Aberfoyle Resources Limited

EXPLORATION DIVISION

A.C.N. 004 664 108

BASIN LAKE EL 103/87
TASMANIA

Technical Progress Report
for the period
April 1994 - March 1995

Volume 1 of 3
Text and Appendices

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Internal Report No.: Basin Lake 7

RHL\ABERFOYL\EL10387\WINWORD\REPORT\BSLAR96.DOC

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1. SUMMARY

The Basin Lake prospect area forms the southern part of the Anthony Basin: a Cambrian intermediate to felsic volcanic centre south of the Henty Fault Zone.

Work completed during the 1994-1995 exploration programme comprises gridding, ground UTEM and IP surveys, bedrock 'wacker' sampling and geochemistry.

The results of the programme are as follows:

Geophysical surveys completed on the Tyndall Creek grid did not detect a response attributable to massive sulfide.

Wacker sampling on the Basin Lake grid has identified a NNW trending zone of sericite-pyrite alteration with anomalous geochemistry over 3 lines (400m). Geological, geochemical and structural features of this area constitute a high priority target which is recommended for deep drill testing below surface EM range.

Wacker sampling on the Tyndall Creek grid has revealed an area of elevated Ag-Zn-As geochemistry south of Tyndall Creek. Further geochemistry and wacker sampling is proposed to clarify this zone.

2. INTRODUCTION

E.L.103/87 Basin Lake, north of Queenstown, covers an area of 13 square kilometers in two parts known as the Lake Selina (5 km^2) and Basin Lake (8 km^2) blocks (Figure 1).

E.L.103/87 Basin Lake was granted to the Shell Company of Australia on 21st April, 1988. Since June 1991, exploration has been managed and funded by Aberfoyle Resources Limited under the terms of the Basin Lake joint venture agreement with Billiton (now Acacia Resources).

E.L.103/87 was reduced from 26 to 13 km^2 on the 21st April 1993, in accordance with statutory requirements.

The following report documents exploration by Aberfoyle Resources on the Basin Lake block of E.L. 103/87 Basin Lake for the period March 1994 to March 1995.

SCALE 1:100 000

Kilometres 2 1 0 2 4 6 8 10 12 Kilometres

1 centimetre represents 1 kilometre

Aberfoyle Resources Limited

EXPLORATION DIVISION

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REVISIONS			
Init.	Date	Init.	Date

WESTERN TASMANIA

BASIN LAKE E.L.103/87

LOCALITY PLAN

Compiled : RS

Drawn : RdeB

Traced :

Checked : RS

Location Code :

Scale : 1:100000

Date : March 94

Plate No. : BL19

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3. PREVIOUS EXPLORATION

3.1 Goldfields

The area now covered by EL103/87 was first systematically explored as the East Tyndall prospect of EL9/66 Tyndall, managed by Mount Lyell (later Goldfields Exploration). This prospect/grid also included the area to the north known as Howards Anomaly. From 1971 the current Basin Lake area was split between the East Tyndall prospect (EL9/66) and Basin Lake prospect (EL41/71 - Henty/Yolande). Previous exploration on these prospects is tabulated below.

Years	EL	Company	Work	Details	Reference
Exploration on East Tyndall Grid of EL9/66 (Tyndall)					
1966-67	EL9/66	Goldfields	Access: Geology: Geophysics:	Bradshaw's Road extension, gridding mapping reconnaissance dipole-dipole IP (McPhar)	Elms 1967
1967-68	EL9/66	Goldfields	Access: Geology: Geophysics: Geochemistry:	infill gridding mapping detailed dipole-dipole IP (McPhar) ➡ 5 anomalies stream, soil, rock chip	Newnham 1968
1968-69	EL9/66	Goldfields	Geology: Geochemistry: Drilling:	costeaning IP/geochem. anomalies detailed soil TYN1 (224m) ➡ graphitic shales, no significant mineralisation	Newnham 1969
1969-73	EL9/66	Goldfields	No work in this period		
1973-74	EL9/66	Goldfields	Geology: Geophysics:	mapping re-interpretation of IP (Irvine) limited gradient array IP (Scintrex)	Wells 1973
1974-75	EL9/66	Goldfields	Access: Geology: Geophysics: Geochemistry: Drilling:	reclearing and in-fill gridding, minor bulldozing detailed mapping gradient array IP, proton magnetics, mercury vapour in soils (Scintrex) ➡ 2 major anomalies detailed soil TYN2 (260m) ➡ pyritic black shales, unmineralised TYN3 (366m) ➡ pyritic black shales, max. 1.5m @ 0.1% Cu	Stevens-Hoare 1975
Exploration on Basin Lake Grid of EL41/71 (Henty-Yolande)					
1975-76	EL41/71	Goldfields	Geochemistry:	soil	Brophy and Stevens-Hoare 1976
1976-77	EL41/71	Goldfields	Geology: Geochemistry:	costean IP/geochem. anomaly complete soil sampling	Meares 1977
1977-78	EL41/71	Goldfields	Access:	in-fill gridding	Meares 1978

			Geology: Geophysics: Geochemistry: Drilling:	costean IP anomaly ➡ pyritic black shale gradient array IP, limited dipole-dipole IP (Scintrex) ➡ close off previous anomalies, down-hole pole-dipole IP (BL1) (Scintrex) detailed soil sampling, rock chip costean BL1 (484m) ➡ 2 intersections both 4.5m @ 0.1% Pb, 0.4% Zn, 4 g/t Ag BL2 (296m) ➡ 4.5m @ 0.2% Pb, 0.05% Zn	
Basin Lake area re-amalgamated with EL9/66.					
1978-80	EL9/66	Goldfields	No work in this period		
1980-81	EL9/66	Goldfields	Access: Geology: Geophysics: Geochemistry: Drilling:	limited re-clearing grids re-logging previous holes, compilation, petrography BL3 & BL4. BL3 & BL4 magnetic susceptibility, down-hole IP (Scintrex) limited soil resampling, reassaying core BL1 & BL2 ➡ minor Pb, Zn in BL1 BL3 (451m) ➡ 6m @ 0.3% Pb BL4 (289m) ➡ 11.3m massive pyrite, max assay 1.7m @ 62 ppm Ag	Meares, Hutton & Komyshan 1981
1981-82	EL9/66	Goldfields	Access: Geology: Geophysics: Geochemistry:	re-establish grids additional mapping, alteration study & petrography (Eastoe) limited dipole-dipole IP (Scintrex) ➡ confirm anomaly limited rock chip	Meares, Purvis, Hutton & Komyshan 1982
1982-84	EL9/66	Goldfields	No work in this period		
1984-85	EL9/66	Goldfields	Access: Geochemistry: Drilling:	limited bulldozing limited stream sediment BL5 (347m) ➡ 6m @ 0.2% Zn, 0.1% Pb & 1.8m @ 3.5 ppm Ag in semi-massive pyrite	Fitzgerald & Pease 1985
1985-86	EL9/66	Goldfields Mines Department	Access: Geology: Geophysics: Geochemistry: Drilling:	re-establish grids, new lines limited mapping, compilation UTEM survey (Lamontagne) ➡ 10 anomalies, limited Sirotem (Solo) limited rock chip LH1 (504m) ➡ Leech Hill Alteration zone	Fitzgerald & Cartwright 1986 Corbett 1985
1986-87	EL9/66	Goldfields	Access: Geology: Geophysics: Drilling:	limited bulldozing, line cutting, rehabilitation limited mapping, sampling petrophysical testing BL4 (Mitre), down-hole Sirotem TYN4, TYN5 & BL4 (part) (Solo) ➡ no significant anomalies TYN4 (250m) ➡ unmineralised TYN5 (373m) ➡ virtually unmineralised	Fitzgerald 1987
Basin Lake relinquished 1987.					

3.2 Billiton (1987-1991)

Exploration by Billiton was targeted at massive base metal sulfide deposits at depths greater than 200m. A 400m spaced AMG grid was established, mapped and covered by CSAMT/ground magnetics with follow-up EM/gravity over anomalous zones. This led to the definition of 3 targets in the southern part of the current Basin Lake block which were tested in diamond drill holes BLD89-1, BLD89-2 and BLD89-3. These holes (totaling 873.4m) did not intersect mineralisation but confirmed the geological source of the target anomalies.

Years	EL	Company	Work	Details	Reference
1987-88	EL103/87	Billiton	Review of previous exploration.		
1988-89	EL103/87	Billiton	Access: Geophysics:	12.2 km of 400m spaced gridlines CSAMT, ground magnetics with follow-up Max-Min EM and gravity	Creagh & Hungerford (1989)
1989-90	EL103/87	Billiton	Access: Geology: Geophysics: Geochemistry: Drilling:	34.4 km of 400m spaced gridlines grid mapping, sampling CSAMT, ground magnetics rock chip BLD89-1 (235m) ➡ graphitic black shale BLD89-2 (250m) ➡ graphitic black shale BLD89-3 (388m) ➡ disseminated pyrite (130-220m)	Creagh & Hungerford (1990)
1990-91	EL103/87	Billiton	No work in this period.		

3.3 Aberfoyle (1991-1995)

1991-1992 (Richardson 1992)

Exploration undertaken by Aberfoyle in 1991-92 comprised down hole EM on BLD89-3 and a surface UTEM programme.

Perceived problems with data quality from the Billiton DHEM survey prompted Aberfoyle to resurvey BLD89-3. An off-hole conductor was detected and eventually related to a carbonaceous shale intersected in the earlier Goldfields hole BL2.

A six loop 59 line km UTEM survey was completed by Lamontagne Geophysics on behalf of Aberfoyle Resources in February 1991. This survey tested the top of the Anthony Andesite and base of units now mapped as Lower Tyndall Group. No significant conductors were detected.

1992-93 (Richardson 1993)

No work on the Basin Lake block of EL103/87.

50% Statutory Relinquishment in April 1993 (Richardson 1993).

1993-1994 (Sharpe 1994)

Work completed during the 1993-1994 exploration programme comprised a 100m line spaced, 187 line km helimagnetic-radiometric survey, geological mapping, petrographic and geochemical investigations. This work outlined the distribution of Lower Tyndall Group units and potential for these units to host massive sulphide mineralisation. A structural framework was developed from helimagnetic interpretation. Whole rock and rare earth geochemistry, combined with petrological investigations, identified a number of volcanic centres in the Anthony Road Andesite.

3.4 Research

Research completed over the prospect area includes a study on the structure, stratigraphy and palaeovolcanology of exposure along the Anthony Road as partial fulfillment of an Honours degree at Monash University (Hutton 1989). A study of the geology of Anthony Road exposure along the Anthony Road was also completed by Gibson (1991) at the University of Tasmania.

The joint venture partners are currently sponsoring a Masters Project being undertaken by A. Jones (CODES - University of Tasmania) on the Basin Lake-Howards Anomaly area. Sponsorship per annum comprises $5000 cash from Acacia and $5000 in kind from Aberfoyle. The project aims to document the character/geometry of volcanic-sedimentary facies associations and textures/styles of alteration in the study area.

4. ACCESS

Tyndall Creek Grid: 4.8 line km of gridding was completed in the north of the prospect in preparation for IP/EM surveys and bedrock 'wacker' sampling. Easting lines on this grid are oriented at 030° magnetic.

Basin Lake Grid: 7.3 line km of infill gridding on 200m spaced lines was completed in preparation for a bedrock 'wacker' sampling programme. Part of this involved recutting of the 1989-90 400m spaced Billiton grid. An additional 0.5 line km of access gridding was cut over EL13/94 with the permission of RGC Exploration.

New gridding is shown on PLATE BL50.

5. GEOLOGY

Mapping of the Basin Lake area was completed during the 1993-1994 field programme (Sharpe 1994). Outcrop is largely confined to the Anthony Road and the area surrounding the Leech Hill Road. Most of the eastern half of the area is obscured by extensive Quaternary glacials and alluvials. Owing to the lack of surface exposures, geological interpretation was supplemented by helimagnetic-radiometic data, and petrological/geochemical studies. Interpretive geology resulting from this work is shown in PLATE BL31.

A small amount of infill mapping was completed on new gridlines cut for the wacker sampling programme. In addition, previous mapping by Goldfields and Billiton has been compiled at 1:5000 scale. These revisions are shown in PLATE BL51. New data is discussed below in reference to wacker sampling results. A revised interpretive geological map, incorporating helimag/radiometric data and previous geophysical/geochemical surveys is not complete at the time of writing.

Western Volcano Sedimentary Sequence (WVSS)

WVSS exposures in the west of the prospect consist of massive to bedded feldspathic crystal-rich sandstones and black shales with low magnetic response. These are interpreted by Hutton (1989) as megaturbidite units derived from an andesitic source. Discrete quartz feldspar rhyolitic intrusives within the sequence have a higher magnetic response than the host sediments.

Anthony Road Andesite (ARA)

Outcrops of Anthony Road Andesite (ARA) are dominated by massive or in situ quench fragmented facies (hyaloclastite - pepperite). Examination of drill core (e.g. BL4-5) however, indicates that resedimented andesitic breccia to lapilli volcaniclastics form as much as 50% of the unit.

Coherent facies are commonly hornblende+feldspar±pyroxene phyric with accessory apatite in a glassy to holocrystalline matrix and can be separated into 2 magnetic types based on the presence/absence of titanomagnetite. Resorbed quartz phenocrysts occurs in places and evolved feldspar phyric dacite occurs towards the stratigraphic top. Petrographic grainsize variations in massive units indicate both extrusive and shallow intrusive rocktypes. Regional burial metamorphic assemblages include albite+sericite+leucoxene. Local hydrothermal alteration is evidenced by more intense groundmass sericite+calcite±disseminated pyrite and chlorite±epidote altered hornblende/pyroxene.

Discrete masses of titanomagnetite-bearing ARA are mappable against the uniformly poorly magnetic WVSS. These discrete masses include a large body of andesite at Leech Hill, a moderately magnetic body north of the Anthony Road (379000mE, 5355500mN)

and ARA stratigraphically at the base of the Tyndall Group. Contacts between ARA and WVSS form frequently sharp magnetic breaks interpreted as late stage faulting.

Lower Tyndall Group (LTG)

The Lower Tyndall Group (LTG) is exposed along the Anthony Road and in drill core at Basin Lake in the south-east of the prospect area. LTG units are described by Hutton (1989) as locally derived lapilli to breccia volcaniclastics containing andesitic to felsic debris. Epiclastic sandstone and black shale are evident in drill core but outcrop poorly. Black pyritic shale exposed in an old costean near 380600mE 5354800mN has a low magnetic response. This unit has been inferred from geophysical work to extend 1000m south as a non-magnetic, conductive zone beneath glacial cover. Other LTG units have a high amplitude magnetic signature with discontinuous strike extent.

Middle Tyndall Group (MTG)

The Middle Tyndall Group (MTG) outcrops sporadically along the HEC transmission line track in the east of the prospect. Outcrops consist of massive feldspar+quartz±magnetite bearing crystal-rich sandstones to polymict matrix-supported breccias with high magnetic susceptibilities. Pervasive to banded albite-chlorite±magnetite is a common alteration assemblage. The MTG forms a north-south striking magnetically continuous belt that overlies the more magnetically discontinuous and lithologically complex LTG. The MTG is faulted against younger Owen Conglomerate east of the prospect.

Structure

Helimag interpretation has revealed a complex structural architecture with several generations of faulting. Possible co-active Cambrian structures - inferred from alteration/ facies distribution - include the Pyrite Corner Fault and Leech Hill Structure (Sharpe 1994).

6. WACKER SAMPLING

6.1 Introduction

Previous geological interpretations of the Basin Lake prospect have been limited by extensive glacial cover and consequent lack of bedrock exposure, particularly over the regionally prospective Lower Tyndall Group. Soil sampling for geochemical target definition has also been ineffective owing to the mantle of transported (rather than residual) soils.

A bedrock 'wacker' sampling programme was conducted on 3 lines of the new Tyndall Creek grid and 19 new and recut lines of the Basin Lake grid. The aims of the programme were:

- to clarify the spatial distribution and lithology of Lower Tyndall Group units.
- to identify areas of hydrothermal alteration/mineralisation and anomalous geochemistry.

Sample locations are shown on PLATES BL35A and BL35B. Sample depths are shown on PLATES BL36A and BL36B. Successful bedrock penetration is shown in PLATE BL48. Statistics for the two wacker sampling programmes are as follows:

TYNDALL CREEK GRID		BASIN LAKE GRID	
PROPOSED SITES:	35	PROPOSED SITES:	465
SITES ABANDONED:	0	SITES ABANDONED:	228
SITES SAMPLED:	35	SITES SAMPLED:	237
OUTCROP:	1	OUTCROP:	9
DRILLED:	34	DRILLED:	226
BEDROCK:	15	BEDROCK:	156
COVER:	19	COVER:	97
GEOCHEMISTRY:	16	GEOCHEMISTRY:	169
TOTAL DEPTH:	151.3m	TOTAL DEPTH:	1280.7m
AVERAGE DEPTH:	4.3m	AVERAGE DEPTH:	4.9m
SUCCESS RATE:		**SUCCESS RATE:**	
PROPOSED SITES:	46%	PROPOSED SITES:	35%
SAMPLED SITES:	46%	SAMPLED SITES:	70%

In this assessment, the number of proposed sites is defined by a nominal 25m spacing on all proposed sampling gridlines. Abandoned sites are those where, during the course of the programme, a low probability of successful bedrock penetration became apparent and no sampling was attempted.

The low success rate on the Tyndall Creek grid is due to a horizon of tightly packed glacial siltstone west of the Anthony Road, which could not be penetrated. The large number of abandoned sites on the Basin Lake grid is due to an extensive mantle of thick (15-25m+) bouldery glacial deposits at the foot of the Tyndall Range towards the eastern half of the Basin Lake grid.

6.2 Geology

Where possible, rock chips have been recovered from bedrock samples and logged. In many cases, however, bedrock samples consist of highly weathered material which is unsuitable for lithological description. Sample geology/alteration is plotted in PLATE BL37 with abbreviations given in Appendix VII.

6.2.1 Lithotypes

Bedrock samples can be grouped into five lithotypes: hornblende andesites, locally altered andesitic crystal and lithic lapilli volcaniclastics, shales-siltstones, basaltic andesites and quartz-bearing rhyodacitic volcaniclastics.

Hornblende Andesites

Andesites occur in the west of the sampled area and are gray green medium to coarse-grained with abundant euhedral hornblende and feldspar phenocrysts in a granular felsic groundmass. They are typical of Anthony Andesite elsewhere in the Anthony Basin.

