0.0000312
585	NQ	2	0			0.0000151	0	0.000001
586	NQ	2	0			0.0000151	0	0.000001
587	NQ	2	0			0.0000151	0	0.000001
588	NQ	2	2			0.0000151	0.0000302	0.0000312
589	NQ	2	0			0.0000151	0	0.000001

MAGNETIC SUSCEPTIBILITY LOG *RGC Exploration Pty Ltd* 365144

All spaces must be filled in except those that are shaded

Prospect:	Basin Lake					Date:	10/12/96	Column for	
Hole: TYN015	Sheet 1 of 1			Operator:	C Dauth & B Stark			graphing at a	
Instrument:	GMS-2			Units (SI or CGS):	SI			log scale	
Sample # or Depth	Core Size	Sensor Location	Reading most commo	Reading Range Min	Max	Correction Factor	Corrected Reading	ie. do not include values of zero	
590	NQ	2	5			0.0000151	0.0000755	0.0000765	
591	NQ	2	0			0.0000151	0	0.000001	
592	NQ	2	5			0.0000151	0.0000755	0.0000765	
593	NQ	2	0	0	15	0.0000151	0	0.000001	
594	NQ	2	0			0.0000151	0	0.000001	
595	NQ	2	0			0.0000151	0	0.000001	
596	NQ	2	0			0.0000151	0	0.000001	
597	NQ	2	0	0	25	0.0000151	0	0.000001	
598	NQ	2	0	0	15	0.0000151	0	0.000001	
599	NQ	2	0	0	10	0.0000151	0	0.000001	
600	NQ	2	0			0.0000151	0	0.000001	
601	NQ	2	0			0.0000151	0	0.000001	
602	NQ	2	0			0.0000151	0	0.000001	
603	NQ	2	0			0.0000151	0	0.000001	
604	NQ	2	0			0.0000151	0	0.000001	
605	NQ	2	0			0.0000151	0	0.000001	
606	NQ	2	0	0	1580	0.0000151	0	0.000001	
607	NQ	2	0			0.0000151	0	0.000001	
608	NQ	2	0			0.0000151	0	0.000001	
609	NQ	2	0			0.0000151	0	0.000001	
610	NQ	2	0			0.0000151	0	0.000001	
611	NQ	2	0			0.0000151	0	0.000001	
612	NQ	2	0			0.0000151	0	0.000001	
613	NQ	2	0			0.0000151	0	0.000001	
614	NQ	2	0			0.0000151	0	0.000001	
615	NQ	2	0			0.0000151	0	0.000001	
616	NQ	2	0			0.0000151	0	0.000001	
617	NQ	2	0			0.0000151	0	0.000001	
618	NQ	2	0			0.0000151	0	0.000001	
619	NQ	2	0			0.0000151	0	0.000001	
620	NQ	2	0			0.0000151	0	0.000001	
621	NQ	2	0			0.0000151	0	0.000001	
622	NQ	2	0			0.0000151	0	0.000001	
623	NQ	2	0			0.0000151	0	0.000001	
624	NQ	2	0			0.0000151	0	0.000001	
625	NQ	2	0			0.0000151	0	0.000001	
626	NQ	2	0			0.0000151	0	0.000001	
627	NQ	2	0			0.0000151	0	0.000001	
628	NQ	2	0			0.0000151	0	0.000001	
629	NQ	2	0			0.0000151	0	0.000001	
630	NQ	2	0			0.0000151	0	0.000001	
631	NQ	2	0			0.0000151	0	0.000001	
632	NQ	2	0			0.0000151	0	0.000001	
633	NQ	2	0			0.0000151	0	0.000001	
634	NQ	2	0			0.0000151	0	0.000001	
635	NQ	2	0			0.0000151	0	0.000001	
636	NQ	2	0			0.0000151	0	0.000001	
637	NQ	2	0			0.0000151	0	0.000001	
638	NQ	2	0			0.0000151	0	0.000001	
639	NQ	2	0			0.0000151	0	0.000001	
640	NQ	2	0			0.0000151	0	0.000001	
641	NQ	2	0			0.0000151	0	0.000001	
642	NQ	2	0			0.0000151	0	0.000001	
643	NQ	2	0			0.0000151	0	0.000001	
644	NQ	2	0	0	140	0.0000151	0	0.000001	
645	NQ	2	0	0	2730	0.0000151	0	0.000001	
646	NQ	2	2090	2090	4580	0.0000151	0.031559	0.03156	
647	NQ	2	1620	1620	3050	0.0000151	0.024462	0.024463	
648	NQ	2	1070	1070	2400	0.0000151	0.016157	0.016158	
649	NQ	2	1070	1070	2430	0.0000151	0.016157	0.016158	
650	NQ	2	1070	1070	3100	0.0000151	0.016157	0.016158	
651	NQ	2	200	200	3560	0.0000151	0.00302	0.003021	
652	NQ	2	40	40	100	0.0000151	0.000604	0.000605	
653	NQ	2	20	20	40	0.0000151	0.000302	0.000303	
654	NQ	2	2	2	60	0.0000151	0.0000302	0.0000312	
655	NQ	2	2	2	700	0.0000151	0.0000302	0.0000312	
656	NQ	2	10	10	3020	0.0000151	0.000151	0.000152	
657	NQ	2	1070	1070	2050	0.0000151	0.016157	0.016158	
658	NQ	2	0	0	2200	0.0000151	0	0.000001	