Andesitic volcaniclastics

Feldspar crystal-rich and lithic lapilli volcaniclastics form an elongate belt in the central part of the sampled area. Variations in crystal/lithic ratio and composition are evident but it is not possible to map out an internal stratigraphy. Weak pervasive sericite-chlorite alteration is common: areas of more intense alteration are discussed below.

Hornblende-feldspar andesites sampled within the volcaniclastic package may be true andesite lavas/intrusives or the clast component of redeposited andesitic breccias. This highlights a difficulty with the wacker method, in that it is not possible to discriminate clastic units coarser than the sample size (generally < 2-3cm).

Shales-siltstones

Prior to wacker sampling, 4 main areas of shale/siltstone had been inferred from drilling, costeaning, limited outcrop, IP/EM results and geomagnetic interpretation (PLATE BL31). This programme has confirmed 3 of these occurrences: in the vicinity of TYN3 and TYN5, north and south of TYN1, and north of the line 00S costean (Goldfields - 1978).

However, 3 lines across the helimag/IP-inferred north striking unit between 4000N and 4700N recovered andesitic volcaniclastics, basaltic andesites and quartz-feldspar crystal-rich sandstones.

Black pyritic shale has also been recovered on line 3800N - up dip from an interbedded shale-andesite intersection in BL4.

Basaltic Andesites

A distinctive basaltic andesite unit occurs **east** of the main Lower Tyndall Group volcaniclastic-shale sequence on lines 5000N, 4800N, 4400N, 4200N. The unit also crops out on a forested ridge adjacent to line 4000N, immediately west of the transmission line road. In hand specimen, the rock is dark green and fine grained with small sparse feldspar and pyroxene phenocrysts in a chloritic groundmass. Similar rocks occur, intercalated with black shales, in diamond drill hole BL4 to the south. Geochemical and petrographic work (in progress) indicate that these are high-P_2O_5 Suite III-type basalts unlike the hornblende-bearing Suite II Anthony Andesites (Jones 1995). In this respect, they may occupy a similar stratigraphic position to post-CVC shoshonitic basalts at Hellyer, Lynchford and Howards Plains.

Sericite-chlorite altered andesite outcrops on the BL4 drill track between 3800N and 4000N. The exposure has a strong WNW striking cleavage parallel to an inferred helimagnetic lineament which may be the faulted southern boundary of this unit.

Rhyodacitic Volcaniclastics

Quartz, feldspar, magnetite bearing crystal-rich volcaniclastic sandstones occur on the eastern end of lines 4400N, 5400N and 7000N and with interbedded shale on line 5600N. Both lithologically and stratigraphically, they correlate with the Middle Tyndall Group.

6.2.2 Alteration/Mineralisation

Most samples show some degree of sericite-chlorite alteration due to regional burial metamorphism. Two areas of more intense sericite+silica±pyrite hydrothermal alteration occur on line 4200N.

Andesites on the western end of line 4200N has strong to intense sericite-silica alteration with minor disseminated pyrite and chalcopyrite at 380225E. Alteration decreases in intensity to the east.

Sampling on the eastern end of 54200N (380675E) has delineated a zone of strongly sheared and sericite-silica-pyrite altered volcaniclastics at least 75m wide with a strike length of at least 25m. The eastern stratigraphic top of this zone could not be sampled through glacial cover.

A small (1x1x1.5m) pit has been excavated over the most pyritic wacker sample. The exposure consists of boudins of silicified weakly pyritic quartz-bearing volcaniclastic (5% Py) in a sheared pyrite-sericite matrix (15% Py) with 2cm bands of massive pyrite (80% Py). The unit is strongly sheared with a vertical cleavage striking NNW. Strongly sheared pervasive chlorite-sericite alteration lacking pyrite occurs along strike on line 4400N (380575E) but is concealed to the east by thick gravels. The southern strike extension on line 4000N is geochemically anomalous (see below) but deep weathering obscures the lithology. A small exposure in a creek at 4000N, 380700E consists of fine-medium grained volcaniclastics with strong red iron-staining possibly due to weathered disseminated pyrite.

6.3 Geochemistry

One hundred and eighty five wacker samples, comprising bedrock, weathered bedrock and some gravels/clays, were submitted for Cu, Pb, Zn, Ag, Au, Ba, As, Ti, Zr and P_2O_5 analysis. Five pyrite altered samples from the line 4200N pit were also submitted for assay. Results are tabulated in Appendices I-III and plotted in PLATES BL38A-46A.

Maximum values for the combined Tyndall Creek-Basin Lake surveys are as follows:

Cu	3379 ppm	(627322)
Pb	1184 ppm	(627819)
Zn	1589 ppm	(627024)
Ag	11 ppm	(627025)
Au	0.072 ppm	(627037)
Ba	7600 ppm	(627765)
As	2187 ppm	(627025)

Descriptive statistics have been calculated for the sample suite and used to develop a semi-quantitative scheme for ranking geochemical anomalism.

		Anomalism		
Element	**Median (ppm)**	**Low**	**Medium**	**High**
Cu	46	>100ppm	>300ppm	>500ppm
Pb	22	>100ppm	>500ppm	>1000ppm
Zn	103	>200ppm	>500ppm	>1000ppm
Ag	-	>2ppm	>10ppm	>25ppm
Au	-	>0.010ppm	>0.050ppm	>0.500ppm
Ba	1019	>2500ppm	>5000ppm	>7500ppm
As	8	>25ppm	>100ppm	>500ppm

Meaningful statistics cannot be calculated fro the small number of Ag and Au values above detection.

Altered andesite from line 4200N 380225E returned 0.34% Cu + 0.022 ppm Au. Step out and infill samples in this area returned values of 432 ppm and 164 ppm Cu.

A strongly pyritic (75% Py) pit sample returned a best assay of 13 ppm Ag, 0.044 ppm Au, 1063 ppm As, 374 ppm Cu, 1062 ppm Pb and 683 ppm Zn. Infill and step out sampling of this locality has defined a 50 x 75m zone of moderately anomalous Pb (up to 1063 ppm), Zn (up to 1246 ppm) and Ba (up to 7600 ppm) bedrock geochemistry with elevated Cu (374 max.), Ag (13 ppm max.), Au (0.068 ppm max.) and As (1063 ppm max.) values.

The geochemical anomaly extends SSE to the eastern end of line 4000N where four samples (380700-380775E) have maximum values (ppm) of Cu 155, Pb 914, Zn 941 and Ba 3320.

Four rock chip samples from infill grid mapping were also submitted for assay. Results are tabulated in Appendix IV and sample locations are plotted in PLATE BL51. A sample of iron-stained volcaniclastic (627630) immediately south of line 4000E has 155 ppm Cu, 697 ppm Pb and 656 ppm Zn.

6.4 Results

The Basin Lake - Tyndall Creek wacker sampling programme has delineated 6 areas of anomalous geochemistry and alteration which are discussed below. Anomalies 1 and 2 are shown in PLATE BL47.

Anomaly 1: 4000-4400N

Geology/Alteration:	sheared sericite-silica-pyrite altered volcaniclastics
Cu (ppm max.):	374
Pb (ppm max.):	1062
Zn (ppm max.):	1246
Ag (ppm max.):	13
Au (ppm max.):	0.068
Ba (ppm max.):	7600
As (ppm max.):	1063

Anomaly 1 is centred on an area of sericite-silica-pyrite alteration exposed in the 4200N pit. Sericitic alteration, lacking pyrite extends along strike to the north on line 4400N. Anomalous wacker geochemistry in the immediate vicinity of the pit extends SSE to the eastern end of line 4000N where rockchip samples also have elevated Pb and Zn. Previous A horizon soil geochemistry by Goldfields recorded weak Pb and Zn anomalies from the present 4400N to 4000N.

Previous geophysics detected a NNW trending line of sharp early time EM responses from 150m east of the 4200N pit north to the 00S costean, where black shale is exposed. Sampling across this trend did not intersect shale. A untested NNW trending 33ms IP chargeability high occurs immediately NNE of the 4200N pit.

The sheared sericite-pyrite alteration at this locality correlates with an interval of pyritic 'schist' in the Goldfields hole BL4. This horizon appears to be offset by a major WNW trending shear zone. The latter is evidenced by:

- WNW trending bedding in creek at 4000N 380700E
- strong WNW trending cleavage in altered andesite on BL4 drill track
- possible southern termination of basaltic andesite unit (see above)
- helimagnetic lineament

The western projection of this fault passes close to the Pyrite Corner Fault on the Anthony Road: a strongly pyritic shear zone near the WVSS/ARA contact. To the west, the fault is traceable as a prominent topographic break on the east side of the Henty Gorge. The Pyrite Corner Fault has previously been interpreted as a Cambrian co-active transfer (Sharpe 1994).

If this correlation is correct, the IP anomaly east of the 4200N pit may represent the northern extension of an 11m stratiform massive pyrite intersection in BL4.

The combination of pyritic alteration, anomalous geochemistry, favorable structure and a known exhalative horizon constitute a high priority target to be tested by diamond drilling. The target is defined as the intersection of the exhalative horizon with the WNW trending structure below 250m and extending down dip to the Great Lyell Fault. It is recognised that the target zone may extend east into the adjacent tenement EL14/93 (RGC).

Anomaly 2: 4200N west

Geology/Alteration:	sheared sericite-silica±pyrite altered hornblende andesites
Cu (ppm max.):	3379
Pb (ppm max.):	background (bg)
Zn (ppm max.):	bg
Ag (ppm max.):	4
Au (ppm max.):	0.022
Ba (ppm max.):	bg
As (ppm max.):	98

Sheared and sericite altered andesite at the western end of 4200N has patchy disseminated pyrite ± chalcopyrite with Cu values up to 3349 ppm. The anomaly can be traced to the NE as a belt of sporadic elevated Cu 2-3 times background for the Anthony

Andesite. A single Goldfields A horizon soil geochemical anomaly (275 ppm) lies in this belt.

Previous IP defined a chargeability high over the site of the 00S costean. The high has 2 arms: one trending on the regional NNW (due to black shale) and the other trending SW. The latter can be traced SW as two local chargeability peaks along the axis of the Cu anomalous zone. This anomaly is interpreted as due to variable footwall style sericitic alteration with local pyrite-chalcopyrite concentrations: the NW trend appears to crosscut the NNW trending ARA/LTG contact. It is interesting to note that highest Cu values occur proximal to the WNW trending fault trace.

This area has low follow up priority owing to the patchy nature and generally low tenor of the mineralisation, although the setting and style of alteration enhance the prospectivity of Anomaly 1.

Anomaly 3: 4800-5000N

Geology/Alteration: sheared shales/volcaniclastics in fault zone.
Cu (ppm max.): 220 (Goldfields C horizon soil geochemistry)
Pb (ppm max.): bg
Zn (ppm max.): 370
Ag (ppm max.): below detection (bd)
Au (ppm max.): 0.018
Ba (ppm max.): 3870
As (ppm max.): 73

Weak Zn anomaly also defined (with Cu) by Goldfields soil geochemistry - probably fault related. Tested by 1978 Goldfields costean on line 00S. Low priority - no follow up.

Anomaly 4: 5600-5800N

Geology/Alteration: shales/volcaniclastics
Cu (ppm max.): bg
Pb (ppm max.): 674
Zn (ppm max.): 1020
Ag (ppm max.): bd
Au (ppm max.): 0.018
Ba (ppm max.): 4110
As (ppm max.): bg

Defined by 7 elevated zinc values with sporadic Pb and Ba. Tested by diamond drill hole TYN4. Low priority - no follow up.

Anomaly 5: 6000N

Geology/Alteration: weathered hornblende andesites
Cu (ppm max.): bg
Pb (ppm max.): 316

Zn (ppm max.): 848
Ag (ppm max.): bd
Au (ppm max.): 0.010
Ba (ppm max.): 3540
As (ppm max.): 93

A weak Pb-Zn-Ba anomaly with elevated Ba values also in rock chips from this locality. Close to contact between andesite and overlying Lower Tyndall Group shales/volcaniclastics. Low priority - no follow up.

Anomaly 6: 6800N-600E(Tyndall Creek)

Geology/Alteration: crystal-rich andesitic volcaniclastic sandstone and mudstone/shale.
Cu (ppm max.): bg
Pb (ppm max.): 852
Zn (ppm max.): 1589
Ag (ppm max.): 11
Au (ppm max.): 0.027
Ba (ppm max.): 2120
As (ppm max.): 2187

This is defined by 3 above background Ag values (3, 7, 11ppm), high As and moderately anomalous Zn on Tyndall Creek grid line 600E. Lines 500E and 400E to the north west could not be sampled through tightly packed gravels. Elevated Ag (3ppm) and Zn (370ppm) occurs to the south east at the eastern end of Basin Lake line 6400N. This zone lies on the north eastern flank of a NNW trending and plunging IP anomaly (see below) ascribed to black shale intersected in TYN3. The area has been partially tested to the north by HA5 and to the south by TYN3, TYN4 and TYN5. TYN4 and TYN5, however, were not assayed and TYN3 was not assayed for Ag.

This anomaly has a medium priority and possible follow up work includes relogging and assaying TYN3-5 for Ag and further wacker sampling on lines 700-900E of the Tyndall Creek grid.

7. GEOPHYSICS

A review of geophysical work in the vicinity of Tyndall Creek concluded that previous surveys had not adequately tested this area.

7.1 Tyndall Creek IP

An IP survey was conducted on the Tyndall Creek grid in April 1994.

An effect was noted on lines 400E, 500E and 600E to the north of line 500N. To better define the response, the grid was extended by 3.4 line km and additional IP data collected on line extensions 900E to 400E. The extended survey defined a confined westerly plunging IP source within a broad chargeable unit bounded to the southwest by a resistive unit. The source is shallowest on line 700E between 250N and 300N where it is interpreted to be within 50m of the surface.

The IP response as defined by Aberfoyle had previously been delineated by RGC in 1975 and was later recognized by Billiton as the Basin Lake Pyrite Zone. Two diamond drill holes, TYN3 and TYN5, were put down to identify the source of the anomalous zone: no anomalous base metal values were recorded in either TYN3 or TYN5. Drilling results and exposure along the Anthony Road support the interpretation that the IP response is due to a package of folded pyritic gray siltstones and sandstones with interdigitating black shales.

No further IP work in this area is recommended.

Survey specifications, raw data pseudo-sections and a geophysical interpretation are presented in Appendix V.

7.2 Tyndall Creek EM

A single loop EM survey was also conducted on the Tyndall Creek grid. Initial attempts to survey with Aberfoyles Zonge equipment were unsuccessful owing to nearby high voltage transmission lines. A UTEM survey was completed by Lamontagne Geophysics in September 1994. Vertical component data was collected at an operating frequency of 26.29 Hz and a station spacing of 50m. There were no responses attributable to massive sulfide. Loop design and data profiles are presented in Appendix VI.

8. CONCLUSIONS AND RECOMMENDATIONS

Aberfoyles 1994-95 work programme on EL103/87 Basin Lake comprised gridding, EM and IP surveys, bedrock 'wacker' sampling/geochemistry and minor infill mapping/lithogeochemistry.

Geophysical surveys completed on the Tyndall Creek grid did not detect a response attributable to massive sulfide. A confined IP response in the south eastern corner of the grid is attributed to pyritic shales and volcaniclastics intersected in TYN3.

Wacker sampling on the Tyndall Creek grid and parts of the Basin Lake grid has clarified the distribution of Lower Tyndall Group units and identified a previously unrecognized area of pyritic alteration with anomalous geochemistry.

North north west trending sericite ± pyrite alteration with locally anomalous geochemistry has been exposed in a small pit at 4200N 380675E and can be traced 400m along strike to lines 4000N and 4400N. This alteration correlates with a Ag anomalous stratiform pyritic zone in DDH BL4 and is bisected by a WNW trending strike slip zone which outcrops on the Anthony Road as the Pyrite Corner Fault. A NE trending belt of elevated Cu geochemistry with localised sericite-pyrite alteration occurs in Anthony Andesite, stratigraphically below the alteration zone. This high priority area is recommended for deep drill testing below surface EM range. The down dip projection of the target zone may extend east into EL13/94 (RGC).

An area of elevated Ag-Zn-As geochemistry occurs south of Tyndall Creek. The southern strike extension has been intersected by DDH TYN5 which was not assayed. A medium priority follow up programme is proposed to clarify the extent of the Ag zone: this comprises relogging and assaying TYN3 and TYN5 for Ag and further wacker sampling.