MAGNETIC SUSCEPTIBILITY LOG *RGC Exploration Pty Ltd* 365145

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Prospect:	Basin Lake					Date:	10/12/96	Column for
Hole: TYN015	Sheet 1 of 1			Operator:	C Dauth & B Stark			graphing at a
Instrument:	GMS-2				Units (SI or CGS):	SI		log scale
Sample # or Depth	Core Size	Sensor Location	Reading most commo	Reading Range Min	Reading Range Max	Correction Factor	Corrected Reading	ie. do not include values of zero
659	NQ	2	20	20	1100	0.0000151	0.000302	0.000303
660	NQ	2	0			0.0000151	0	0.000001
661	NQ	2	0			0.0000151	0	0.000001
662	NQ	2	0			0.0000151	0	0.000001
663	NQ	2	0	0	2820	0.0000151	0	0.000001
664	NQ	2	1300	1300	3600	0.0000151	0.01963	0.019631
665	NQ	2	1460	1460	2960	0.0000151	0.022046	0.022047
666	NQ	2	670	670	2350	0.0000151	0.010117	0.010118
667	NQ	2	5	5	1680	0.0000151	0.0000755	0.0000765
668	NQ	2	5	5	160	0.0000151	0.0000755	0.0000765
669	NQ	2	0			0.0000151	0	0.000001
670	NQ	2	10	10	540	0.0000151	0.000151	0.000152
671	NQ	2	2840	2840	3900	0.0000151	0.042884	0.042885
672	NQ	2	1630	1630	2580	0.0000151	0.024613	0.024614
673	NQ	2	1710	1710	2130	0.0000151	0.025821	0.025822
674	NQ	2	1680			0.0000151	0.025368	0.025369
675	NQ	2	610	610	1050	0.0000151	0.009211	0.009212
676	NQ	2	2400			0.0000151	0.03624	0.036241
677	NQ	2	1900			0.0000151	0.02869	0.028691
678	NQ	2	740	740	3350	0.0000151	0.011174	0.011175
679	NQ	2	3530	3530	5400	0.0000151	0.053303	0.053304
680	NQ	2	160	160	700	0.0000151	0.002416	0.002417
681	NQ	2	210	210	1650	0.0000151	0.003171	0.003172
682	NQ	2	10	10	1100	0.0000151	0.000151	0.000152
683	NQ	2	0	0	160	0.0000151	0	0.000001
684	NQ	2	0	0	120	0.0000151	0	0.000001
685	NQ	2	0	0	440	0.0000151	0	0.000001
686	NQ	2	60	60	400	0.0000151	0.000906	0.000907
687	NQ	2	1	1	2680	0.0000151	0.0000151	0.0000161
688	NQ	2	1030	1030	3580	0.0000151	0.015553	0.015554
689	NQ	2	0	0	3290	0.0000151	0	0.000001
690	NQ	2	0	0	2810	0.0000151	0	0.000001
691	NQ	2	1900	1900	3560	0.0000151	0.02869	0.028691
692	NQ	2	3300	300	3850	0.0000151	0.04983	0.049831
693	NQ	2	680	680	2940	0.0000151	0.010268	0.010269
694	NQ	2	820	820	2350	0.0000151	0.012382	0.012383
695	NQ	2	1600	300	1840	0.0000151	0.02416	0.024161
696	NQ	2	1200	1180	2010	0.0000151	0.01812	0.018121
697	NQ	2	2100	1850	2520	0.0000151	0.03171	0.031711
698	NQ	2	1300	900	1720	0.0000151	0.01963	0.019631
699	NQ	2	1400	1360	2060	0.0000151	0.02114	0.021141
700	NQ	2	1500	1580	2330	0.0000151	0.02265	0.022651
701	NQ	2	1300	1300	2830	0.0000151	0.01963	0.019631
702	NQ	2	2800	780	3460	0.0000151	0.04228	0.042281
703	NQ	2	1100	870	1620	0.0000151	0.01661	0.016611
704	NQ	2	1400	540	1940	0.0000151	0.02114	0.021141
705	NQ	2	1500	600	2190	0.0000151	0.02265	0.022651
706	NQ	2	2000	1830	2140	0.0000151	0.0302	0.030201
707	NQ	2	2400	1990	3920	0.0000151	0.03624	0.036241
708	NQ	2	3000	40	3790	0.0000151	0.0453	0.045301
709	NQ	2	2500	2410	3340	0.0000151	0.03775	0.037751
710	NQ	2	2300	0	2800	0.0000151	0.03473	0.034731
711	NQ	2	0			0.0000151	0	0.000001
712	NQ	2	1200	0	1230	0.0000151	0.01812	0.018121
713	NQ	2	20	20	1460	0.0000151	0.000302	0.000303
714	NQ	2	700	20	1420	0.0000151	0.01057	0.010571
715	NQ	2	1160	1160	1500	0.0000151	0.017516	0.017517
716	NQ	2	1500	850	2590	0.0000151	0.02265	0.022651
717	NQ	2	2600	2000	2960	0.0000151	0.03926	0.039261
718	NQ	2	2100	1600	2970	0.0000151	0.03171	0.031711
719	NQ	2	2100	1810	2480	0.0000151	0.03171	0.031711
720	NQ	2	2300	1190	2780	0.0000151	0.03473	0.034731
721	NQ	2	2400	1780	3200	0.0000151	0.03624	0.036241
722	NQ	2	1700	1350	2000	0.0000151	0.02567	0.025671
723	NQ	2	3300	1560	4460	0.0000151	0.04983	0.049831
724	NQ	2	2300	650	4250	0.0000151	0.03473	0.034731
725	NQ	2	2700	2200	2960	0.0000151	0.04077	0.040771
726	NQ	2	1500	0	1650	0.0000151	0.02265	0.022651
727	NQ	2	0	0	2540	0.0000151	0	0.000001