9. REFERENCES

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APPENDIX I

Tyndall Creek
Wacker Sampling

	E.L. 5/85 Lake Margaret - Tyndall Creek Grid			
	Sample No.	Northing	Wt. to Lab (grams)	Depth
	LINE 600E			
	627015	800	100	4
	627017	750	146	4.8
	627018	725	85	3
	627020	675	85	5.8
	627021	650	89	4
	627024	575	83	2.7
	627025	550	97	5.8
	627026	525	246	6
	627027	500	204	4.9
	LINE 500E			
	627033	625	92	3
	627036	700	93	2.5
	627037	725	89	2
	627038	750	277	0

Tyndall Creek
Wacker Sampling

	Sample No.	Northing	Wt. to Lab (grams)	Depth
	LINE 400E			
	LINE 300E			
	627083	500	98	3.5
	627084	525	185	4
	627085	550	68	6.5

809029

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ANALYTICAL REPORT No. 100560.60.10105

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ORDER No.	PROJECT
7081	

DATE RECEIVED	RESULTS REQUIRED
25/03/94	ASAP

No. OF PAGES OF RESULTS	DATE REPORTED	No. OF COPIES	TOTAL No. OF SAMPLES
10	29/04/94	1	114

SAMPLE NUMBERS	SAMPLE DESCRIPTION	ELEMENT/METHOD
27001/012 & others	BP Prep : BP033 - CHROME FREE BOWLS	Cu.Pb.Zn.Ag/BA101 Au.Au(R).Au(S)/BB309 Ba.As.Cr.Zr.Ti.P2O5/BX401 Ba/BX406

RESULTS TO: Mr R de Bomford
Aberfoyle Resources Limited
Exploration Division
P.O. Box 952
BURNIE TAS 7320

RESULTS TO:

RESULTS TO:

REMARKS

N.B. UNABLE TO ANALYSE FOR Cr AND Ti ON SAMPLE 627044 DUE TO SPECTRAL INTERFERENCE FROM Ba

TYNDALL CREEK WACKER

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ANALYTICAL DATA

SAMPLE PREFIX	REPORT No.	REPORT DATE	CLIENT ORDER No.	PAGE
	100560.60.10105	28/04/94	7081	1 OF 10

	SAMPLE No.	Cu	Pb	Zn	Ag	Ag	Au	Au(R)	Au(S)	Ba
METHOD		GA101	GA101	GA101	GA101	GA104	GG309	GG309	GG309	GX401
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14	627015	8	11	79	<2	-	<0.008	-	-	176
15	627017	11	65	146	<2	-	<0.008	-	-	154
	627018	12	45	203	<2	-	<0.008	-	-	526
17	627020	19	17	119	<2	-	<0.008	-	-	2168
18	627021	31	127	116	<2	-	<0.008	-	-	874
19	627024	23	852	1589	3	-	<0.008	-	0.008	651
20	627025	53	279	276	11	-	<0.008	-	-	594
21	627026	79	17	306	<2	-	<0.008	-	-	407
22	627027	94	187	159	7	-	<0.008	<0.008	-	1372
23	627033	9	7	45	<2	-	<0.008	-	<0.008	502
24	627036	10	8	81	<2	-	<0.008	-	-	524
25	627037	34	<5	99	<2	-	0.072	-	-	205

Results in ppm unless otherwise specified
- = element not determined

IS = insufficient sample
SNR = sample not received

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ANALYTICAL DATA

SAMPLE PREFIX	REPORT No.	REPORT DATE	CLIENT ORDER No.	PAGE
	100560.60.10105	28/04/94	7081	2 OF 10

	SAMPLE No.	Cu	Pb	Zn	Ag	Ag	Au	Au(R)	Au(S)	Ba
METHOD		GA101	GA101	GA101	GA101	GA104	GG309	GG309	GG309	GX401
1	627038	10	41	101	<2	-	0.015	-	-	677
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

Results in ppm unless otherwise specified
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ANALYTICAL DATA

SAMPLE PREFIX	REPORT No.	REPORT DATE	CLIENT ORDER No.	PAGE
	100560.60.10105	28/04/94	7081	3 OF 10

	SAMPLE No.	Cu	Pb	Zn	Ag	Ag	Au	Au(R)	Au(S)	Ba
METHOD		GA101	GA101	GA101	GA101	GA104	GG309	GG309	GG309	GX401
1										
2										
3										
4	627083	79	9	60	<2	-	<0.008	-	-	817
5	627084	35	<5	55	<2	-	<0.008	-	-	994
6	627085	41	<5	49	<2	-	<0.008	-	-	1445
7										
8										
9										
10										
11										
12										
13										
14										
15										
17										
18										
19										
20										
21										
22										
23										
24										
25										

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ANALYTICAL DATA

SAMPLE PREFIX	REPORT No.	REPORT DATE	CLIENT ORDER No.	PAGE
	100560.60.10105	29/04/94	7081	6 OF 10

	SAMPLE No.	Ba	As	Cr	Zr	Ti	P205			
METHOD		OX406	GX401	GX401	GX401	GX401	GX401			
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14	627015	-	<2	46	254	2214	0.102			
15	627017	-	8	19	147	5038	0.112			
16	627018	-	4	18	162	6768	0.148			
17	627020	-	2	66	181	3181	0.287			
18	627021	-	12	47	211	3881	0.247			
19	627024	-	4	54	175	1878	0.012			
20	627025	-	2187	64	164	2211	0.027			
21	627026	-	12	88	269	5522	0.087			
22	627027	-	76	36	190	4849	0.040			
23	627033	-	5	18	148	962	0.016			
24	627036	-	<2	23	206	9680	0.125			
25	627037	-	<2	64	181	6698	0.124			

Results in ppm unless otherwise specified
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ANALYTICAL DATA

SAMPLE PREFIX	REPORT No.	REPORT DATE	CLIENT ORDER No.	PAGE
	100560.60.10105	29/04/94	7081	7 OF 10

	SAMPLE No.	Ba	As	Cr	Zr	Ti	P2O5			
METHOD		GX406	GX401	GX401	GX401	GX401	GX401			
1	627038	-	7	23	147	7025	0.076			
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

Results in ppm unless otherwise specified
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ANALYTICAL DATA

SAMPLE PREFIX	REPORT No.	REPORT DATE	CLIENT ORDER No.	PAGE
	100560.60.10105	29/04/94	7081	8 OF 10

	SAMPLE No.	Ba	As	Cr	Zr	Ti	P2O5			
METHOD		OX406	GX401	GX401	GX401	GX401	GX401			
1										
2										
3										
4	627083	-	12	61	179	3018	0.329			
5	627084	-	3	63	192	2866	0.379			
6	627085	-	<2	54	214	2378	0.290			
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

Results in ppm unless otherwise specified
- = element not determined

IS = Insufficient sample
SNR = sample not received

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APPENDIX II

ABERFOYLE EXPLORATION

GEOCHEMICAL SAMPLE LEDGER

LICENCE EL103/87

NAME Basin Lake

DATE 7/12/1994

DESCRIPTION

Basin Lake Wacker

TOTAL 90 samples

NOTES P reported as P2O5(%)
Cr-free bowls

ANALYSES REQUIRED

ELEMENT	METHOD
Cu	GA101
Pb	GA101
Zn	GA101
Ag	GA101
Au	GG309
Ba	~~GX104~~ 401
As	GX401
Ti	GX401
Zr	GX401
P2O5	GX401

809037

AMG EAST	AMG NORTH	SAMPLE#	GEOLOGY
380200	5354000	627332	Fd Hb p A l
380475	5354200	627251	yw bn wth Hb p A
380725	5354200	627740	gravel
380750	5354200	627741	wh cy
380200	5354212.5	627752	gravel
380625	5354800	627793	yw sandy cy
380650	5354800	627794	yw sandy cy
380675	5354800	627795	yw sandy cy
380725	5355000	627813	yw bn sandy cy
380750	5355000	627814	pl yw cy
380775	5355000	627815	pl yw cy
380825	5354000	627730	Fd Hb p A l
380500	5353200	627701	gn gy Fd brg lv
380525	5353200	627702	gn pk Ab (pk) alt Fd Hb p A vicl
380500	5353400	627704	pl gn Se Cl alt Fd ?Hb p A
380525	5353400	627705	gn gy wth Fd p A l-vicl
380575	5353400	627707	gn pk Fd Hb p A l-vicl
380550	5353600	627713	Fd Hb brg A lv
380550	5353800	627718	shd gy gn Fd ?Px p A l
380575	5353800	627719	bk Sh
380600	5353800	627720	bk Sh
380600	5354000	627726	pl gy wk Ser alt Fd Hb p A l dis Py
380650	5354000	627728	pl gy gn Fd Hb p A l
380200	5354187.5	627744	pl gn shd Ser alt Fd p A l
380212.5	5354187.5	627745	shd pl gy med Ser alt ?A l
380225	5354187.5	627746	shd gy wk Ser alt Fd brg A vicl
380237.5	5354187.5	627747	shd gn Cl alt Fd p A l
380212.5	5354200	627748	shd gn Cl alt A vicl
380224	5354200	627749	shd wh-gy Ser HA
380225	5354200	627750	gy wh sil? dis Py + mnr Cpy
380237.5	5354200	627751	shd Ser alt A vicl
380550	5354200	627733	fg Fd brg A vicl
380575	5354200	627734	gy gn Fd brg A vicl
380600	5354200	627735	shd gy gn Cl alt A vicl
380625	5354200	627736	gn gy pp shd bnd Cl Ser ?Hmt HA
380650	5354200	627737	shd gy-gn Fd brg A vicl
380675	5354200	627738	shd gn yw Ser HA semi-mas Py (30%)
380700	5354200	627739	shd gy Ser alt dis Py (5%)
380225	5354212.5	627753	shd gy gn A vicl
380650	5354400	627779	gn Fd brg vicl
380700	5354400	627781	Fd Hb p vicl
380800	5354400	627784	v wth Fd brg ?
380825	5354400	627785	shd Fd Q vicl

809038

AMG EAST	AMG NORTH	SAMPLE#	GEOLOGY
380400	5354400	627769	wth bn gn Fd brg vicl
380425	5354400	627770	wth bn vicl
380450	5354400	627771	gy gn Fd Hb p A l
380475	5354400	627772	yw bn wth Fd p ?
380500	5354400	627773	dk gn Fd Hb p A l
380525	5354400	627774	wth Fd Hb p A l
380550	5354400	627775	shd wth Ser Cl HA
380575	5354400	627776	shd wth Ser Cl HA
380650	5354187.5	627759	dk gn mas pk Fd brg vicl
380675	5354187.5	627760	gy gn shd Ser alt dis Py (10%)
380687.5	5354187.5	627761	gy gn shd Fd brg vicl dis Py (5%)
380700	5354187.5	627762	gy Ser HA dis Py (8%)
380662.5	5354200	627763	wk Sil Ser alt Fd Q brg vicl
380687.5	5354200	627764	gn shd Q Fd brg vicl
380662.5	5354212.5	627765	wh wth shd Ser HA
380675	5354212.5	627766	pl gy shd Ser HA dis Py (5%)
380687.5	5354212.5	627767	wth shd Ser HA dis Py (8%)
380700	5354212.5	627768	wth Ser HA dis Py (3%)
380525	5354800	627789	pl gy Fd brg f lv
380575	5354800	627791	bk Sh dis Py (3%)
380600	5354800	627792	gy Sh
380500	5354800	627788	pl gy Fd brg f lv
380875	5355000	627818	Fd Hb p A l
380900	5355000	627819	dk gn Hb p B-A l-b
380925	5355000	627820	FeOx Fd p A l
380700	5355200	627826	gn Fd brg A vicl
380725	5354800	627797	bk sil Sh dis Py (3%)
380500	5355000	627804	wth A vicl?
380525	5355000	627805	wth A vicl?
380550	5355000	627806	wth A vicl?
380600	5355000	627808	wth A vicl?
380625	5355000	627809	shd Fd brg lh lv
380650	5355000	627810	shd gn gy Fd brg f lv
380675	5355000	627811	pl bl gy shd Sil ?Ba alt dis Py (3%)
380700	5355000	627812	shd bl gy ?vicl
380775	5354800	627799	dk gy gn Fd brg lv
380850	5354800	627802	shd dk gn A lh vicl
380875	5354800	627803	shd pp Hmt? Fd brg lv
380775	5356000	627830	dk gn shd Cl alt A ?l
380580	5356200	627832	wth A vicl
380620	5356200	627833	dk gn Fd Hb p A l
380850	5356400	627839	dk gn Cl alt lv
380925	5356800	627842	wth pl gn Fd brg vicl
380950	5356800	627843	wth shd bn Mst
380975	5356800	627844	wth vicl
380975	5357000	627846	gn pk Fd xr f lv
381000	5357000	627847	gn Fd Q f lv

Analabs
****

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803039

ANALYTICAL REPORT No. 100560.60.10600

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ORDER No.	PROJECT
7434	

DATE RECEIVED	RESULTS REQUIRED
13/12/94	ASAP

No. OF PAGES OF RESULTS	DATE REPORTED	No. OF COPIES
8	29/12/94	1

TOTAL No. OF SAMPLES: 90

SAMPLE NUMBERS	SAMPLE DESCRIPTION	ELEMENT/METHOD
VARIOUS	3R Prep : GP032/GP033 CHROME FREE BOWL	Cu.Pb.Zn.Ag/GA101 Au.Au(R)/GG309 Ba.As.Zr.Ti.P2O5/GX401

RESULTS TO
Mr K de Montford
Aberfoyle Resources Limited
Exploration Division
P.O. Box 952
BURNIE TAS 7320

RESULTS TO

RESULTS TO

REMARKS

BSL WACKER

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809040

ANALYTICAL DATA

SAMPLE PREFIX	REPORT No.	REPORT DATE	CLIENT ORDER No.	PAGE
	100560.60.10600	29/12/94	7434	1 OF 8

	SAMPLE No.	Cu	Pb	Zn	Ag	Au	Au(R)	Ba	As	Zr
METHOD		GA101	GA101	GA101	GA101	GG309	GG309	GX401	GX401	GX401
1	627251	53	<5	67	<2	<0.008	-	363	9	174
2	627332	94	74	211	<2	<0.008	-	1454	7	209
3	627701	46	87	276	<2	<0.008	-	752	12	330
4	627702	34	42	164	<2	<0.008	-	1794	9	167
5	627704	38	15	152	<2	<0.008	-	1675	7	193
6	627705	64	12	146	<2	<0.008	-	1019	<2	202
7	627707	57	76	182	<2	<0.008	-	2216	34	170
8	627713	105	47	121	<2	<0.008	-	1376	23	190
9	627718	80	<5	168	<2	<0.008	-	2791	18	219
10	627719	62	40	130	<2	<0.008	-	1365	26	160
11	627720	54	72	202	<2	<0.008	-	1384	24	157
12	627726	31	33	93	<2	<0.008	<0.008	817	74	153
13	627728	29	15	153	<2	<0.008	-	878	17	68
14	627730	22	<5	121	<2	<0.008	-	535	13	237
15	627733	57	12	95	<2	<0.008	-	504	<2	148
	627734	25	35	86	<2	<0.008	-	1189	<2	161
17	627735	16	<5	85	<2	<0.008	-	548	<2	174
18	627736	45	101	123	<2	<0.008	-	774	4	178
19	627737	38	85	142	<2	<0.008	-	1369	5	183
20	627738	100	331	316	4	<0.008	-	2930	68	169
21	627739	100	490	1246	2	0.068	-	1828	12	181
22	627740	16	30	33	<2	<0.008	<0.008	1473	<2	243
23	627741	5	13	26	<2	<0.008	-	3173	<2	226
24	627744	35	22	107	<2	<0.008	-	895	5	181
25	627745	432	24	82	<2	<0.008	-	560	6	159

Results in ppm unless otherwise specified
- = element not determined

IS = insufficient sample
SNR = sample not received

AUTHORISED OFFICER

Analabs

Analabs Pty. Ltd.
A.C.N. 004 591 664

809041

ANALYTICAL DATA

SAMPLE PREFIX	REPORT No.	REPORT DATE	CLIENT ORDER No.	PAGE
	100560.60.10600	29/12/94	7434	2 OF 8

	SAMPLE No.	Cu	Pb	Zn	Ag	Au	Au(R)	Ba	As	Zr
METHOD		GA101	GA101	GA101	GA101	GG309	GG309	GX401	GX401	GX401
1	627746	25	7	93	<2	<0.008	-	733	<2	154
2	627747	29	12	86	<2	<0.008	-	720	<2	141
3	627748	9	7	109	<2	<0.008	-	1390	<2	186
4	627749	64	<5	43	<2	<0.008	-	620	10	158
5	627750	2016	35	60	<2	0.014	-	640	10	182
6	627751	60	<5	67	<2	<0.008	-	660	11	158
7	627752	73	17	71	<2	<0.008	-	625	9	176
8	627753	20	7	117	<2	<0.008	-	1570	<2	234
9	627759	15	<5	52	<2	<0.008	-	860	<2	159
10	627760	89	293	163	<2	<0.008	-	3830	39	180
11	627761	55	42	69	<2	<0.008	-	860	14	133
12	627762	78	46	119	<2	<0.008	<0.008	1280	22	196
13	627763	34	165	430	<2	<0.008	-	2560	4	201
14	627764	37	70	166	<2	<0.008	-	1380	9	178
15	627765	16	48	33	<2	<0.008	-	7600	6	199
	627766	8	385	134	<2	<0.008	-	5400	<2	202
17	627767	50	109	407	<2	<0.008	-	3270	52	202
18	627768	197	94	71	<2	<0.008	-	2560	5	170
19	627769	141	27	137	<2	<0.008	-	530	5	202
20	627770	72	10	144	<2	<0.008	-	1160	98	168
21	627771	51	17	69	<2	<0.008	-	500	<2	255
22	627772	109	95	94	<2	<0.008	<0.008	330	7	224
23	627773	141	35	69	<2	<0.008	-	750	<2	220
24	627774	50	33	78	<2	<0.008	-	830	14	217
25	627775	19	10	59	<2	<0.008	-	840	5	170

Results in ppm unless otherwise specified
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809042

ANALYTICAL DATA

SAMPLE PREFIX	REPORT No.	REPORT DATE	CLIENT ORDER No.	PAGE
	100560.60.10600	29/12/94	7434	3 OF 8

	SAMPLE No.	Cu	Pb	Zn	Ag	Au	Au(R)	Ba	As	Zr
METHOD		GA101	GA101	GA101	GA101	GG309	GG309	GX401	GX401	GX401
1	627776	19	<5	71	<2	<0.008	-	1020	4	174
2	627779	20	<5	47	<2	<0.008	-	400	4	154
3	627781	40	47	157	<2	<0.008	-	1030	<2	179
4	627784	76	30	81	<2	<0.008	-	750	10	175
5	627785	34	<5	92	<2	<0.008	-	3195	6	192
6	627788	81	<5	52	<2	<0.008	-	240	4	149
7	627789	95	9	85	<2	<0.008	-	1550	7	208
8	627791	91	25	370	<2	<0.008	-	3870	41	160
9	627792	25	27	40	<2	<0.008	-	1855	10	187
10	627793	54	66	171	<2	<0.008	-	1190	31	223
11	627794	94	13	208	<2	<0.008	-	1460	<2	211
12	627795	37	6	159	<2	<0.008	<0.008	1385	47	213
13	627797	56	49	65	<2	<0.008	-	1025	18	142
14	627799	48	53	427	<2	<0.008	-	560	<2	177
15	627802	62	87	113	<2	<0.008	-	640	10	190
	627803	69	30	101	<2	<0.008	-	1190	7	179
17	627804	40	26	69	<2	<0.008	-	1090	<2	191
18	627805	29	20	61	<2	<0.008	-	1450	<2	193
19	627806	51	24	111	<2	<0.008	-	850	<2	196
20	627808	45	25	103	<2	0.018	-	1050	73	152
21	627809	55	19	107	<2	<0.008	-	990	8	168
22	627810	35	15	56	<2	<0.008	<0.008	1480	<2	177
23	627811	23	955	108	<2	<0.008	-	2109	22	97
24	627812	68	21	90	<2	<0.008	-	1470	5	187
25	627813	80	21	154	<2	<0.008	-	1090	<2	187

Results in ppm unless otherwise specified
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809043