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Prospect:	Basin Lake					Date:	10/12/96	Column for	
Hole: TYN015	Sheet 1 of 1			Operator:	C Dauth & B Stark			graphing at a	
Instrument:	GMS-2				Units (SI or CGS):	SI		log scale	
Sample # or Depth	Core Size	Sensor Location	Reading most commo	Reading Range Min	Max	Correction Factor	Corrected Reading	ie. do not include values of zero	
728	NQ	2	50	10	1080	0.0000151	0.000755	0.000756	
729	NQ	2	50	4	520	0.0000151	0.000755	0.000756	
730	NQ	2	5	0	10	0.0000151	0.0000755	0.0000765	
731	NQ	2	300	20	2450	0.0000151	0.00453	0.004531	
732	NQ	2	2500	1800	4000	0.0000151	0.03775	0.037751	
733	NQ	2	300	30	620	0.0000151	0.00453	0.004531	
734	NQ	2	1500	530	2500	0.0000151	0.02265	0.022651	
735	NQ	2	1500	1420	2880	0.0000151	0.02265	0.022651	
736	NQ	2	900	500	2880	0.0000151	0.01359	0.013591	
737	NQ	2	3000	1330	3920	0.0000151	0.0453	0.045301	
738	NQ	2	3000	1740	3380	0.0000151	0.0453	0.045301	
739	NQ	2	1700	1370	1960	0.0000151	0.02567	0.025671	
740	NQ	2	2500	1430	3490	0.0000151	0.03775	0.037751	
741	NQ	2	80	80	2960	0.0000151	0.001208	0.001209	
742	NQ	2	420	420	3000	0.0000151	0.006342	0.006343	
743	NQ	2	1000	100	3035	0.0000151	0.0151	0.015101	
744	NQ	2	2700	610	3900	0.0000151	0.04077	0.040771	
745	NQ	2	2000	1290	2650	0.0000151	0.0302	0.030201	
746	NQ	2	1300			0.0000151	0.01963	0.019631	
747	NQ	2	0			0.0000151	0	0.000001	
748	NQ	2	0			0.0000151	0	0.000001	
749	NQ	2	0			0.0000151	0	0.000001	
750	NQ	2	0			0.0000151	0	0.000001	
751	NQ	2	0			0.0000151	0	0.000001	
752	NQ	2	0	0	1450	0.0000151	0	0.000001	
753	NQ	2	2200	580	2510	0.0000151	0.03322	0.033221	
754	NQ	2	0	0	1530	0.0000151	0	0.000001	
755	NQ	2	0			0.0000151	0	0.000001	
756	NQ	2	0			0.0000151	0	0.000001	
757	NQ	2	0			0.0000151	0	0.000001	
758	NQ	2	0			0.0000151	0	0.000001	
759	NQ	2	0			0.0000151	0	0.000001	
760	NQ	2	0			0.0000151	0	0.000001	
761	NQ	2	0			0.0000151	0	0.000001	
762	NQ	2	0			0.0000151	0	0.000001	
763	NQ	2	0			0.0000151	0	0.000001	
764	NQ	2	0			0.0000151	0	0.000001	
765	NQ	2	0			0.0000151	0	0.000001	
766	NQ	2	2			0.0000151	0.0000302	0.0000312	
767	NQ	2	500	30	2580	0.0000151	0.00755	0.007551	
768	NQ	2	1500	390	1680	0.0000151	0.02265	0.022651	
769	NQ	2	2000	870	2750	0.0000151	0.0302	0.030201	
770	NQ	2	2000	330	3490	0.0000151	0.0302	0.030201	
771	NQ	2	300	110	2570	0.0000151	0.00453	0.004531	
772	NQ	2	2800	1950	3700	0.0000151	0.04228	0.042281	
773	NQ	2	3000	2020	3190	0.0000151	0.0453	0.045301	
774	NQ	2	2000	0	2720	0.0000151	0.0302	0.030201	
775	NQ	2	3000	2530	3500	0.0000151	0.0453	0.045301	
776	NQ	2	2600	940	4000	0.0000151	0.03926	0.039261	
777	NQ	2	0	0	1800	0.0000151	0	0.000001	
778	NQ	2	0			0.0000151	0	0.000001	
779	NQ	2	2400	850	3700	0.0000151	0.03624	0.036241	
780	NQ	2	3500	2000	4000	0.0000151	0.05285	0.052851	
781	NQ	2	4500	4200	5620	0.0000151	0.06795	0.067951	
782	NQ	2	3700	2000	5000	0.0000151	0.05587	0.055871	
783	NQ	2	2000	0	2100	0.0000151	0.0302	0.030201	
784	NQ	2	1700	1100	2350	0.0000151	0.02567	0.025671	
785	NQ	2	300	150	1750	0.0000151	0.00453	0.004531	
786	NQ	2	0	0	80	0.0000151	0	0.000001	
787	NQ	2	0	0	40	0.0000151	0	0.000001	
788	NQ	2	0			0.0000151	0	0.000001	
789	NQ	2	5	0	10	0.0000151	0.0000756	0.0000765	
790	NQ	2	0	0	20	0.0000151	0	0.000001	
791	NQ	2	0			0.0000151	0	0.000001	
792	NQ	2	0			0.0000151	0	0.000001	
793	NQ	2	0	0	20	0.0000151	0	0.000001	
794	NQ	2	0	0	20	0.0000151	0	0.000001	
795	NQ	2	0			0.0000151	0	0.000001	
796	NQ	2	0	0	1600	0.0000151	0	0.000001	

MAGNETIC SUSCEPTIBILITY LOG *RGC Exploration Pty Ltd*

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Prospect:	Basin Lake						Date:	10/12/96	Column for
Hole: TYN015		Sheet 1 of 1			Operator:	C Dauth & B Stark			graphing at a
Instrument:	GMS-2				Units (SI or CGS):		SI		log scale
Sample # or Depth	Core Size	Sensor Location	Reading most commo	Reading Range Min	Reading Range Max	Correction Factor	Corrected Reading		ie. do not include values of zero
797	NQ	2	2200	1980	2750	0.0000151	0.03322		0.033221
798	NQ	2	2600	2400	3100	0.0000151	0.03926		0.039261
799	NQ	2	3500	20	3560	0.0000151	0.05285		0.052851
800	NQ	2	0			0.0000151	0		0.000001
801	NQ	2	0			0.0000151	0		0.000001
802	NQ	2	0			0.0000151	0		0.000001
803	NQ	2	0			0.0000151	0		0.000001
804	NQ	2	0			0.0000151	0		0.000001
805	NQ	2	0	0	25	0.0000151	0		0.000001
806	NQ	2	0			0.0000151	0		0.000001
807	NQ	2	20			0.0000151	0.000302		0.000303
808	NQ	2	0	0	20	0.0000151	0		0.000001
809	NQ	2	0			0.0000151	0		0.000001
810	NQ	2	0			0.0000151	0		0.000001
811	NQ	2	0			0.0000151	0		0.000001
812	NQ	2	0	0	800	0.0000151	0		0.000001
813	NQ	2	500	0	2300	0.0000151	0.00755		0.007551
814	NQ	2	2000	0	2300	0.0000151	0.0302		0.030201
815	NQ	2	0			0.0000151	0		0.000001
816	NQ	2	0			0.0000151	0		0.000001
817	NQ	2	0			0.0000151	0		0.000001
818	NQ	2	0			0.0000151	0		0.000001
819	NQ	2	0			0.0000151	0		0.000001
820	NQ	2	0			0.0000151	0		0.000001
821	NQ	2	0			0.0000151	0		0.000001
822	NQ	2	0			0.0000151	0		0.000001

APPENDIX 7

Carbonate Trace Element Analyses

Basin Lake Carbonates Trace Element Data								
SAMPLE	41870	45844	45845	45801	45802	45803	45804	
HOLE	BL001	BL001	BL001	TYN006	TYN006	TYN006	TYN006	
NORTHING	3400	3400	3400	4200	4200	4200	4200	
EASTING	800	800	800	800	800	800	800	
DEPTHF	276	280.2	292.4	295.2	297.9	213.3	272.2	
ASPPMN	3.83	22.4	10.7	-1	-1	-1	-1	
AUPPBN	-5	-5	-5	-5	-5	-5	-5	
BAPPMN	159	-100	429	-100	-100	-100	1770	
CAPCTI	37.05	9.75	22.4	18.6	18.1	18.8	11.3	
CAPCTA	36	36.3	29.9	38.4	34.2	36.1	35.2	
CAPCTAO	36.4	NA	NA	NA	NA	NA	NA	
CEPPMI	11.97	4.07	25.53	6.77	40.96	15.91	18.48	
CEPPMN	19.8	3.63	26.7	7.63	42.4	15.5	19.7	
COPPMN	8.41	1.24	10	1.02	-1	-1	-1	
CRPPMN	9.4	-5	5.7	8.6	-5	-5	-5	
CSPPMN	-1	-1	-1	-1	-1	-1	-1	
CUPPMI	33	67	11	9	3	9	6	
DYPPMI	0.8	0.48	2.14	0.34	6.34	1.01	1.43	
EUPPMI	0.21	0.11	0.51	0.14	3.11	0.35	0.68	
EUPPMN	-0.5	-0.5	-0.5	-0.5	3.04	-0.5	0.65	
FEPCTI	0.99	0.246	1.81	0.189	0.346	0.112	0.173	
FEPCTN	1.58	0.32	2.88	0.22	0.41	0.15	0.21	
GDPPMI	0.8	0.44	2.29	0.32	4.83	1.03	1.36	
HFPPMN	0.64	-0.5	1.34	-0.5	-0.5	-0.5	-0.5	
KPCTN	-0.2	-0.2	0.33	-0.2	-0.2	-0.2	-0.2	
LAPPMI	7.73	3.93	19.16	5.14	22.13	10.32	10.64	
LAPPMN	10.5	2.09	14.9	4.13	18	7.65	8.74	
LUPPMI	0.1	-0.05	0.33	0.05	0.3	0.06	-0.05	
LUPPMN	-0.2	-0.2	0.25	-0.2	0.25	-0.2	-0.2	
MGPCTI	0.56	0.212	0.745	0.168	0.093	0.229	0.339	
MNPPMI	1210	1310	2190	627	2700	784	1390	
MOPPMN	-5	-5	-5	-5	-5	-5	-5	
Explantion:-		ASPPMMN - Arsenic, Units ppm, N - Neutron Activation Analysis						
		CAPCTI - Calcium, Units %, I - ICP Analysis						
		- Ca values probably in error.						
		CAPCTIO - Other ICP data						
		CAPCTA - Calcium, Units %, AAS data with XRF checks						
		LUPPMI - Lutitium, Units ppm, ICP Analysis						

Basin Lake Carbonates Trace Element Data

SAMPLE	41870	45844	45845	45801	45802	45803	45804
HOLE	BL001	BL001	BL001	TYN006	TYN006	TYN006	TYN006
NAPCTN	0.43	0.01	0.65	0.15	0.08	0.35	0.2
PBPPMI	9	13.9	7.7	20.9	8.4	10.6	8.8
RBPPMN	-20	-20	-20	-20	-20	-20	-20
SBPPMI	0.22	2.46	0.55	0.12	0.17	0.17	0.12
SBPPMN	0.41	4.03	1.6	-0.2	0.27	-0.2	0.2
SCPPMN	4.89	0.84	6.46	1	9.32	1.75	1.16
SMPPMI	1.1	0.5	2.12	0.6	6.15	1.57	1.72
SMPPMN	1.62	0.49	2.09	0.57	5.57	1.34	2.08
SNPPMN	-500	-500	-500	-500	-500	-500	-500
SRPPMI	370.6	374.24	550	288.09	459.13	350.93	359.75
TBPPMI	0.14	NA	NA	NA	NA	NA	NA
THPPMN	3.13	-0.5	4.21	0.86	-0.5	0.89	-0.5
TIPPMI	NA	25	878	93	-5	9	-5
UPPMN	-2	-2	-2	-2	-2	-2	-2
YBPPMI	NA	0.26	1.42	0.14	1.92	0.31	-0.05
YBPPMN	0.69	-0.5	1.72	-0.5	1.98	-0.5	-0.5
YPPMI	6.71	3.82	15.24	2.19	41.43	5.62	8.51
ZNPPMI	51	11	75	43	3	7	6
ZNPPMN	132	-100	121	-100	-100	-100	-100
ZRPPMN	-500	-500	-500	-500	-500	-500	-500
HOLE	BL001	BL001	BL001	TYN006	TYN006	TYN006	TYN006
OREMIN	NA	NA	NA	NA	NA	NA	NA
SPARE1	NA	CRPK	WTGN	WT	WT	LGR	GRWT
UNIT	NA	NA	NA	NA	NA	NA	NA
VEINS	NA	NA	NA	NA	Q.CARB	NA	NA

Explantion:-

ASPPMMN - Arsenic, Units ppm, N - Neutron Activation Analysis

CAPCTI - Calcium, Units %, I - ICP Analysis

- Ca values probably in error.

CAPCTIO - Other ICP data

CAPCTA - Calcium, Units %, AAS data with XRF checks

LUPPMI - Lutitium, Units ppm, ICP Analysis

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RGC Exploration

ACN 001 426 946

ANNUAL REPORT
DEC 1995 - DEC 1996

MINERAL RESOURCES
15 JAN 1997
TASMANIA

TASMANIAN BASE METALS PROJECT

EL 14/93

BASIN LAKE

MICROFILMED
FICHE No. 014164-68

Vol 2 of 2

Plans

MINERAL RESOURCES
EL14/93
16 JAN 1997
See folio 16

HELD BY: RENISON LIMITED

MANAGER & OPERATOR: RGC EXPLORATION PTY LTD

AUTHOR(s): Michael Vicary

3 January, 1997

PROSPECTS: Basin Lake, Tyndall Creek

MAP SHEETS:	**1:250,000: Tyndall, Gormanston**	**1:100,000: Sophia, Franklin**
GEOGRAPHIC COORDS	**Min East: 380 000mE, Min North: 5349 000mN**	**Max East: 382 000mE, Max North: 5357 000mN**

COMMODITY(s): Zn, Pb, Cu, Au, Ag

KEY WORDS: Basin Lake, Exhalitive Massive Sulphide Deposits, Tyndall Group, Central Volcanic Sequence, Anthony Road Andesite

Distribution:

- **RGC Exploration Information Centre Reference:**
- **RGC Exploration Zeehan**
- **Department of Mines, Tasmania**