ANALYTICAL DATA

SAMPLE PREFIX	REPORT No.	REPORT DATE	CLIENT ORDER No.	PAGE
	100560.60.10600	29/12/94	7434	4 OF 8

	SAMPLE No.	Cu	Pb	Zn	Ag	Au	Au(R)	Ba	As	Zr
METHOD		GA101	GA101	GA101	GA101	GG309	GG309	GX401	GX401	GX401
1	627814	30	25	95	<2	<0.008	-	572	9	296
2	627815	61	11	96	<2	<0.008	-	1020	25	151
3	627818	89	10	136	<2	<0.008	-	1730	<2	263
4	627819	33	1184	459	<2	<0.008	-	550	318	196
5	627820	27	24	51	<2	<0.008	-	109	9	143
6	627826	36	31	124	<2	<0.008	-	1420	5	182
7	627830	56	44	155	<2	<0.008	-	627	4	154
8	627832	62	196	848	<2	0.010	-	1090	<2	227
9	627833	65	316	273	<2	<0.008	-	1120	<2	297
10	627839	18	44	370	3	<0.008	-	720	<2	214
11	627842	6	<5	53	<2	0.027	-	600	47	147
12	627843	13	39	330	<2	<0.008	<0.008	2120	188	275
13	627844	4	<5	115	<2	0.012	-	500	<2	100
14	627846	12	25	345	<2	<0.008	-	280	4	239
15	627847	22	7	150	<2	<0.008	-	335	13	257
)										
17										
18										
19										
20										
21										
22										
23										
24	DETECTION	4	5	4	2	0.008	0.008	10	2	5
25	UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

sults in ppm unless otherwise specified
element not determined

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809044

ANALYTICAL DATA

SAMPLE PREFIX	REPORT No.	REPORT DATE	CLIENT ORDER No.	PAGE
	100560.60.10600	29/12/94	7434	5 OF 8

	SAMPLE No.	Ti	P2O5							
METHOD		GX401	GX401							
1	627251	3276	0.228							
2	627332	3197	0.221							
3	627701	4203	0.618							
4	627702	2840	0.240							
5	627704	2810	0.235							
6	627705	2550	0.361							
7	627707	2892	0.257							
8	627713	3119	0.137							
9	627718	3994	0.751							
10	627719	2477	0.229							
11	627720	2236	0.296							
12	627726	2120	0.234							
13	627728	2328	0.234							
14	627730	4103	0.316							
15	627733	2746	0.200							
	627734	2508	0.105							
17	627735	2612	0.070							
18	627736	2934	0.190							
19	627737	2861	0.234							
20	627738	2293	0.061							
21	627739	2713	0.055							
22	627740	2818	0.051							
23	627741	3511	0.019							
24	627744	2494	0.148							
25	627745	2447	0.159							

Results in ppm unless otherwise specified
= element not determined

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809045

ANALYTICAL DATA

SAMPLE PREFIX	REPORT No.	REPORT DATE	CLIENT ORDER No.	PAGE
	100560.60.10600	29/12/94	7434	6 OF 8

	SAMPLE No.	Ti	P205							
METHOD		GX401	GX401							
1	627746	2248	0.086							
2	627747	2048	0.142							
3	627748	3327	0.327							
4	627749	2404	0.165							
5	627750	2506	0.230							
6	627751	2313	0.245							
7	627752	2294	0.264							
8	627753	4379	0.333							
9	627759	2368	0.104							
10	627760	2388	0.028							
11	627761	1903	0.107							
12	627762	2764	0.022							
13	627763	2709	0.142							
14	627764	2521	0.175							
15	627765	2838	0.031							
	627766	2729	0.041							
17	627767	2632	0.062							
18	627768	2755	0.012							
19	627769	4768	0.621							
20	627770	3802	0.249							
21	627771	4217	0.161							
22	627772	3913	0.173							
23	627773	3588	0.218							
24	627774	2815	0.205							
25	627775	2570	0.138							

Results in ppm unless otherwise specified
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A.C.N. 004 591 66

809046

ANALYTICAL DATA

SAMPLE PREFIX	REPORT No.	REPORT DATE	CLIENT ORDER No.	PAGE
	100560.60.10600	29/12/94	7434	7 OF 8

	SAMPLE No.	Ti	P205							
METHOD		GX401	GX401							
1	627776	2414	0.240							
2	627779	1268	0.105							
3	627781	2515	0.264							
4	627784	2845	0.248							
5	627785	2840	0.197							
6	627788	2689	0.214							
7	627789	3984	0.479							
8	627791	2898	0.197							
9	627792	3688	0.219							
10	627793	3824	0.240							
11	627794	4452	0.242							
12	627795	3521	0.240							
13	627797	1945	0.268							
14	627799	2636	0.323							
15	627802	3160	0.323							
	627803	3332	0.268							
17	627804	2617	0.115							
18	627805	2528	0.132							
19	627806	2432	0.232							
20	627808	3189	0.253							
21	627809	2754	0.328							
22	627810	2522	0.174							
23	627811	1386	0.068							
24	627812	3033	0.362							
25	627813	3801	0.340							

Results in ppm unless otherwise specified
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809047

ANALYTICAL DATA

SAMPLE PREFIX	REPORT No.	REPORT DATE	CLIENT ORDER No.	PAGE
	100560.60.10600	29/12/94	7434	8 OF 8

	SAMPLE No.	Ti	P2O5							
METHOD		GX401	GX401							
1	627814	2321	0.129							
2	627815	3040	0.159							
3	627818	3947	0.735							
4	627819	3612	0.211							
5	627820	2936	0.123							
6	627826	2145	0.241							
7	627830	2834	0.238							
8	627832	3142	0.366							
9	627833	3585	0.579							
10	627839	2960	0.062							
11	627842	1010	0.019							
12	627843	2053	0.032							
13	627844	619	0.107							
14	627846	6662	0.113							
15	627847	5494	0.238							
17										
18										
19										
20										
21										
22										
23										
24	DETECTION	50	0.007							
25	UNITS	ppm	%							

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ABERFOYLE EXPLORATION **GEOCHEMICAL SAMPLE LEDGER**

LICENCE EL103/87
NAME BASIN LAKE

DESCRIPTION

WACKER GEOCHEM SAMPLES

ANALYSES REQUIRED

ELEMENT	METHOD
Cu	101
Pb	101
Zn	101
Ag	101
Au	309
Ba	401
As	401
Cr	401
Zr	401
Ti	401
P	401

TOTAL 61 samples
NOTES Analysis of P reported as P2O5

LINE	EASTING	NORTHINGS	SAMPLE NUMBER	GEOLOGICAL LOG
54000N	80200	54000	627332	Fd Hb p A I
	80225	54000	627333	Fd Hb p A I
	80250	54000	627334	Fd p vlcl
	80275	54000	627335	yw bn wth ?A
	80300	54000	627336	yw bn wth ?A
	80325	54000	627337	yw bn ?
	80350	54000	627338	Fd Hb p A I
	80375	54000	627339	Fd Hb p A I
	80400	54000	627340	Fd Hb p A I
	80475	54000	627343	wh cy ?Mst
	80500	54000	627344	wth Fd vlcl
	80525	54000	627345	wth Fd vlcl
	80600	54000	627347	Fd p ?A
	80700	54000	627350	Fd vlcl
	80725	54000	627351	wh cy
	80750	54000	627352	rd wth sil ?
	80775	54000	627353	wth Fd p ?

LINE	EASTING	NORTHINGS	SAMPLE NUMBER	GEOLOGICAL LOG
	80800	54000	627354	Fd Hb p A
54200N	80200	54200	627321	wth ?A
	80225	54200	627322	gy wh sil? dis Py
	80250	54200	627323	sil alt? A
	80275	54200	627324	gy pp wh bnd sil ?
	80300	54200	627325	pl gy Fd Hb p A I
	80325	54200	627326	pk alt Hd p A
	80350	54200	627327	gy wh shd ?
	80375	54200	627328	fg vlcl
	80400	54200	627329	gy Sh + Slt
	80425	54200	627330	fg Fd p vlcl
	80450	54200	627331	wth Fd Hb p A
	80475	54200	627332	yw bn wth Hb p A
55200N	80800	55200	627315	gy gn Fd Hb p A
	80825	55200	627316	gy gn fg Fd Hb p vlcl
	80850	55200	627317	pk gn fg Fd x vlcl
	80875	55200	627318	gy gn Fd Hb p A
	80900	55200	627319	wth A
	80925	55200	627320	gy gn cy
55400N	80700	55400	627301	gy gn Fd Hb p A I
	80750	55400	627303	wth Hb p A
	80775	55400	627304	Fd Hb p A ?bv with pk Fd and sil? vn
	80800	55400	627305	Fd Hb p A bv with pk Fd
	80825	55400	627306	gy gn Fd p D I
	80875	55400	627308	gn gy Sh with pk Fd
	80900	55400	627309	gn gy mtx sup Fd p lv
	80925	55400	627310	gy gn Fd p fg vlcl
	80975	55400	627312	Q Fd x-rich vlcl Ss
55600N	80700	55600	627612	fresh A I
	80725	55600	627613	wth A
	80750	55600	627614	fresh A I
	80775	55600	627615	dk gn Fd Hb p A I
	80825	55600	627617	lam Slt
	80850	55600	627619	cht alt Fd Hb Q x-vlcl Sst
	80875	55600	627618	cht alt Q Fd x-vlcl Sst
	80900	55600	627620	gy bn lam Sh

LINE	EASTING	NORTHINGS	SAMPLE NUMBER	GEOLOGICAL LOG
	80925	55600	627621	Fd Q x-vlcl Sst
56000N	80500	56000	627608	wth A + gravel
	80525	56000	627607	wth A + gravel
	80550	56000	627606	Fd p ?vlcl
	80575	56000	627605	wth A + gravel
	80600	56000	627604	wth A + gravel
	80625	56000	627603	wth A
	80650	56000	627626	gy Sh with Fd x

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Phone (004) 316837

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809051

ANALYTICAL REPORT No. 100560.60.10467

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

INVOICE TO:
Aberfoyle Resources Limited
Exploration Division
P.O. Box 952
BURNIE TAS 7320

ORDER No.	PROJECT
6500	

DATE RECEIVED	RESULTS REQUIRED
13/10/94	ASAP

No. OF PAGES OF RESULTS	DATE REPORTED	No. OF COPIES
6	03/11/94	1

TOTAL No. OF SAMPLES: 61

SAMPLE NUMBERS	SAMPLE DESCRIPTION	ELEMENT/METHOD
VARIOUS	GR Prep : GF031/GP033 CHROME FREE BOWL	Cu,Pb,Zn,Ag/GA101 Au,Au(R)/GG309 Ba,As,Cr,Zr,Ti,P2O5/GX401

REMARKS

RESULTS TO
Mr R de Bomford
Aberfoyle Resources Limited
Exploration Division
P.O. Box 952
BURNIE TAS 7320

RESULTS TO

RESULTS TO

AUTHORISED OFFICER

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Analabs Pty. Ltd.
A.C.N. 004 591 664

ANALYTICAL DATA

809052

SAMPLE PREFIX	REPORT No.	REPORT DATE	CLIENT ORDER No.	PAGE
	100560.60.10467	03/11/94	6500	1 OF 6

	SAMPLE No.	Cu	Pb	Zn	Ag	Au	Au(R)	Ba	As	Cr
METHOD		GA101	GA101	GA101	GA101	GG309	GG309	GX401	GX401	GX401
1	627301	33	37	197	<2	<0.008	-	1650	11	39
2	627303	88	198	251	<2	<0.008	-	1100	4	34
3	627304	13	12	131	<2	<0.008	-	2000	10	34
4	627305	14	<5	48	<2	<0.008	-	955	8	35
5	627306	47	48	107	<2	0.014	-	2790	16	22
6	627308	40	12	96	<2	<0.008	-	1830	11	36
7	627309	95	7	92	<2	<0.008	-	2750	10	29
8	627310	25	17	61	<2	<0.008	-	480	11	106
9	627312	16	17	54	<2	<0.008	-	670	14	17
10	627315	23	22	108	<2	<0.008	-	2020	9	80
11	627316	25	35	75	<2	<0.008	-	1650	9	54
12	627317	166	32	65	<2	<0.008	<0.008	285	8	118
13	627318	44	12	120	<2	<0.008	-	2140	9	115
14	627319	95	20	182	<2	<0.008	-	980	19	244
15	627320	53	42	100	<2	<0.008	-	1100	6	79
	627321	51	6	103	<2	<0.008	-	1090	4	58
17	627322	3379	56	59	4	0.022	-	520	15	69
18	627323	32	14	64	<2	<0.008	-	595	6	56
19	627324	164	15	83	<2	<0.008	-	585	5	66
20	627325	56	28	72	<2	<0.008	-	470	3	74
21	627326	27	58	84	<2	<0.008	-	1090	6	30
22	627327	15	13	80	<2	<0.008	<0.008	605	3	61
23	627328	31	22	77	<2	<0.008	-	640	2	63
24	627329	21	17	90	<2	<0.008	-	915	3	57
25	627330	78	9	92	<2	<0.008	-	750	3	64

Results in ppm unless otherwise specified
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Analabs Pty. Ltd.
A.C.N. 004 591 664

809053

ANALYTICAL DATA

SAMPLE PREFIX	REPORT No.	REPORT DATE	CLIENT ORDER No.	PAGE
	100560.60.10467	03/11/94	6500	2 OF 6

	SAMPLE No.	Cu	Pb	Zn	Ag	Au	Au(R)	Ba	As	Cr
METHOD		GA101	GA101	GA101	GA101	GG309	GG309	GX401	GX401	GX401
1	627331	65	12	49	<2	<0.008	-	885	7	97
2	627332	56	6	56	<2	<0.008	-	360	4	85
3	627332A	92	84	189	<2	<0.008	-	1360	6	80
4	627333	38	16	214	<2	<0.008	-	1040	3	80
5	627334	15	99	206	<2	<0.008	-	1000	<2	72
6	627335	65	92	194	<2	<0.008	-	1200	2	77
7	627336	46	43	107	<2	<0.008	-	280	19	83
8	627337	68	<5	28	<2	<0.008	-	250	8	86
9	627338	21	10	45	<2	<0.008	-	1150	6	71
10	627339	43	10	45	<2	<0.008	-	990	3	72
11	627340	122	9	47	<2	<0.008	-	365	32	184
12	627343	49	211	38	<2	<0.008	<0.008	1960	40	77
13	627344	61	9	188	<2	<0.008	-	1880	31	74
14	627345	55	7	150	<2	<0.008	-	3590	32	79
15	627347	30	24	55	<2	<0.008	-	745	22	34
	627350	29	190	604	<2	<0.008	-	955	9	23
17	627351	13	229	18	<2	<0.008	-	2600	<2	16
18	627352	83	914	319	<2	<0.008	-	3320	<2	101
19	627353	75	48	941	<2	<0.008	-	2030	22	144
20	627354	137	21	243	<2	<0.008	-	975	10	58
21	627603	26	159	410	<2	<0.008	-	1500	5	34
22	627604	21	85	16	<2	<0.008	<0.008	3190	23	50
23	627605	72	112	64	<2	<0.008	-	3540	93	50
24	627606	50	20	116	<2	<0.008	-	2660	15	40
25	627607	67	6	138	<2	<0.008	-	1450	8	43

esults in ppm unless otherwise specified
= element not determined

IS = insufficient sample
SNR = sample not received

AUTHORISED OFFICER

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Analabs Pty. Ltd.
A.C.N. 004 591 664

809054

ANALYTICAL DATA

SAMPLE PREFIX	REPORT No.	REPORT DATE	CLIENT ORDER No.	PAGE
	100560.60.10467	03/11/94	6500	3 OF 6

	SAMPLE No.	Cu	Pb	Zn	Ag	Au	Au(R)	Ba	As	Cr
METHOD		GA101	GA101	GA101	GA101	GG309	GG309	GX401	GX401	GX401
1	627608	6	9	13	<2	<0.008	-	191	<2	35
2	627612	125	63	63	<2	0.014	-	655	17	31
3	627613	36	12	216	<2	<0.008	-	995	8	26
4	627614	29	6	246	<2	<0.008	-	1640	10	31
5	627615	40	12	178	<2	<0.008	-	1840	8	32
6	627617	17	14	21	<2	<0.008	-	3410	10	12
7	627618	<4	15	12	<2	<0.008	-	166	21	5
8	627619	5	10	69	<2	<0.008	-	4110	5	<5
9	627620	47	54	12	<2	<0.008	-	1830	12	68
10	627621	18	44	82	<2	<0.008	-	1080	4	17
11	627626	28	<5	145	<2	<0.008	-	1550	15	53
12										
13										
14										
15										
17										
18										
19										
20										
21										
22										
23										
24	DETECTION	4	5	4	2	0.008	0.008	10	2	5
25	UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

Results in ppm unless otherwise specified
= element not determined

IS = insufficient sample
SNR = sample not received

AUTHORISED OFFICER

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Analabs Pty. Ltd.
A.C.N. 004 591 664

809055

ANALYTICAL DATA

SAMPLE PREFIX	REPORT No.	REPORT DATE	CLIENT ORDER No.	PAGE
	100560.60.10467	03/11/94	6500	4 OF 6

	SAMPLE No.	Zr	Ti	P205						
METHOD		GX401	GX401	GX401						
1	627301	174	2619	0.111						
2	627303	174	3152	0.176						
3	627304	147	2271	0.130						
4	627305	143	1837	0.192						
5	627306	116	2200	0.126						
6	627308	195	3802	0.127						
7	627309	166	3103	0.173						
8	627310	197	2766	0.064						
9	627312	126	2001	0.072						
10	627315	157	2720	0.092						
11	627316	137	2774	0.159						
12	627317	87	2878	0.068						
13	627318	172	3333	0.119						
14	627319	164	3514	0.168						
15	627320	156	2862	0.057						
	627321	136	2080	0.095						
17	627322	170	2402	0.132						
18	627323	151	2186	0.159						
19	627324	155	2285	0.157						
20	627325	142	2152	0.141						
21	627326	160	2403	0.133						
22	627327	154	2243	0.118						
23	627328	173	2483	0.077						
24	627329	157	2357	0.048						
25	627330	148	2195	0.117						

Results in ppm unless otherwise specified
= element not determined

IS = insufficient sample
SNR = sample not received

AUTHORISED OFFICER

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Analabs Pty. Ltd.
A.C.N. 004 591 664

809056

ANALYTICAL DATA

SAMPLE PREFIX	REPORT No.	REPORT DATE	CLIENT ORDER No.	PAGE
	100560.60.10467	03/11/94	6500	5 OF 6

	SAMPLE No.	Zr	Ti	P2O5						
METHOD		GX401	GX401	GX401						
1	627331	184	3115	0.207						
2	627332	167	3069	0.151						
3	627332A	195	2813	0.134						
4	627333	180	2902	0.312						
5	627334	161	2721	0.062						
6	627335	190	2961	0.200						
7	627336	172	2973	0.182						
8	627337	145	2538	0.191						
9	627338	180	3115	0.152						
10	627339	155	2714	0.203						
11	627340	161	3447	0.287						
12	627343	226	3171	0.142						
13	627344	159	2557	0.159						
14	627345	158	2773	0.144						
15	627347	140	1666	0.115						
	627350	149	2671	0.161						
17	627351	144	2244	0.050						
18	627352	189	3127	0.152						
19	627353	177	3819	0.256						
20	627354	159	3805	0.238						
21	627603	169	3554	0.179						
22	627604	177	3549	0.300						
23	627605	213	3807	0.328						
24	627606	143	2444	0.132						
25	627607	196	3684	0.093						