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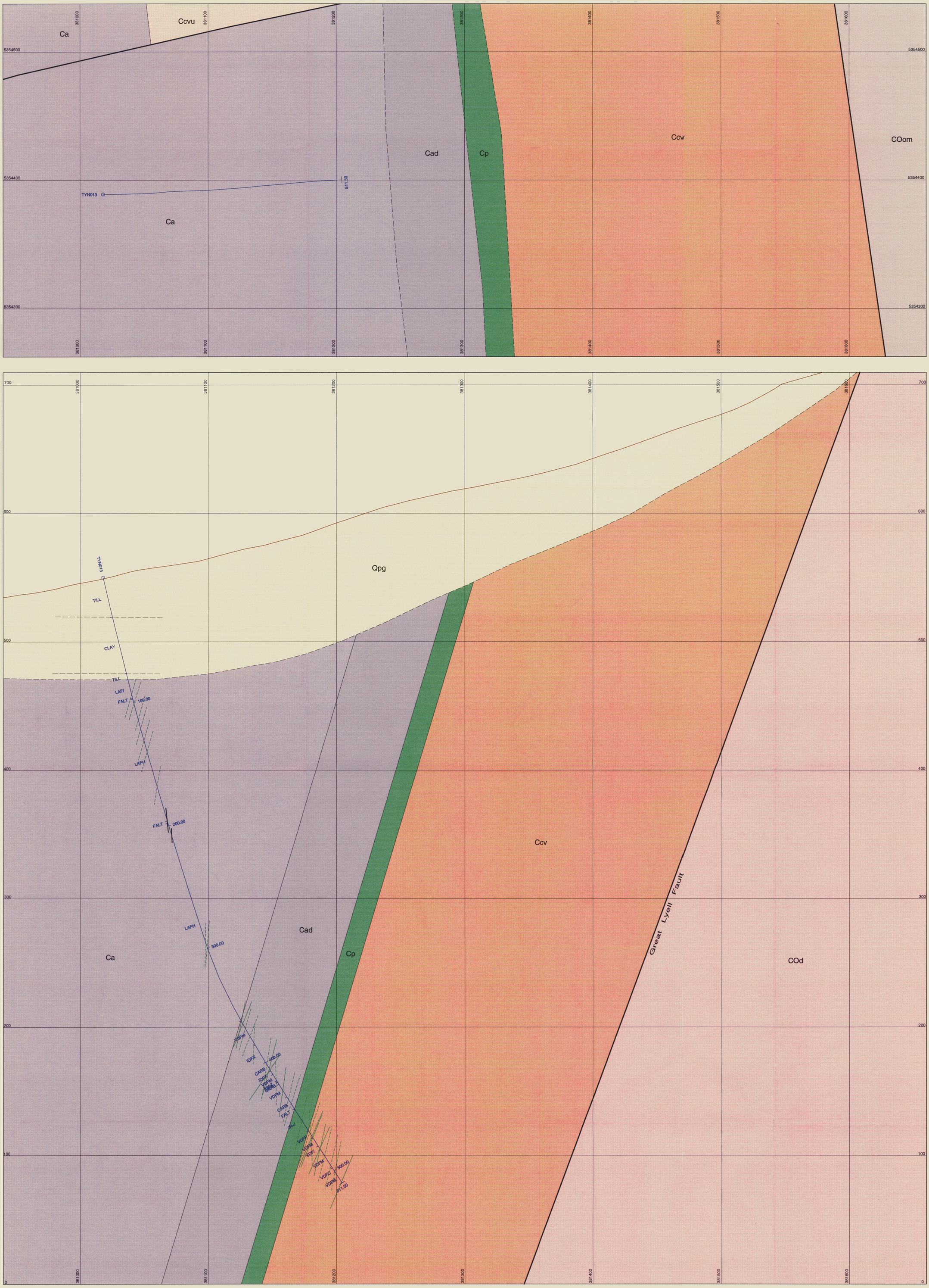
ANNUAL REPORT 1996 - BASIN LAKE
EL 14/93 - RGC - M VICARY
VOLUME 2 OF 2

LIST OF PLANS

		Drg. ID	Scale
PLAN 1	TYN013 Geology Cross Section and Plan View	2313b034.dgn	1:1000
PLAN 2	TYN014 Geology Cross Section and Plan View	2313b037.dgn	1:1000
PLAN 3	TYN015 Geology Cross Section and Plan View	2313b039.dgn	1:1000
PLAN 4	Basin Lake EL 14/93 Geological Interpretation Plan	2313b10.dgn	1:10000
PLAN 5	2nd Horizontal Derivative of Total Magnetic Intensity, Bipole Plan	2313/035	1:10000
PLAN 6	Basin Lake TYN015 Magnetic Susceptibility Log	2313/040	1:2000
PLAN 7	Cambrian Stratigraghy. Basin Lake Area	2313/041	1:5000 + 1:1000



GEOLOGICAL REFERENCE

QUATERNARY

- Qpg ..... *Alluvium, colluvium, talus and till*

CAMBRIAN

- COd ..... *Undifferentiated Owen Conglomerate, includes COom(middle Owen Conglomerate)*

ANTHONY ROAD ANDESITE

- Ca ..... *Andesitic to basaltic intrusive bodies with lavas and clastic units. Includes feldspar-hornblende-pyroxene-phyric and feldspar-pyroxene phyric types and small chlorite altered dykes. Includes Crown Hill andesite.*
- Cav ..... *Andesitic to basaltic clastic units*
- Cas ..... *Black pyritic siltstone*

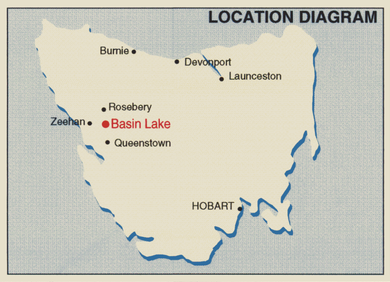
CENTRAL VOLCANIC COMPLEX

- Cad ..... *Interbedded andesitic - dacitic lavas and volcaniclastic sediments*
- Cp ..... *Quartz - feldspar phyric lava / intrusive*
- Ccv ..... *Mainly felsic pyroclastic rocks, dominantly feldspar phyric, including pumice bearing tuff and breccia, crystal vitric tuff, vitric tuff and minor shale and sandstone*
- Ccvu ..... *Undifferentiated*

- ..... *Fault*
- ..... *Geological Boundary*
- ..... *Structural measurement, bedding*
- ..... *Structural measurement, cleavage*

5 cm

LOCATION DIAGRAM



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Member of the Renison Goldfields Consolidated Group

TASMANIA BASE METALS

BASIN LAKE E.L. 14/93
DRILLHOLE TYN013 GEOLOGY CROSS SECTION & PLANVIEW

Geology :geol10.dgn Topography :- Aeromag :- Soils samples :- Drilling :- Tenement :- Amg Grid :grid034.dgn	Geologist : M.Vicary	Date : December 1996	Scale : 1 : 1000
	Drawn : M.Walter	Revision Date :	1:25,000 Ref. Map
	Drawing Path : c:\ms-draft\basin\sect	Drawing Name : 2313b034.dgn	PLAN 1

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NTAL REPORT 1996 - BASIN LAKES
EL 14/93 - RCC - M VICARY
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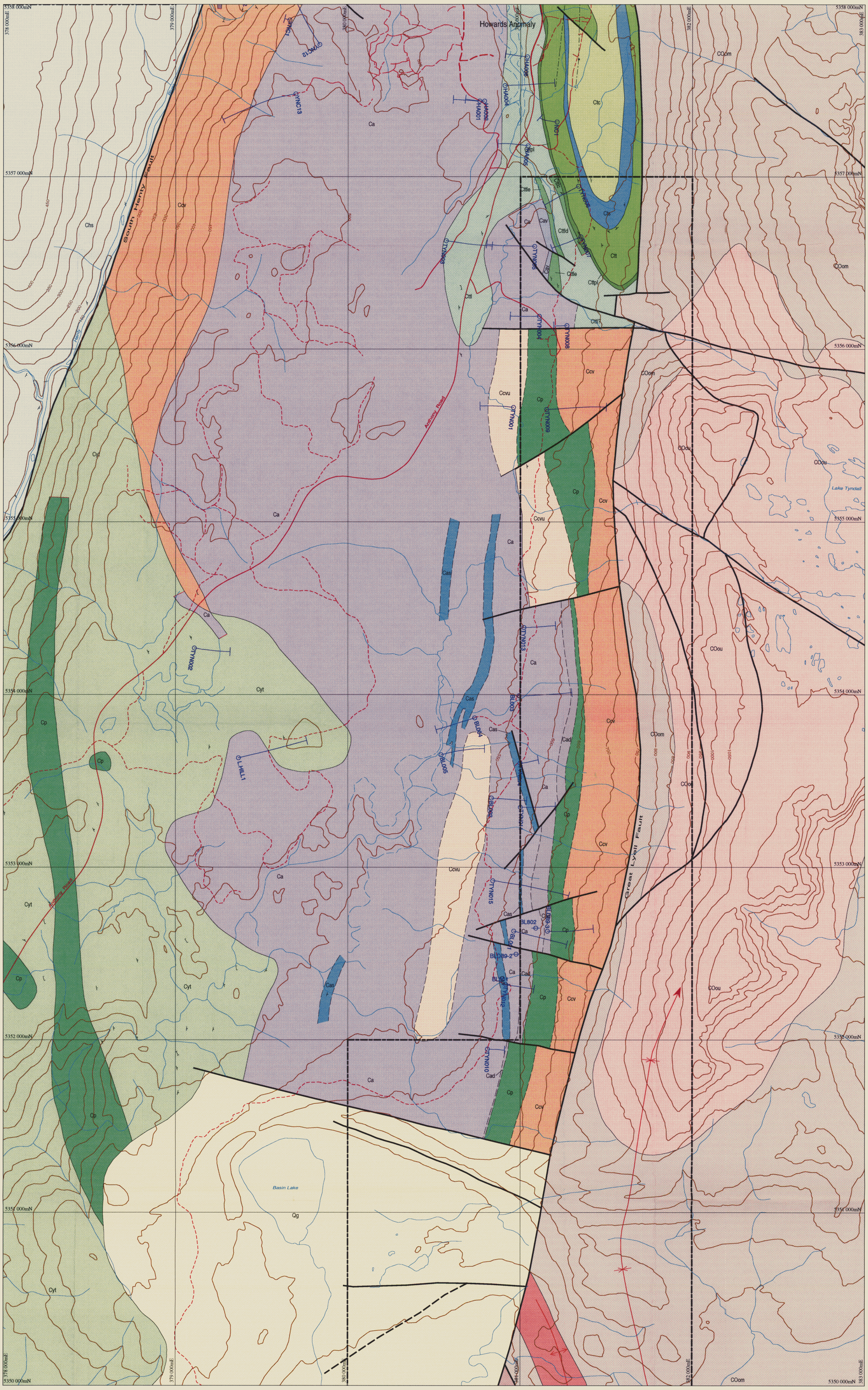
PLANVIEW

Great Lyell Fault

Qcd
Qcv
Qa
Qpg
Cs
Cw
Cal
Cbl

TYN014-C
TILL
LAF/SILT
LAF/
CBBR
CBBX
CBBB
LAF/
LAHB
CBBX
LAHB
LAFH
VAFH
VALC
VAFH
LAF/
VAFH
VALC
VAFH
LAFH
LAFH
LAFX
LAFB
LAF
LAFB
VALC
VAFH
LAFH
LAFH
LAFH
LAFH
VAFH
VAFH
V

PLANVIEW
CCW



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ANNUAL REPORT 1996 - BASIN LAKE
EL 14/93 - RGC - M VICARY
VOLUME 2 OF 2

GEOLOGICAL REFERENCE

QUATERNARY

Qu ..... *Alluvium, colluvium, talus and till*

CAMBRIAN

€Oo ..... *Undifferentiated Owen Conglomerate*

Tyndall Group

€tc ..... *Mainly volcaniclastic conglomerate with minor mudstone and tuff*

€ts ..... *Bedded sandstone - siltstone units*

€tt ..... *Mainly crystal-rich volcanic sandstone (quartz-feldspar phyric). Comstock tuff and correlates.*

€ttpl ..... *Chert bearing massflow base to Comstock Tuff*

€ttl
- €ttlc ..... *Chloritic quartz-feldspar phyric volcaniclastic sandstone*
- €ttld
  - €carb ..... *Exhalitive carbonate horizon*
  - €ti ..... *Rhyolite lava/ignimbrite*
  - €ttldl ..... *Dacite lava*
  - €ttldv ..... *Dacitic volcaniclastic sediment*
- €ttlrl ..... *Feldspar-quartz phyric crystal-rich volcaniclastic sandstone & conglomerate*
- €ttlr
  - €ttlrl ..... *Rhyolitic lava*
  - €ttlrv ..... *Rhyolitic dacitic volcaniclastic sediment*
- €ttlb ..... *Interbedded dacitic to andesitic volcaniclastic sandstone, black siltstone and massive carbonate.*
  - €carb ..... *Exhalitive carbonate horizon*

Anthony Road Andesite

€a ..... *Andesitic to basaltic intrusive bodies with lavas and clastic units. Includes feldspar-hornblende-pyroxene-phyric and feldspar-pyroxene phyric types and small chlorite altered dykes. Includes Crown Hill andesite.*

€av ..... *Andesitic to basaltic clastic units*

€as ..... *Black pyritic siltstone*

Central Volcanic Complex

Cad ..... *Interbedded andesitic - dacitic lavas and volcaniclastic sediments*

€p ..... *Quartz - feldspar phyric lava / intrusive*

€cv ..... *Mainly felsic pyroclastic rocks, dominantly feldspar phyric, including pumice bearing tuff and breccia, crystal vitric tuff, vitric tuff and minor shale and sandstone*