Results in ppm unless otherwise specified
= element not determined

IS = insufficient sample
SNR = sample not received

AUTHORISED OFFICER

Analabs

Analabs Pty. Ltd.
A.C.N. 004 591 664

ANALYTICAL DATA

809057

SAMPLE PREFIX	REPORT No.	REPORT DATE	CLIENT ORDER No.	PAGE
	100560.60.10467	03/11/94	6500	6 OF 6

	SAMPLE No.	Zr	Ti	P205						
METHOD		GX401	GX401	GX401						
1	627608	176	1275	0.034						
2	627612	149	2692	0.174						
3	627613	140	2290	0.221						
4	627614	163	2619	0.242						
5	627615	189	2768	0.232						
6	627617	185	1346	0.027						
7	627618	92	831	0.021						
8	627619	182	1198	0.026						
9	627620	191	2852	0.056						
10	627621	153	1358	0.044						
11	627626	218	4552	0.196						
12										
13										
14										
15										
17										
18										
19										
20										
21										
22										
23										
24	DETECTION	5	50	0.007						
25	UNITS	ppm	ppm	%						

Results in ppm unless otherwise specified
= element not determined

IS = insufficient sample
SNR = sample not received

AUTHORISED OFFICER

809058

	Basin Lake				
	Sample No.	EASTING	**Wt. to Lab (grams)**	DEPTH (m)	
	535 **LINE 4600N**				
	627170	400	187	6.8	
	627171	425	163	8.8	
	627172	450	147	8.8	
	627173	475	194	7.2	
	627174	500	136	4.4	
	627175	525	105	3.2	
	627176	550	152	3	
	627177	575	113	1	
	627178	600	196	1	
	627179	625	180	1.5	
	627180	650	166	1.8	
	627181	675	163	4.2	
	627182	700	108	8	
	627184	750	51	17.3	
	535 **LINE 5800N**				
	627187	675	139	4.5	
	627188	725	183	5.4	
	627189	775	187	13	
	627190	800	171	18	
	627191	825	174	18	
	627192	850	191	17.5	
	627193	875	170	17	
	627194	900	155	17	
	627195	925	158	18.5	
	Basin Lake Details				
	Total # Samples			**28**	
	# Bedrock Samples			**23**	
	Total depth Drilled (m)			**245.9**	
	Average Depth (m)			**9.5**	

Aberfoyle Exploration

GEOCHEMICAL SAMPLE LEDGER

PROJECT: EL. 103/87 BASIN LAKE

BSS SIEVE SIZE CODE - MESH NUMBER: A 200 D 80 G 30 B 150 E 60 H 20 C 100 F 40 T = TOTAL

SAMPLE TYPE CODE: ☐ OXIDIZED PRODUCTS O; ☐ FRESH ROCK R; ☐ STREAM SEDIMENTS S; ☐ WEATHERED BEDROCK W; ☐ SURFACE TRANSPORTED T; ☐ RESIDUAL SOIL E; ☐ MINE DUMP M

CARD PUNCH PRINT: YES ☐ NO ☐ VERIFY: YES ☐ NO ☐

DATE: 23/3/94

SHEET: 1 OF 1

EASTINGS	NORTHINGS	SAMPLE NUMBER	DEPTH in CMS	SIZE FRACTION	Sample Type	METAL VALUES PPM	GEOLOGICAL LOG
LINE 46 00N						WACKER GEOCHEM SAMPLES	REFER ATTACHED
400		624170					SHEET
425		171				ASSAY FOR:	
450		172					
475		173				Cu Pb Zn Ag by 101	
500		174					
525		175				Ag by 309	
550		176					
575		177				Ba As Cr Zr Ti P by 401	
600		178					
625		179					
650		180					
675		181					
700		182					
750		184		TOTAL		OF 23 SAMPLES	
LINE 58 00N							
675		187				NOTE analysis of P_A reported as P_2O_5.	
725		188					
775		189					
800		190					
825		191					
850		192					
875		193					
900		194					
925		195					

OPERATOR COMPUTER CHECK PLOTTER DATE

ANALABS
A Division of Intracape Testing Services (Australia) Pty. Ltd.
A.C.N. 004 591 664

Phone (004) 316837 | 14 Thirkell St. CODEE TAS 7320 | Fax (004) 318890

809060

ANALYTICAL REPORT No. 100560.60.10104

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

INVOICE TO:
Aberfoyle Resources Limited
Exploration Division
P.O. Box 952
BURNIE TAS 7320

ORDER No.	PROJECT
7079	

DATE RECEIVED	RESULTS REQUIRED
23/03/94	ASAP

No. OF PAGES OF RESULTS	DATE REPORTED	No. OF COPIES	TOTAL No. OF SAMPLES
2	20/04/94	1	223

SAMPLE NUMBERS	SAMPLE DESCRIPTION	ELEMENT/METHOD
827,170/182,184,187/195	SR Prep : GP033 - Use CHROME FREE B	Cu,Pb,Zn,Ag/GA101 Au,Au(R),Au(S)/GG309 Ba,As,Cr,Zr,Ti,F205/GX401

RESULTS TO
Mr R de Bomford
Aberfoyle Resources Limited
Exploration Division
P.O. Box 952
BURNIE TAS 7320

RESULTS TO

RESULTS TO

REMARKS

BASIN LAKE

WACKER SAMPS.

AUTHORISED OFFICER

Analabs

Analabs Pty. Ltd.
A.C.N. 004 591 664

809061

ANALYTICAL DATA

SAMPLE PREFIX	REPORT No.	REPORT DATE	CLIENT ORDER No.	PAGE
	100560.60.10104	20/04/94	7079	1 OF 2

	SAMPLE No.	Cu	Pb	Zn	Ag	Au	Au(R)	Au(S)	Ba	As
METHOD		GA101	GA101	GA101	GA101	GG309	GG309	GG309	GX401	GX401
1	627170	80	9	82	<2	<0.008	-	-	812	8
2	627171	90	8	118	<2	<0.008	-	-	476	32
3	627172	85	10	101	<2	<0.008	-	-	1350	9
4	627173	19	12	55	<2	0.010	-	-	519	5
5	627174	116	39	95	<2	<0.008	-	-	945	14
6	627175	52	<5	74	<2	<0.008	-	-	563	2
7	627176	38	<5	54	<2	<0.008	-	-	976	2
8	627177	48	<5	59	<2	<0.008	-	-	732	<2
9	627178	28	<5	53	<2	<0.008	-	-	704	<2
10	627179	168	<5	52	<2	<0.008	-	-	684	2
11	627180	53	<5	41	<2	<0.008	-	-	1544	4
12	627181	78	<5	78	<2	<0.008	<0.008	-	516	6
13	627182	23	11	114	<2	<0.008	-	-	861	4
14	627184	53	8	225	<2	<0.008	-	-	863	9
15	627187	34	31	119	<2	<0.008	-	-	956	6
	627188	43	12	146	<2	<0.008	-	-	1761	18
17	627189	52	74	208	<2	0.018	-	<0.008	827	10
18	627190	46	64	294	<2	<0.008	-	-	812	8
19	627191	36	265	562	<2	<0.008	-	-	1974	11
20	627192	127	143	410	<2	<0.008	-	-	3284	9
21	627193	45	674	1020	<2	<0.008	-	-	1466	2
22	627194	50	115	249	<2	<0.008	<0.008	<0.008	1537	35
23	627195	57	88	304	<2	<0.008	-	-	1658	15
24	DETECTION	4	5	4	2	0.008	0.008	0.008	10	2
25	UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

Results in ppm unless otherwise specified
- = element not determined

IS = insufficient sample
SNR = sample not received

AUTHORISED OFFICER

Analabs

Analabs Pty. Ltd.
A.C.N. 004 591 664

809062

ANALYTICAL DATA

SAMPLE PREFIX	REPORT No.	REPORT DATE	CLIENT ORDER No.	PAGE
	100560.60.10104	20/04/94	7079	2 OF 2

	SAMPLE No.	Cr	Zr	Ti	P205					
METHOD		GX401	GX401	GX401	GX401					
1	627170	96	174	3200	0.333					
2	627171	98	184	3562	0.330					
3	627172	97	191	3615	0.314					
4	627173	163	250	2716	0.078					
5	627174	69	103	1763	0.220					
6	627175	74	139	2244	0.073					
7	627176	112	201	2396	0.119					
8	627177	84	167	2627	0.114					
9	627178	84	142	2533	0.092					
10	627179	95	152	2653	0.125					
11	627180	121	192	3408	0.121					
12	627181	90	157	2921	0.273					
13	627182	76	167	2707	0.211					
14	627184	44	193	2423	0.240					
15	627187	86	192	2780	0.270					
	627188	59	178	3585	0.402					
17	627189	49	159	1984	0.155					
18	627190	45	158	2013	0.153					
19	627191	34	262	2282	0.193					
20	627192	95	182	2998	0.450					
21	627193	26	237	1627	0.189					
22	627194	51	195	2038	0.101					
23	627195	63	165	2120	0.126					
24	DETECTION	5	5	50	0.007					
25	UNITS	ppm	ppm	ppm	%					

Results in ppm unless otherwise specified
- = element not determined

IS = insufficient sample
SNR = sample not received

AUTHORISED OFFICER

APPENDIX III

ABERFOYLE EXPLORATION

GEOCHEMICAL SAMPLE LEDGER

LICENCE EL103/87

NAME Basin Lake

DATE 17/11/94

DESCRIPTION

Basin Lake Rock Chips

TOTAL 4 samples

NOTES

ANALYSES REQUIRED

ELEMENT	METHOD
Cu	GA101
Pb	GA101
Zn	GA101
Ag	GA101
Au	GG309
Ba	GX104
As	GX401
Ti	GX401
Zr	GX401
P2O5	GX401

AMG EAST	AMG NORTH	SAMPLE#	GEOLOGY
380700	5353990	627630	shd wth gn gy Fd Hb p A ?I
380705	5353995	627631	pl gn wth fg vicl?
380805	5354000	627632	dk gn mas Cl Ep? alt Hb p B-A I
380810	5353860	627634	gn gy shd Q brg ?lv

Analabs

Analabs Pty. Ltd.
A.C.N. 004 591 664

809065

Phone (004) 316637 | 14 Thirkell St. DOOEE TAS 7320 | Fax (004) 318890

ANALYTICAL REPORT No. 100560.60.10540

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

INVOICE TO: Aberfoyle Resources Limited
Exploration Division
P.O. Box 952
BURNIE TAS 7320

ORDER No.	PROJECT
7418	

DATE RECEIVED	RESULTS REQUIRED
17/11/94	ASAP

No. OF PAGES OF RESULTS	DATE REPORTED	No. OF COPIES	TOTAL No. OF SAMPLES
2	07/12/94	1	4

SAMPLE NUMBERS	SAMPLE DESCRIPTION	ELEMENT/METHOD
627630/632,627634	RC Prep : GP033 (A) CHROME FREE BOWL	Cu,Pb,Zn,Ag/GA101 Au/GB309 Ba,Ae,Zr,Ti,Br,P2O5/GX401

RESULTS TO: Mr R de Bomford
Aberfoyle Resources Limited
Exploration Division
P.O. Box 952
BURNIE TAS 7320

RESULTS TO:

RESULTS TO:

REMARKS

Nb.- Sr/GX401 results have been reported free of charge.

AUTHORISED OFFICER

Analabs

Analabs Pty. Ltd.
A.C.N. 004 591 664

809066

ANALYTICAL DATA

SAMPLE PREFIX	REPORT No.	REPORT DATE	CLIENT ORDER No.	PAGE
	100560.60.10540	07/12/94	7418	1 OF 2

	SAMPLE No.	Cu	Pb	Zn	Ag	Au	Ba	As	Zr	Ti
METHOD		GA101	GA101	GA101	GA101	GG309	GX401	GX401	GX401	GX401
1	627630	155	697	656	<2	<0.008	1575	8	226	4227
2	627631	129	192	189	<2	<0.008	2796	8	200	3483
3	627632	50	50	210	<2	<0.008	1170	<2	148	3431
4	627634	82	26	90	<2	<0.008	1906	<2	137	3148
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
17										
18										
19										
20										
21										
22										
23										
24	DETECTION	4	5	4	2	0.008	10	2	5	50
25	UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

esults in ppm unless otherwise specified
= element not determined

IS = insufficient sample
SNR = sample not received

AUTHORISED OFFICER

Analabs

Analabs Pty. Ltd.
A.C.N. 004 591 664

809067

ANALYTICAL DATA

SAMPLE PREFIX	REPORT No.	REPORT DATE	CLIENT ORDER No.	PAGE
	100560.60.10540	07/12/94	7418	2 OF 2

	SAMPLE No.	Sr	P205							
METHOD		GX401	GX401							
1	627630	100	0.213							
2	627631	129	0.133							
3	627632	446	0.280							
4	627634	844	0.383							
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
17										
18										
19										
20										
21										
22										
23										
24	DETECTION	5	0.007							
25	UNITS	ppm	%							

Results in ppm unless otherwise specified
= element not determined

IS = insufficient sample
SNR = sample not received

AUTHORISED OFFICER

APPENDIX IV

ABERFOYLE EXPLORATION

GEOCHEMICAL SAMPLE LEDGER

809069

LICENCE EL103/87

NAME Basin Lake

DATE 1/12/94

DESCRIPTION

Basin Lake Pit Chips

TOTAL 5 samples

NOTES

ANALYSES REQUIRED

ELEMENT	METHOD
Cu	GA101
Pb	GA101
Zn	GA101
Ag	GA101
Au	GG309
Ba	GX104
As	GX401

AMG EAST	AMG NORTH	SAMPLE#	GEOLOGY
380675	5354200	627754	wh wth Ser alt Q brg vicl
380675	5354200	627755	pl gy Ser HA str clv dis Py (10%)
380675	5354200	627756	pl gn gy Ser Sil alt Fd Q brg vicl dis Py (5%)
380675	5354200	627757	pl gy Ser Sil HA dis Py (15%)
380675	5354200	627758	gn gy bnd Py (80%)

Analabs

Analabs Pty. Ltd.
A.C.N. 004 591 664

14 Thirkell St. CODEE TAS 7320
Phone (004) 316837
Fax (004) 318890

803070

ANALYTICAL REPORT No. 100560.60.10579

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

INVOICE TO:
Abertovle Resources Limited
Exploration Division
P.O. Box 952
BURNIE TAS 7320

ORDER No.	PROJECT
7429	

DATE RECEIVED	RESULTS REQUIRED
05/12/94	ASAP

No. OF PAGES OF RESULTS	DATE REPORTED	No. OF COPIES	TOTAL No. OF SAMPLES
1	29/12/94	1	5

SAMPLE NUMBERS	SAMPLE DESCRIPTION	ELEMENT/METHOD
a27754/758	RC Preo : GP033 = CHROME FREE BOWL	Cu.Pb.Zn,Ag/GA101 Au.Au(R)/GG309 Ba.As/GX401

RESULTS TO
Mr R de Bomford
Abertovle Resources Limited
Exploration Division
P.O. Box 952
BURNIE TAS 7320

RESULTS TO

RESULTS TO

REMARKS

BSL PIT

AUTHORISED OFFICER

Analabs

Analabs Pty. Ltd.
A.C.N. 004 591 664

809071

ANALYTICAL DATA

SAMPLE PREFIX	REPORT No.	REPORT DATE	CLIENT ORDER No.	PAGE
	100560.60.10579	29/12/94	7429	1 OF 1

	SAMPLE No.	Cu	Pb	Zn	Ag	Au	Au(R)	Ba	As	
METHOD		GA101	GA101	GA101	GA101	GG309	GG309	GX401	GX401	
1	627754	12	26	40	<2	<0.008	-	2765	4	
2	627755	114	429	120	5	<0.008	<0.008	1180	98	
3	627756	110	100	206	<2	<0.008	-	1750	70	
4	627757	170	145	39	2	<0.008	-	1205	59	
5	627758	374	1062	683	13	0.044	-	270	1063	
6										
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23										
24	DETECTION	4	5	4	2	0.008	0.008	10	2	
25	UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	

Results in ppm unless otherwise specified
= element not determined

IS = insufficient sample
SNR = sample not received

AUTHORISED OFFICER

APPENDIX V

ABERFOYLE RESOURCES LIMITED
EXPLORATION DIVISION

MEMORANDUM

Date:	20 March, 1995	**Ref:**	9503rdb6
To:	R H Lewis	**From:**	J Silic
At:	Burnie	**At:**	Melbourne
Copies:			

Subject: **IP SURVEY (BASIN LAKE)**

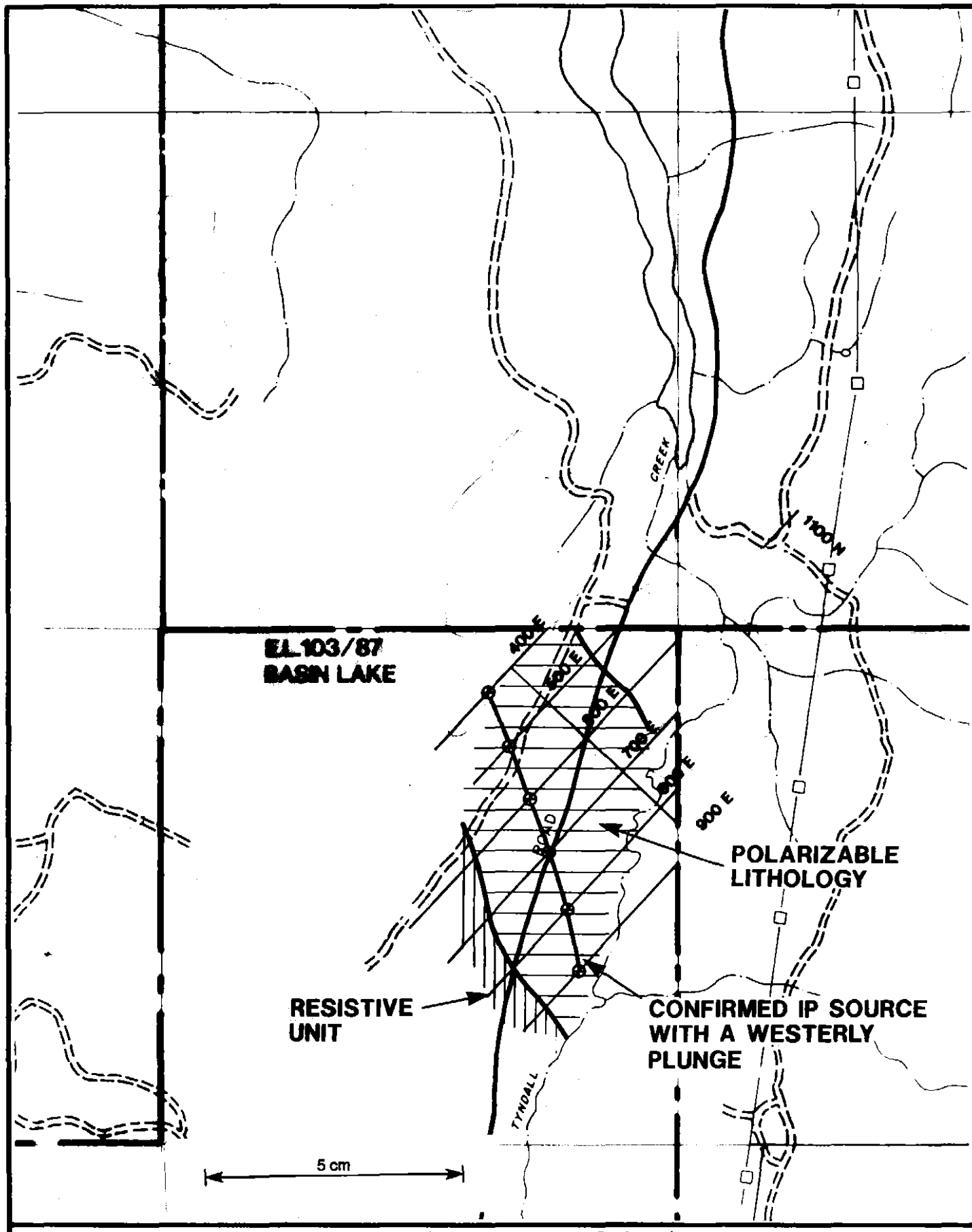
A dipole-dipole survey at 50 metre dipole spacing was conducted over a part of the Tyndall Creek grid (Fig. 1).