Ccvu ..... *Undifferentiated*

Yolande River Sequence

€yt ..... *Interbedded vitric tuff, crystal tuff, siltstone, slate, sandstone and agglomerate*

€p ..... *Quartz-feldspar phyric intrusive*

Henty Fault Sequence

€hs ..... *Siltstone and sandstone*

€u ..... *Undifferentiated Cambrian Volcanics*

5 cm

- ..... *Geological contact*
- ..... *Fault*
- ..... *Bedding, facing unknown*
- 52 ..... *Bedding , facing up*
- ..... *Overturned bedding*
- ..... *Vertical, Horizontal bedding*
- ..... *Cleavage, Vertical cleavage*
- ..... *Compositional banding, foliation, vertical*

N

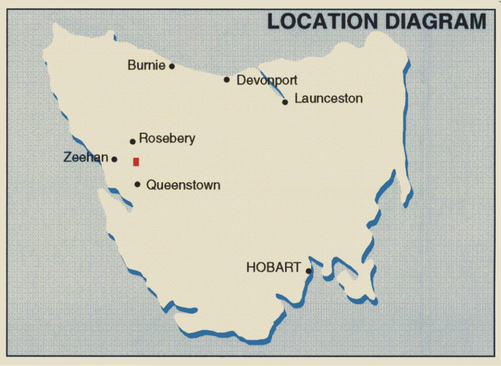
0 100 200 500 1000m

Scale 1:10000

TOPOGRAPHY

- ..... *Road*
- ..... *Track*
- ..... *Railway Line*
- ..... *Building*
- ..... *Fence*
- ..... *Watercourse*
- ..... *Lake*
- ..... *Well &/or Bore*
- ..... *Grid line*
- ..... *Tenement Boundary*
- 200 ..... *Index contour with value*
- 210 ..... *Minor contour with value*

LOCATION DIAGRAM



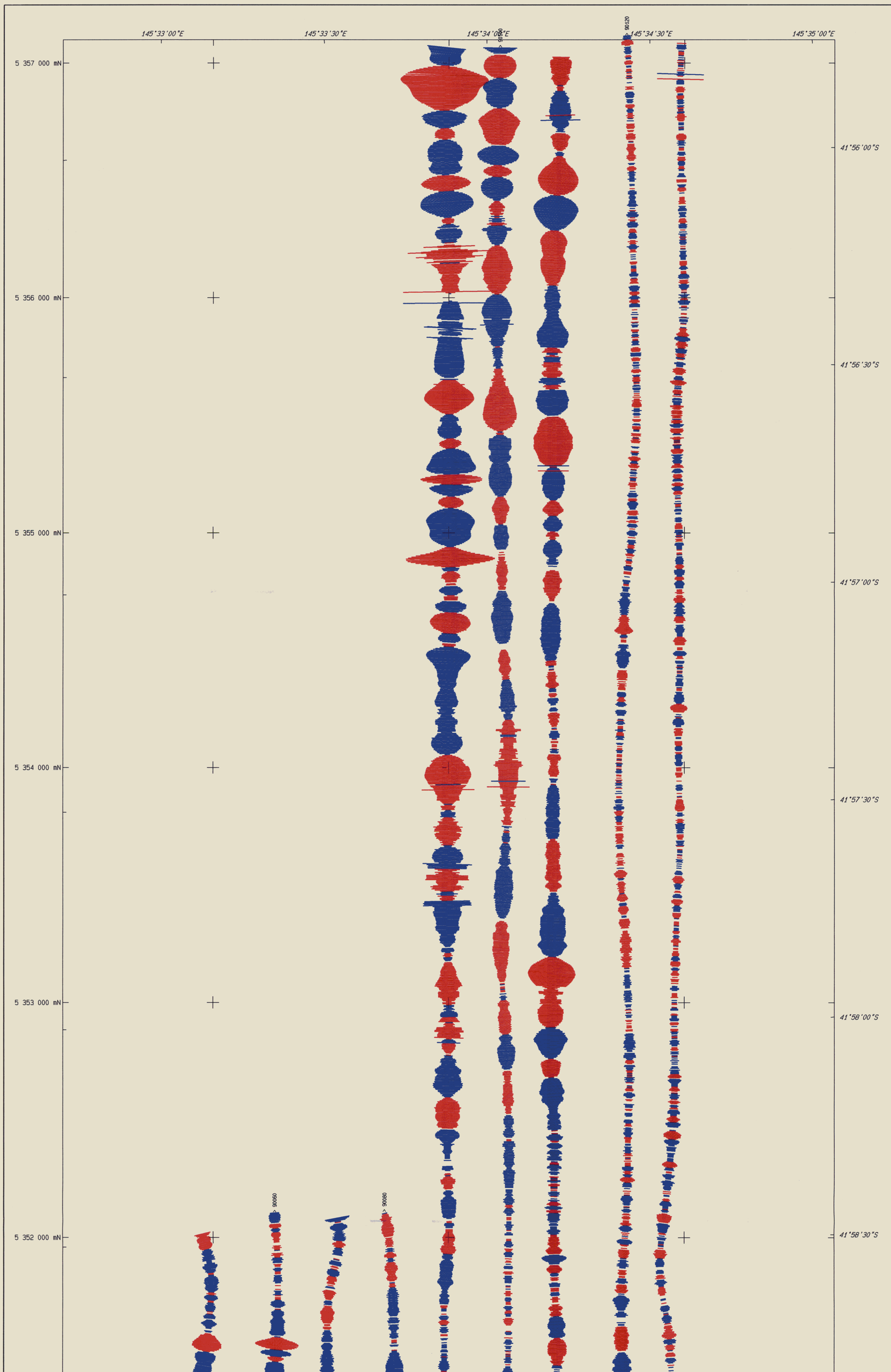
RGC EXPLORATION 365156

Member of the Renison Goldfields Consolidated Group

TAS BASE-METALS PROJECT

BASIN LAKE PROSPECT E.L. 14/93
GEOLOGICAL INTERPRETATION PLAN

Geology	:- geol10	Geologist : M.Vicary	Date : Sept. 1995	Scale : 1 : 10,000
Topography	:- tynd-dar			
Aeromag	:- 2302a2-7	Drawn : M.Walter	Revision Date : Dec. 1996	1:25,000 Ref. Map Tyndall
Soils samples	:-			
Drilling	:- basin-dd			
Tenement	:- tas55	Drawing Path : D:\ms-draft\basin\base		Drawing Name : 2313b023.dgn
Amg Grid	:- 2302gr10			PLAN 4



5 cm

SURVEY PARAMETERS:

Line spacing:	100 metres
Line direction:	090-270 degrees
Tie spacing:	500-1000 metres
Tie direction:	000-180 degrees
Data interval:	3.5 metres
Terrain clear:	30 metres
Positioning:	GPS
Survey date:	1995
Surveyed by:	UTS Geophysics
Processed by:	Tesla-10
Surveyed for:	

PROCESSING PARAMETERS:

DERIVATIVE = 2nd horiz
NWTS: AVE. FILTER = 5
NWTS: AGC = 0
EXPN: AGC = 0.5000
SIGN CHANGED = yes

PLOTTING PARAMETERS:

> = Plotting direction
PENWIDTH = 0.40mm
ZUNITS = metres
ZSCALE = 2000.000
ZLIMIT = 400.000
POSITIVE = red
NEGATIVE = blue

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GN
MN
TN

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Magnetic Declination (MN) = +13.3°
Grid Convergence (TN) = -0.96°
Magnetic Inclination = -72.6°

Projection: Universal Transverse Mercator (UTM)
Grid: Australian Map Grid (AMG)
UTM Zone: 55
Spheroid: Australian National (ANS66)

MAP SCALE 1: 10 000
0 100 200 300 400 500 metres

SmudgeWare

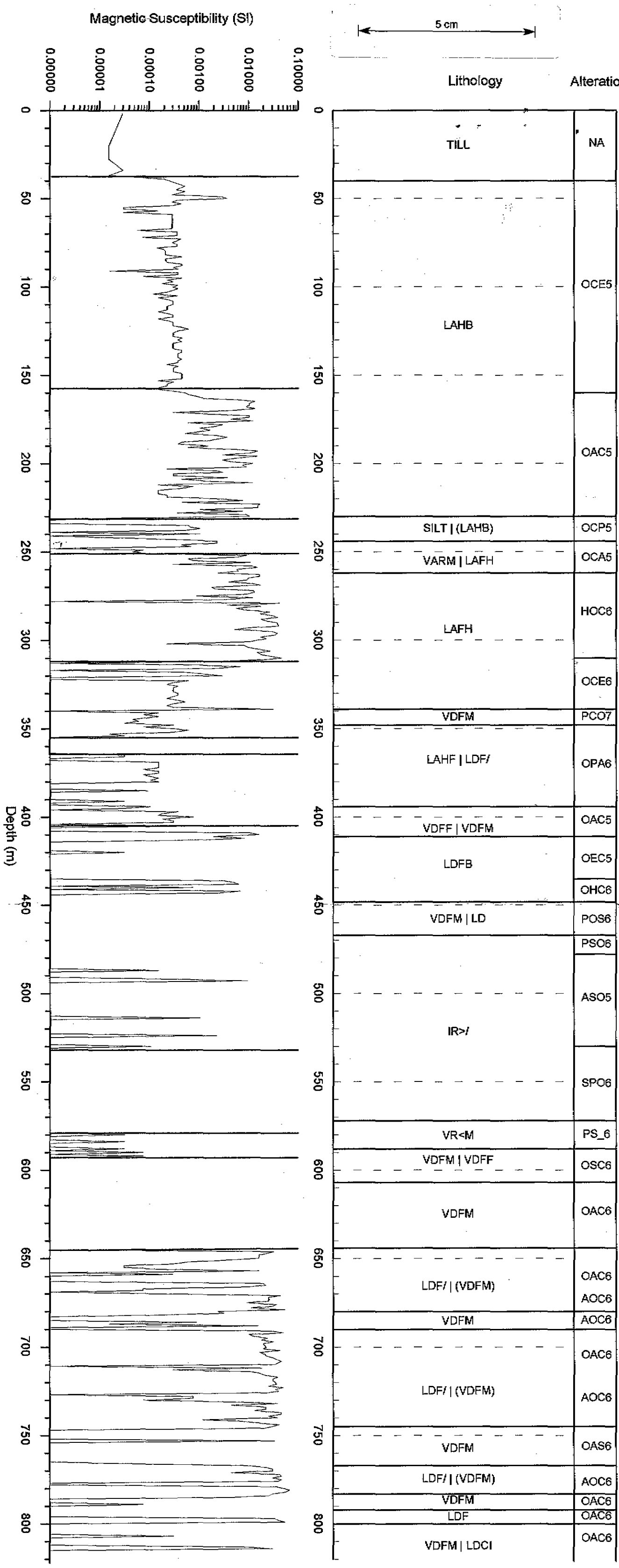
RGC EXPLORATION PTY LTD

BASIN LAKE PROJECT

Airborne Geophysical Survey
2nd HORIZONTAL DERIVATIVE OF
TOTAL MAGNETIC INTENSITY, BIPOLE PLOT

1: 250K: Queenstown SK/55-06	
Date: Sept 1996	Sheet: 1
Compiled: C. Dauth	Plan: 5 2313|035

BASIN LAKE TYN015 Magnetic Susceptibility Log



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ANNUAL REPORT 1996 - BASIN LAKE
EL 14/93 - RGC - M VICARY
VOLUME 2 OF 2

PLAN 6

Scale 1:2000

RGC EXPLORATION PTY LTD

Tasmania Base Metals
Basin Lake Project E14/93
Magnetic Susceptibility Log
November 1996

Hole: TYN015
Collar: 380845mE AMG
5352925mN AMG
Azimuth: 090-107 degrees at EOH
Dip: -65--49.7 degrees at EOH
Depth: 822.5m
Date Completed: Nov 21 1996

2313|040

5351000 mN

5352000 mN

5353000 mN

5354000 mN

5355000 mN

5356000 mN

Cross Fault

TYN010

Cross Fault

TYN012

Cross Fault

BL001

BLD 89-3

TYN015

TYN011

TYN014

BL003

TYN013

Cross Fault

Central Volcanics Sequence

Rhyolite Intrusive

Target Horizon

Anthony Road Andesite

Cross Fault

TYN009

5 cm

Vertical Scale = True Stratigraphic Thickness. 1:1000

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RGC EXPLORATION PTY. LIMITED
Incorporated in New South Wales

COMPILED	MJV	Cambrian Stratigraphy – Basin Lake Area
DRAWN	MJV	
DATE	12/96	97-3961
CHECKED		ANNUAL REPORT 1996 - BASIN LAKE EL 14/93 - RGC - M VICARY VOLUME 2 OF 2
1:250 000 REFERENCE.		

BASE PLAN NO 2313/041
OVERLAY PLAN NO

SCALE 1:5000 0 100 200 300 400

Plan 7