Aberfoyle's Zonge GDP 16 equipment, operating in time domain mode at 0.125 Hz was used to collect the data. Newmont standard chargeabilities are displayed on the attached data sections.

Interpretation of this data set results in the identification of a polarisable unit which is in contact with a resistive (> 1000, ohm-m) lithology at its southern boundary.

Within this polarisable unit is a confined IP source, having a north-westerly plunge.

for **J SILIC**



Aberfoyle Resources Limited

EXPLORATION DIVISION

REVISIONS			
Init.	Date	Init.	Date

TASMANIA

EL 103/87 BASIN LAKE

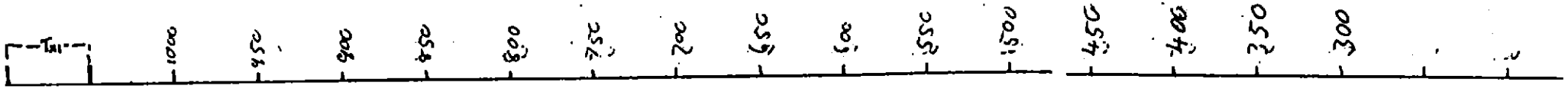
IP GRID
GEOPHYSICAL INTERPRETATION

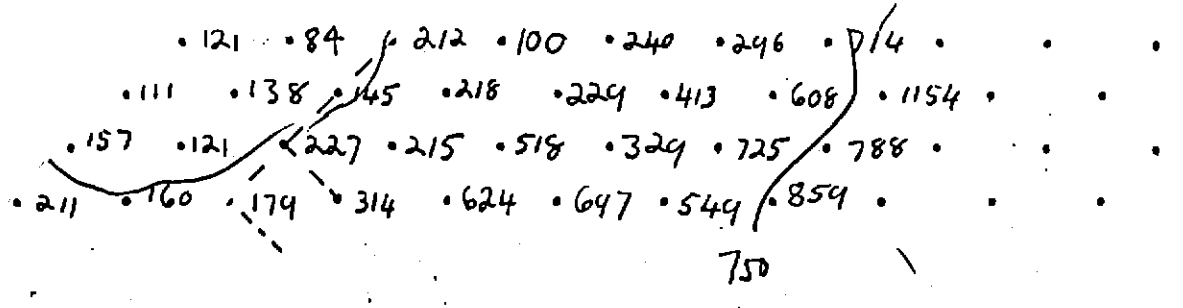
Compiled :	JS
Drawn :	JS
Traced :	MAR
Checked :	

Location Code : K55/6 | Scale : 1:10 000 | Date : October 1994 | Plate No : BL 34

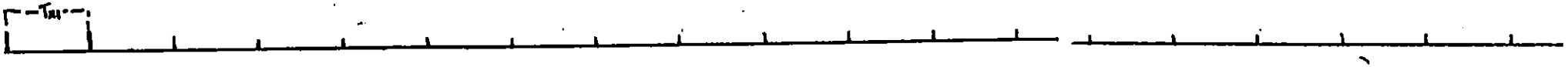
LINE 400E

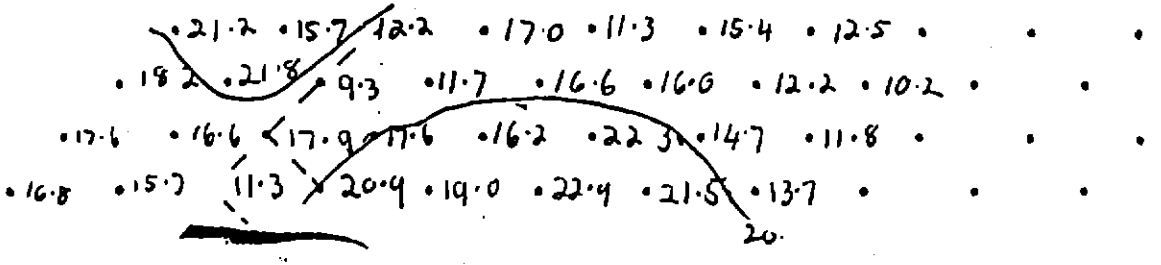
LINE 400E





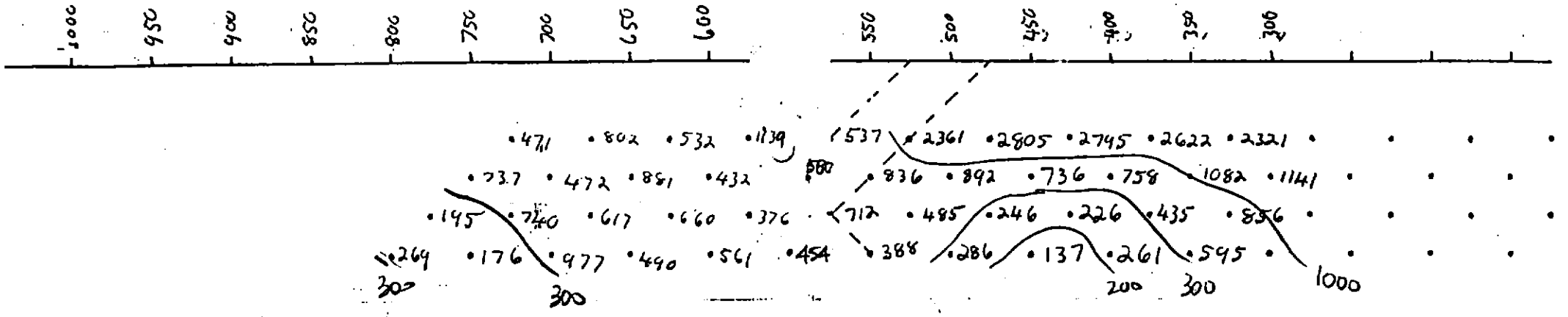
085

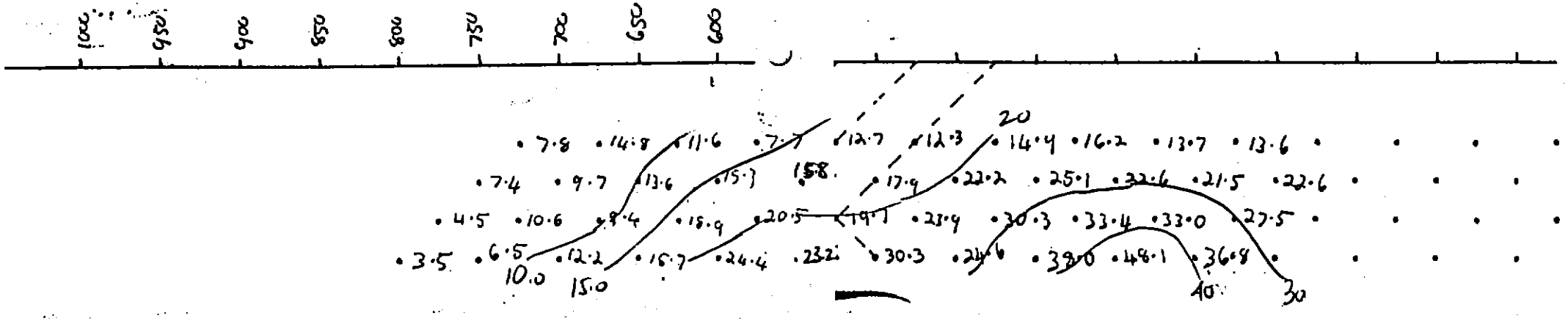




5 500 E.

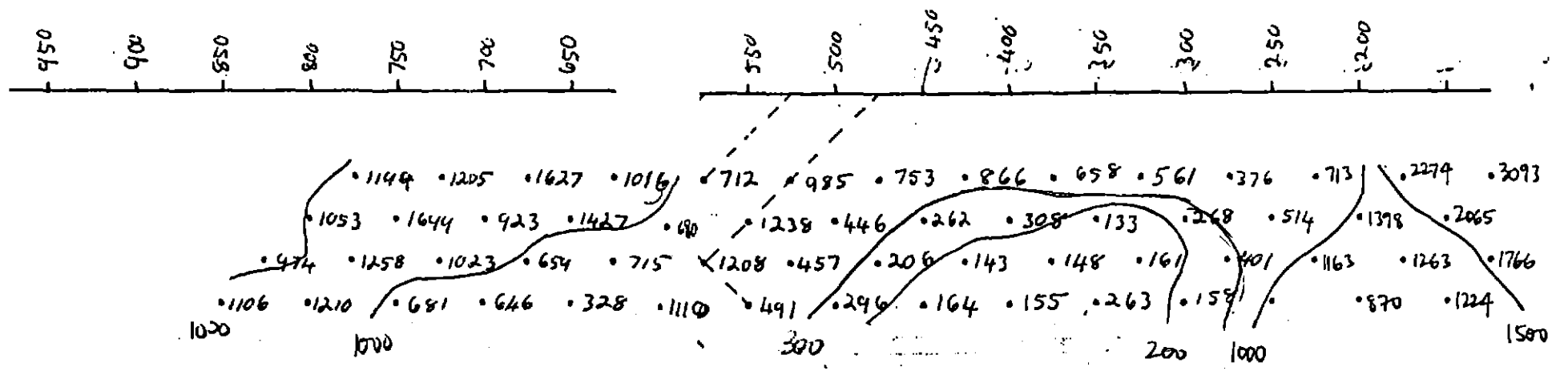
LINE 500E

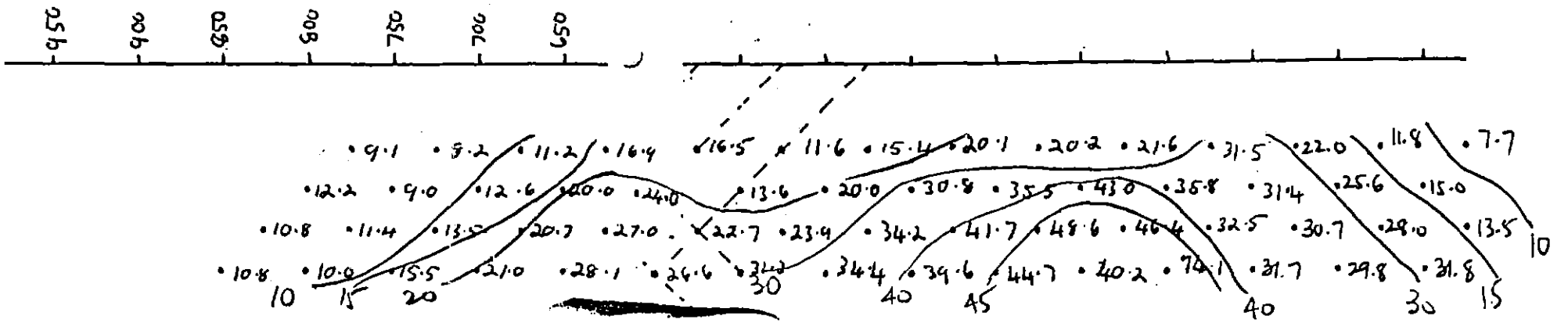




600E

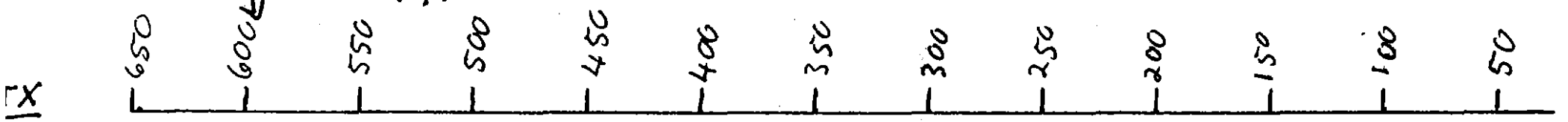
LINE 600E





LINE 700E

DATE 2015/94



ρ

437 • 278 • 301 • 190 • 1098 • 856 • 148 • 453 • 650 • 1802
598 • 153 • 100 • 254 • 579 • 148 • 181 • 724 • 2035 • 5026
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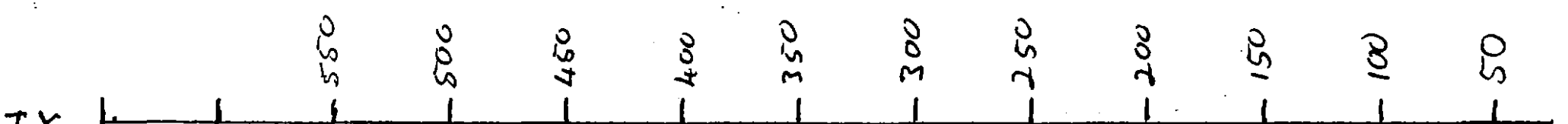
200 1000 5000 100 200 300 500 1500



M

21.9 • 28.2 • 20.3 • 37.1 • 28.1 • 37.6 • 59.7 • 59.3 • 47.6 • 44.3
26.7 • 41.9 • 37.1 • 36.6 • 36.1 • 61.9 • 67.0 • 39.9 • 36.9 • 37.7
37.1 • 43.4 • 37.2 • 36.0 • 59.3 • 67.7 • 51.9 • 31.0 • 32.6
40 • 60.0 • 75.5 • 35.9 • 44.2 • 62.2 • 51.3 • 40.3 • 27.6

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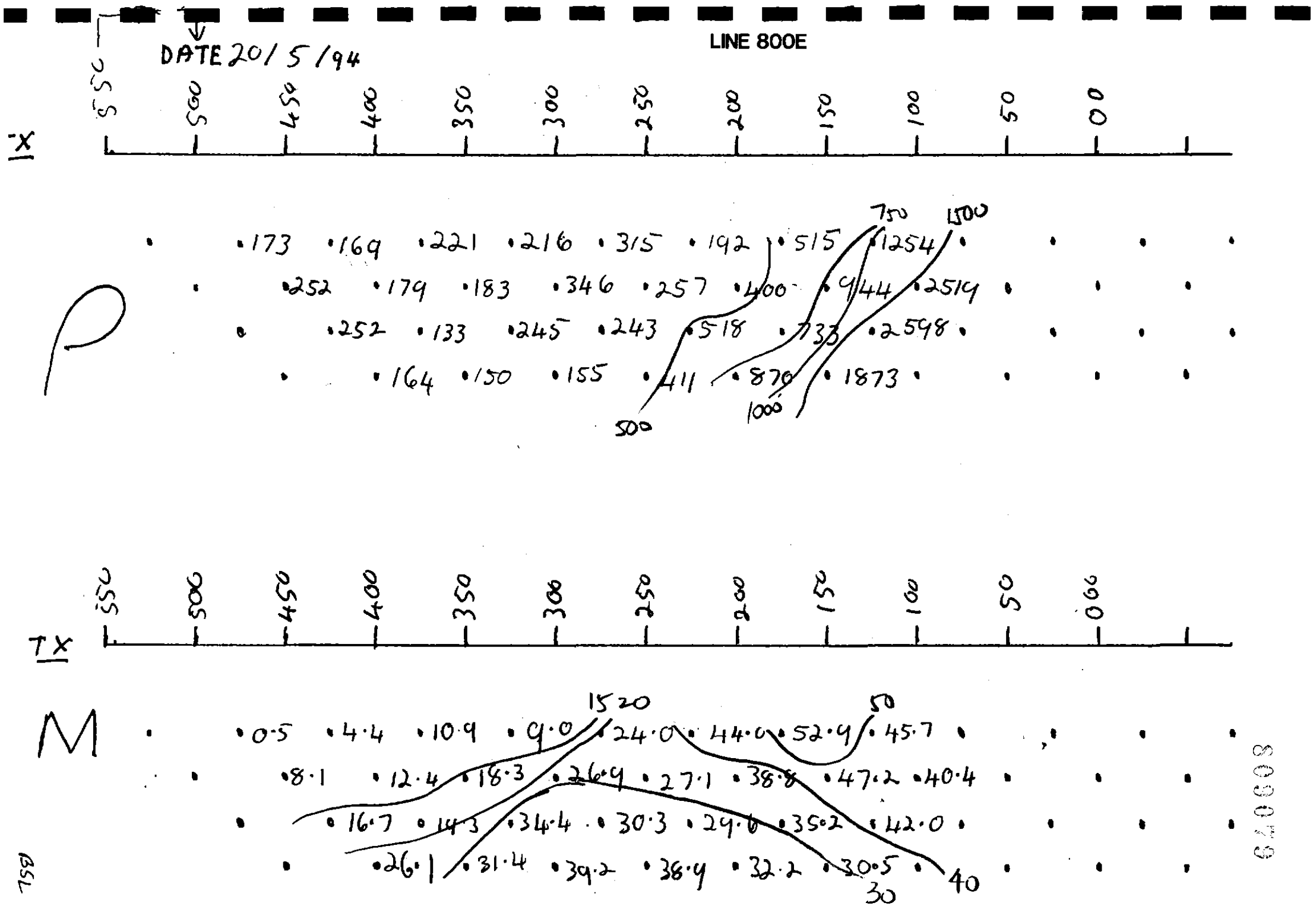
8706008

TSZ

LINE 800E

DATE 20/5/94



BSL

64008

LINE 900E

DATE 21/5/94

Tx

P

382 409 483 727 643 1782
705 431 653 604 794 2852
713 471 473 947 1512
1105 484 604 1834

1500
1000

Tx

M

8·5 6·4 8·8 7·0 12·3 17·5
-2·4 10·9 9·7 14·3 16·6 21·4
0·9 15·6 20·6 17·8 21·6
-1·4 25·0 29·1 17·9

15
20.

MAY 21 '94 15:

+004-316896 ABERFOYLE BURNIE

000008

APPENDIX VI

ABERFOYLE RESOURCES LIMITED
EXPLORATION DIVISION

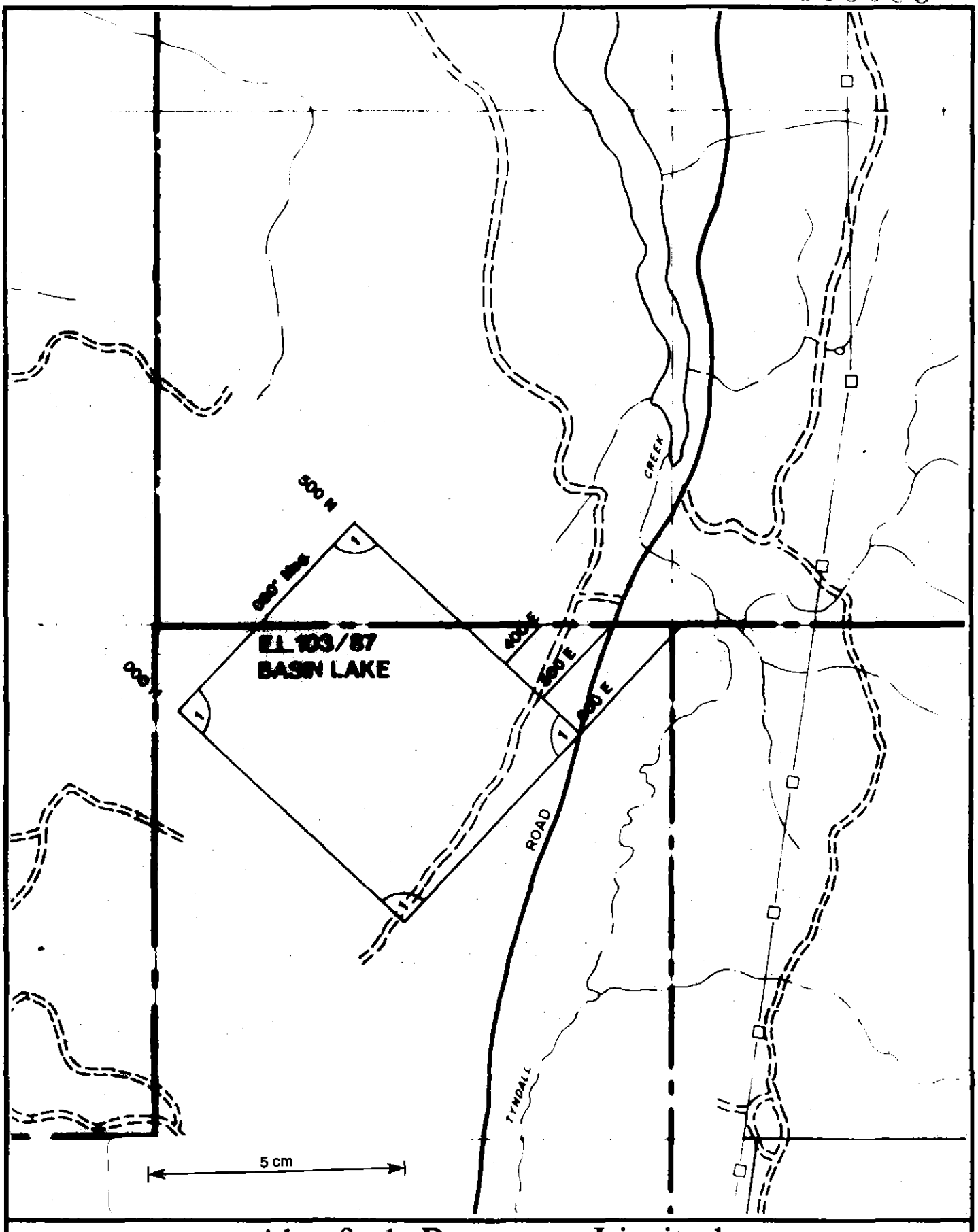
MEMORANDUM

Date:	5 October 1994	**Ref:**	9410rdb1
To:	R H Lewis	**From:**	J Silic
At:	Burnie	**At:**	Hawthorn
Copies:			

Subject: **UTEM SURVEY**

A one loop UTEM survey operating at 26.29 Hz was conducted over the Tyndall Creek grid (Figure 1). Only the vertical component data was collected at a station spacing of 50 metres. No responses which could be attributed to bedrock conductive sources were detected by the survey.

J Silic



Aberfoyle Resources Limited

EXPLORATION DIVISION

REVISIONS			
Init.	Date	Init.	Date

TASMANIA

EL 103/87 BASIN LAKE

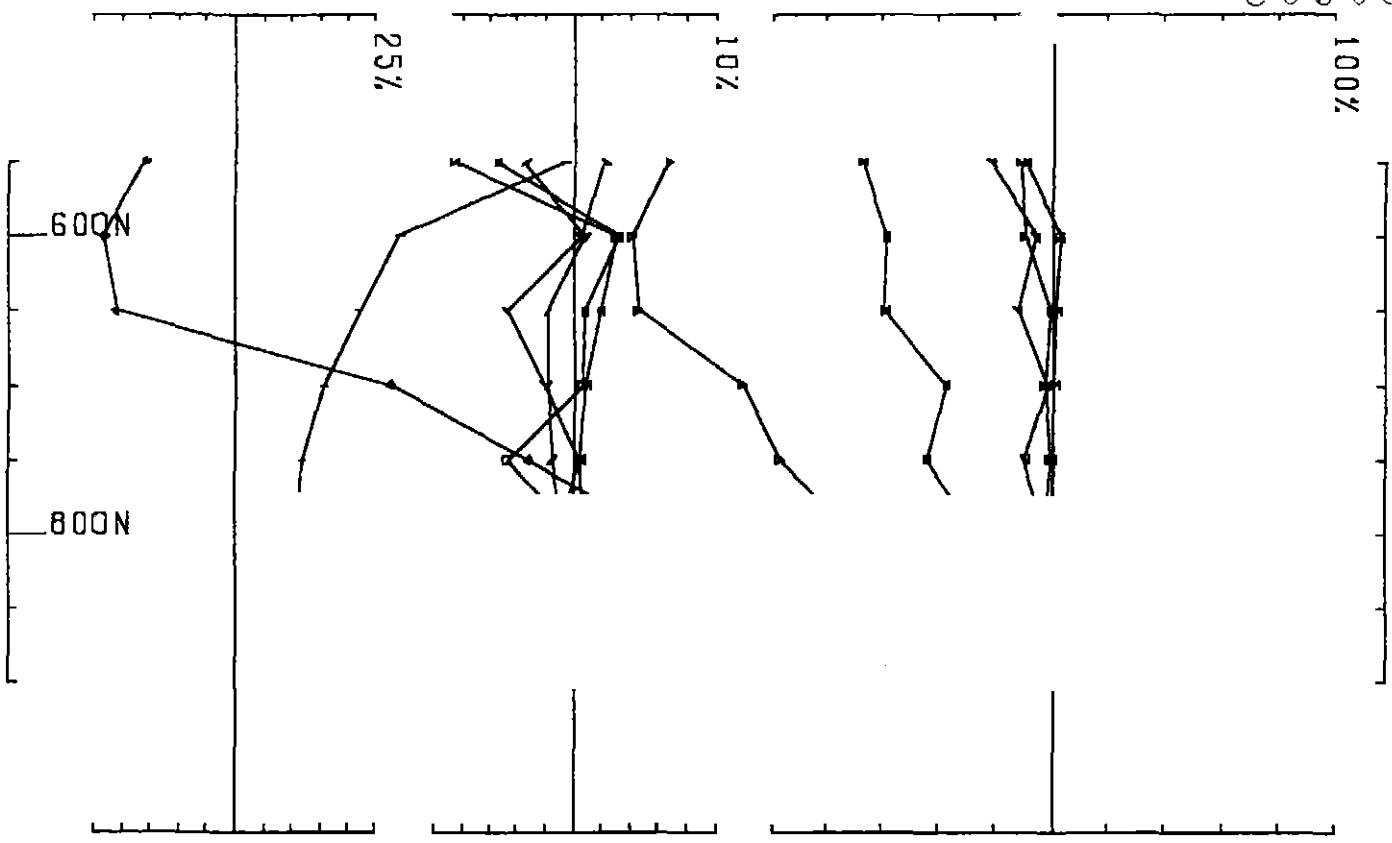
UTEM GRID
GEOPHYSICAL INTERPRETATION

Compiled :	JS
Drawn :	JS
Traced :	MAR
Checked :	
Plate No. :	BL 33

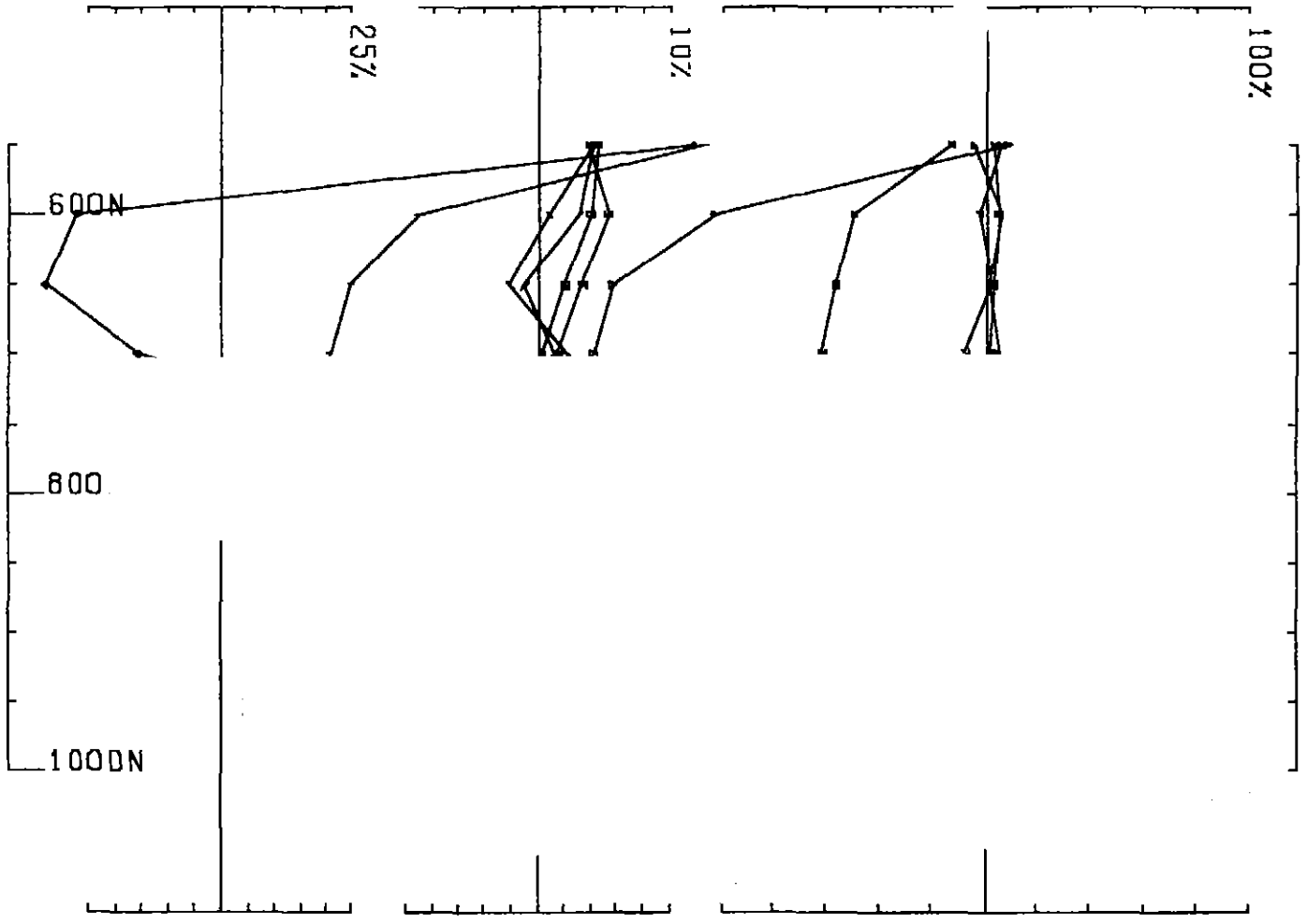
Location Code : K55/6

Scale : 1:10 000

Date : October 1994



UTEM SURVEY AT BASIN LAKE FOR ABERFOYLE RESOURCES SEPTEMBER 1994
CONDUCTED BY LAMONTAGNE GEOPHYSICS LTD JOB 9403 BASE FREQ (HZ) 26.23
LOOP NO 1 LINE 600 E COMPONENT HZ SECONDARY FIELD CH1 POINT NORM.



UTEM SURVEY AT BASIN LAKE FOR ABERFOYLE RESOURCES SEPTEMBER 1994
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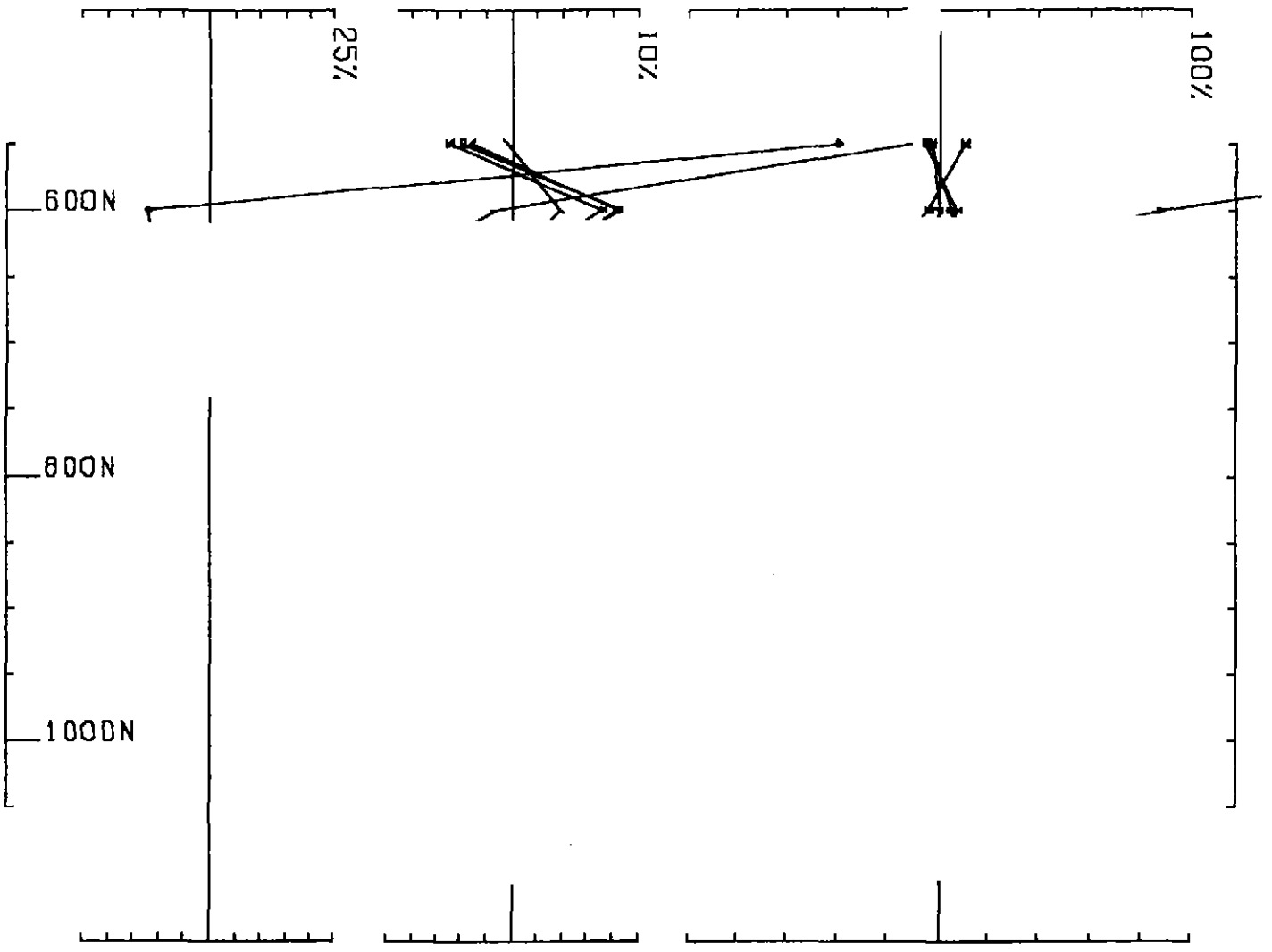

UTEM SURVEY AT BASIN LAKE FOR ABERFOYLE RESOURCES SEPTEMBER 1994
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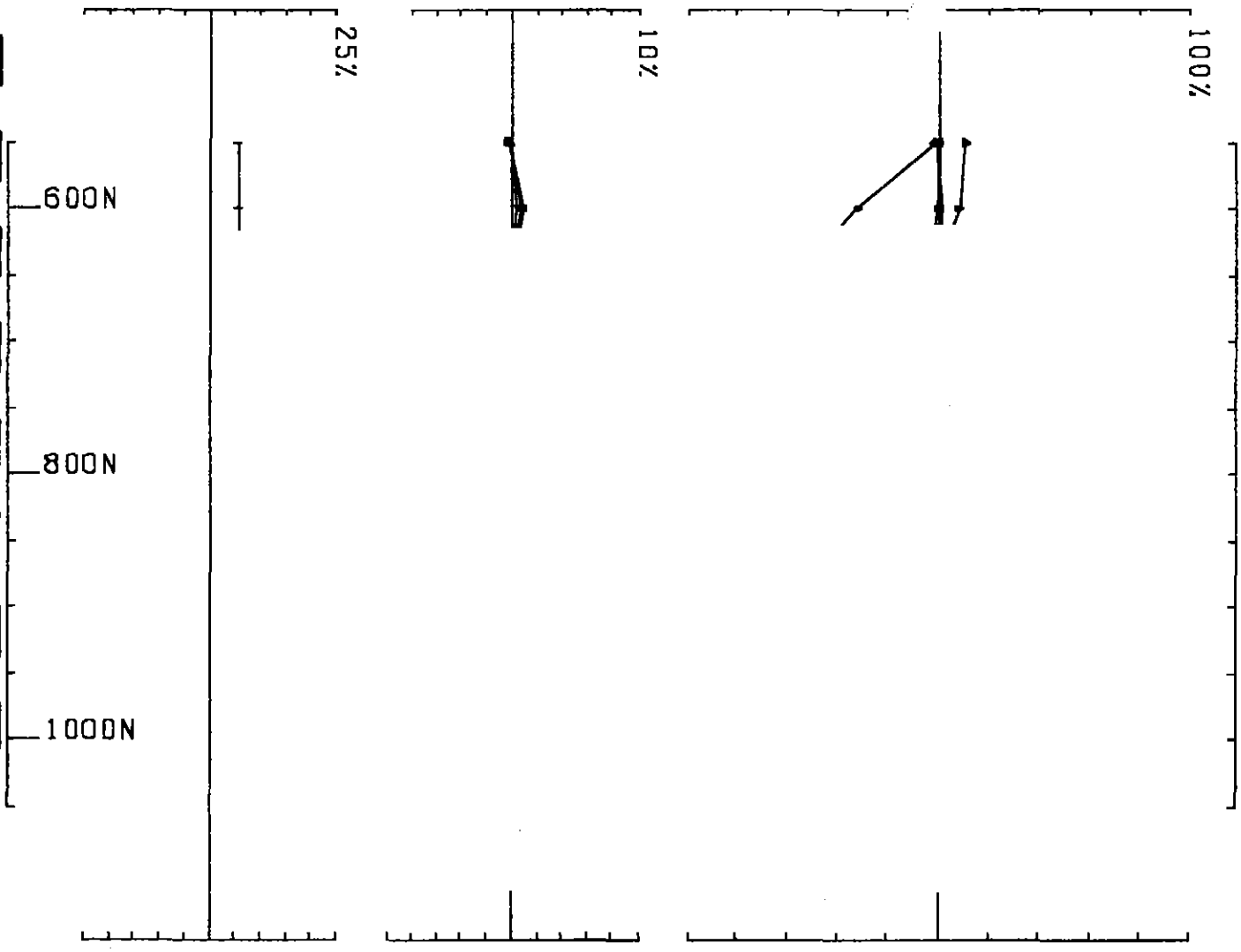

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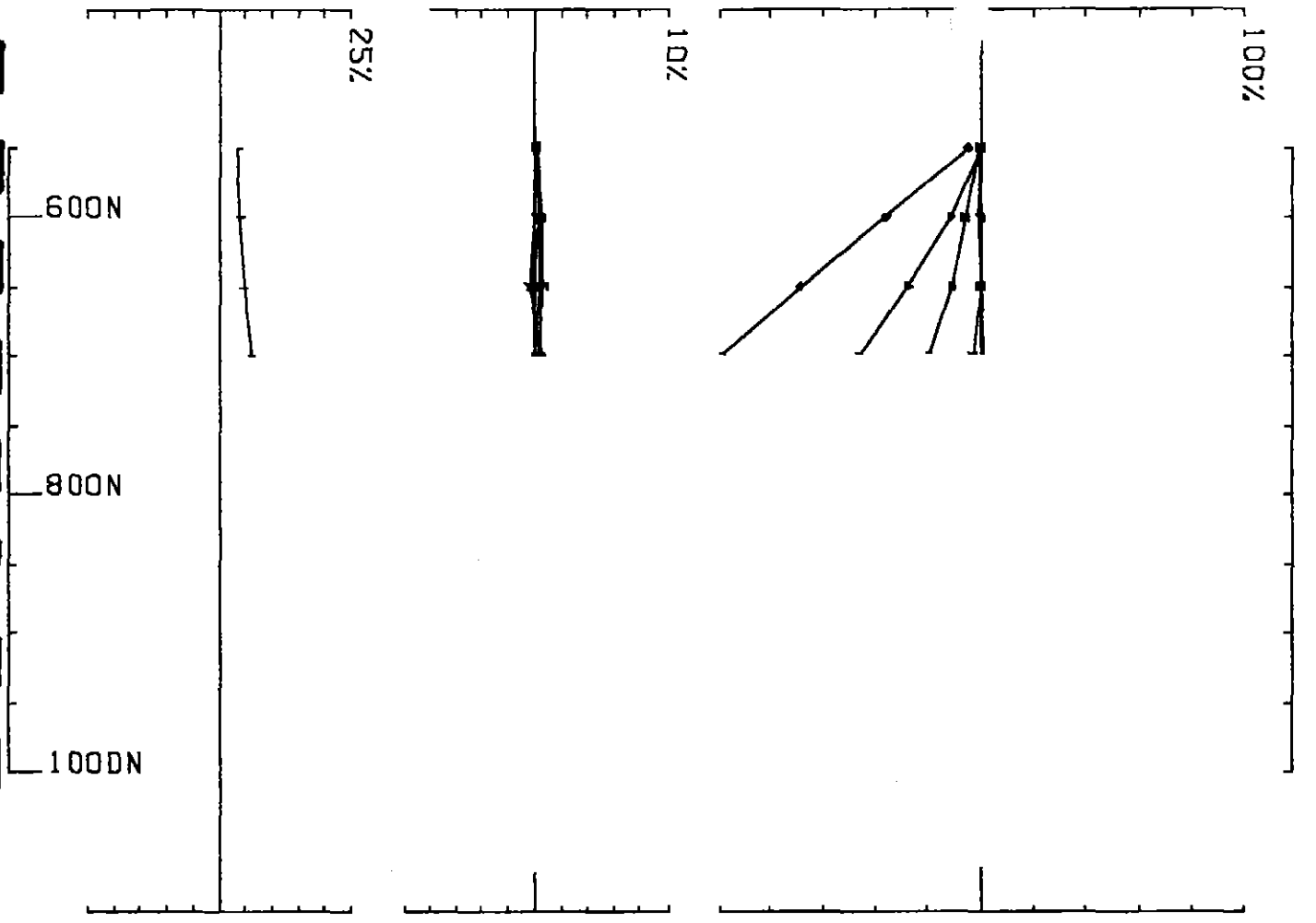

UTEM SURVEY AT BASIN LAKE FOR ABERFOYLE RESOURCES SEPTEMBER 1994
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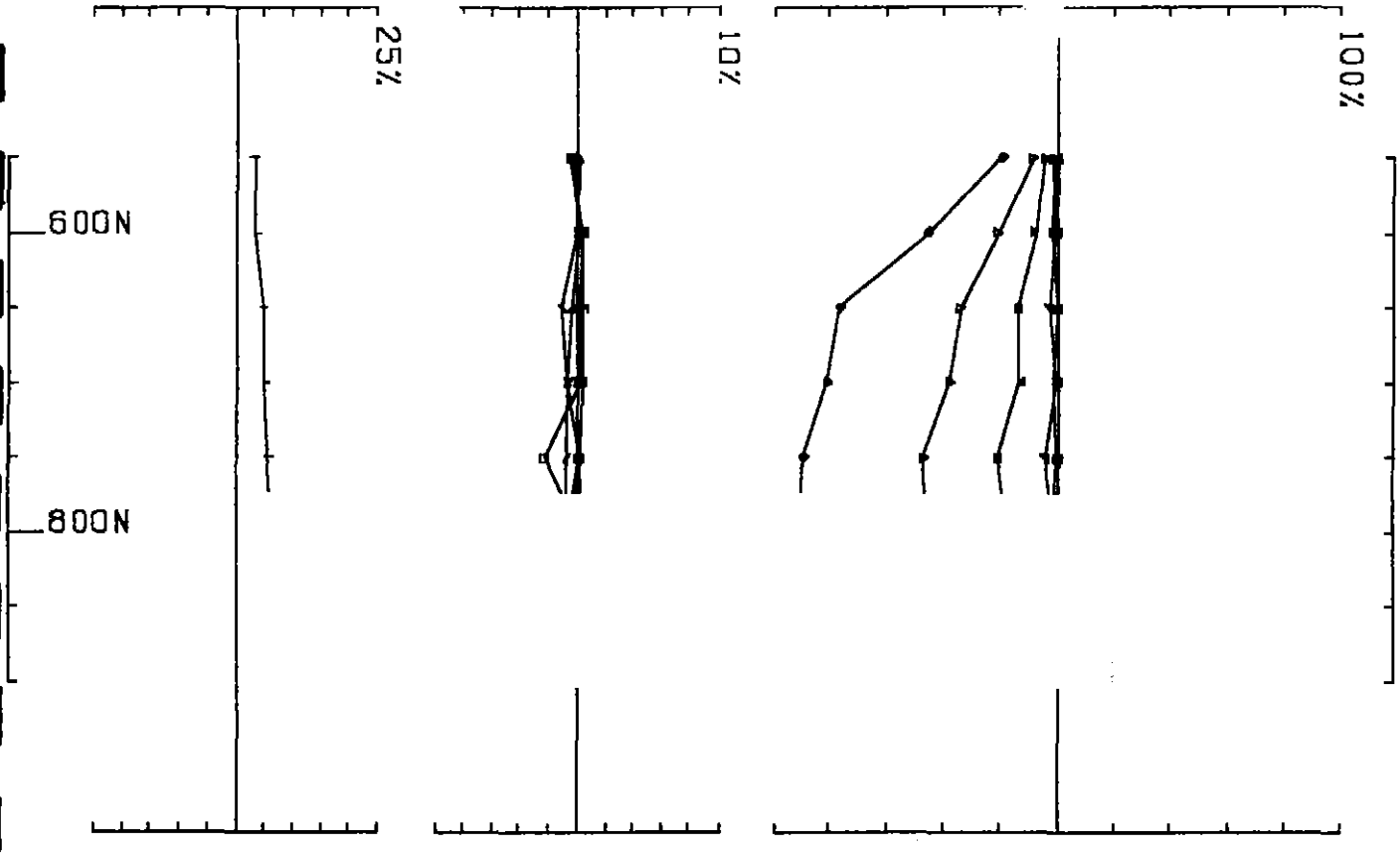

UTEM SURVEY AT BASIN LAKE FOR ABERFOYLE RESOURCES SEPTEMBER 1994
CONDUCTED BY LAMONTAGNE GEOPHYSICS LTD JOB 9403 BASE FREQ (HZ) 26.29
LOOP NO 1 LINE 600 E COMPONENT HZ SECONDARY FIELD CH1 CONTIN. NORM.

APPENDIX VII

GEOLOGICAL MAPPING ABBREVIATIONS BASIN LAKE

Abundant	abn
Adularia	Adl
Agglomerate	agg
Albite	Ab
Alkali feldspar	Afd
Altered	alt
Amphibolitic	amb
Amphibole	Amb
Amygdaloidal	amg
Andalusite	An
Andesite	A
Angular	ang
Ankerite	An
Apatite	Apt
Aplite	Apl
Approximate	apx
Arcuate	ar
Arenaceous	arn
Argillaceous	arg
Argillite	Arg
Arkose	Ak
Arkosic	ak
Arsenopyrite	Ap
Ash vlcl	av
Autobrecciated	aub
Average	ave
Banded	bnd
Barite	Ba
Basalt	B
Bearing	brg
Bedded	bed
Biotite	Bio
Black	bk
Black shale	Bsh
Blue	bl
Boulder	bld
Breccia	b
Breccia vlcl	bv
Bright	brt
Brown	br
Calcareous	cc
Calcite	Cc
Carbonaceous	carb
Carbonate	Co
Cassiterite	Cass
Cavernous	cav
Cemented	csm
Chalcopyrite	Cp
Chert	Ch
Chlorite	Cl
Chromite	Cr
Chromitiferous	cr
Clast	_cst
Clast-supported	CS
Clay	cy
Cleavage	cvg
Coarse	c
Coarse grained	cg
Colloform	coll
Colour	col
Common	com
Conglomerate	Cg
Conglomeratic	cg
Crimson	cm
Crystal	x
Crystal rich	xr
Crystal vlcl	xv
Dacite	D
Dark	dk
Dense	dns
Devitrification	dv
Diorite	Di
Disseminated	Ds
Dolerite	Dol
Dolomite	Dm
Dyke	dy
Elongated	el
Emphasised	emp
Epiclastic (noun)	E
Epidote	Ep
Euhedral	euh
Eutaxitic	eux
Fabric	fab
Fault	F
Fault zone	FZ
Feldspar	Fd
Feldspathoid	Fdd
Feldspar phyric	fp
Felspathic	fel
Ferruginous	fer
Fibrous	fb
Fine	f
Fine grained	fg
Fissile	fis
Flowbanded	fbn
Fluorite	Fl
Foliated	fo
Fragments	fr
Fuchsite	Fu
Gabbro	Gb
Galena	Gn
Glass	Gl
Glassy	gl
Gossan	Gos
Granite	Gr
Granodiorite	Gd
Granular	glr
Graphite	Gt
Graphitic	gt
Gravel	gr
Green	gn
Grey	gy
Greywacke	Gw
Groundmass	gm
Haematite	Hm
Hornblende	Hb
Ignimbrite	Ig
Illite	Ill
Interbedded	ibd
Intercalated	icl
Intrusive	I
Joint	J
Jurassic	Ju
K-Feldspar	Kf
Khaki	kh
Laminated	lm
Lapilli vlcl	lv
Lava	l
Lava breccia	lb
Leached	lch
Leucite	Lct
Leucitite	Ltt
Limonitic	Lim
Light	lgt
Limestone	Lst
Lithic	lh
Magnetite	Mt
Manganese	Mn
Marl	Ml
Massive	mas
Matrix	mtx
Matrix-supported	XS
Matrix dominated	md
Medium	med
Medium grained	mg
Metamorphosed	meta
Mica	Mic
Micaceous	mic
Mineralised	min
Minor	mnr
Mixed	mxd
Moderately sorted	ms
Mottled	mtl
Mudstone	Mst
Nodule	nd
Off white	ow
Olivine	Ol
Oolitic	oo
Orange	or
Ordovician	O
Oxidised	ox
Pale	pl
Patchy	pat
Pebble	peb
Pebbly	pby
Peperitic	pep
Perlitic	prl
Pervasive	per
Phenocrysts	phn
Phyllite	phyl
Phyric	p
Picrite	Pic
Pillow lava	pl
Pink	pk
Polymict	Y
Poorly sorted	ps
Porphyry	Por
Porphyritic	por
Predominantly	pred
Probable	prob
Pumice	Pu
Pumiceous	pu
Purple	pp
Pyrite	Py
Pyritic	py
Pyrolusite	Pr
Pyroxena	Px
Pyrrhotite	Po
Quartz	Q
Quartzite	Qtz
Quellite	Qll
Questionable	?
Recrystallised	rx
Red	rd
Rehealed	rhd
Reworked	rw
Rhyodacite	RD
Rhyolite	R
Ripple marks	rmk
Round	rnd
Rubble	rbb
Sandstone	Ss
Schist	Sch
Schistose	sch
Sediment	sed
Sericite	Se
Serpentine	Srp
Shale	Sh
Sheared	shd
Sheeted	sht
Siderite	Sid
Silica	Si
Siliceous	sil
Silstone	Slt
Slickenside	slk
Sphalerite	Sp
Spotted	spt
Spotty	spy
Stockwork	stw
Stratabound	stb
Strong	str
Structure controlled	stc
Syngenetic	syn
Talc	Tc
Tertiary	T
Tourmaline	Tm
Trace	tr
Trachyte	Tr
Tuff	Tf
Tuffaceous	tf
Variable	var
Variolitic	vr
vein	vn
Very	v
Vesicular	ves
Vitric	vt
Volcanic	vlc
Volcaniclastic	Vc
Volcaniclastic Ss	Vs
Volcaniclastic Cg	VCg
Weak	wk
Weathered	wth
Well sorted	ws
White	wh
Yellow	yw

809090 95-3716

Aberfoyle Resources Limited

EXPLORATION DIVISION

A.C.N. 004 664 108

BASIN LAKE EL 103/87
TASMANIA

Technical Progress Report
for the period
April 1994 - March 1995

Volume 2 of 3
Plates

Prepared by:

R Lewis

R. Lewis
GEOLOGIST

Endorsed by:

for

D.B. Wallace
MANAGER EXPLORATION

Distribution

Aberfoyle - Burnie	(1/4)
Aberfoyle - Melbourne	(2/4)
Department of Mines - Hobart	**(3/4)**
Acacia - Melbourne	(4/4)

Internal Report No.: Basin Lake 7

RHL\ABERFOYL\EL103\87\WIMWORD\REPORT\BSLAR95.DOC

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PROSPECT: lwg
PLAN: definition
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Backward extent: 1000.0
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PDF file: bl35a.pcf
PLOTfile: BL35A.plt
GRI file: blwk2.cri

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LEGEND - Left Side

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1994 Wacker Samples

Data: Sample number

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Criteria Item: 2
Extents size: 100.00

Criteria Item: 3
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Extents size: 100.00

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Extents size: 100.00

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Extents size: 100.00

379000E 379500E 380000E 380500E 381000E 381500E 382000E

5357000N 5356500N 5356000N 5355500N 5355000N 5354500N 5354000N 5353500N 5353000N 5352500N 5352000N

95-3716.

809331

Aberfoyle Resources Limited
EXPLORATION DIVISION

REVISIONS			
Init.	Date	Init.	Date
Location Code:			

TASMANIA
EL103/87 Basin Lake
1994 Wacker Sampling
Samples

Scale: 1 : 5000 Date: 21/03/95

Compiled: RHL
Drawn:
Traced:
Checked:
Plate No.: BL35A

5 cm

PROGRAM: gentry
PROSPECT: imp
PLAN definition:
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Forward extent: 1000.0
Backward extent: 1000.0

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PCF file: bl36a.pcf
PLOTfile: BL36A.plt
CRI file: blwk2.cri

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LEGEND - Left Side

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1994 Wacker Sampling

Data: Depth
Colour Code
Minimum Maximum
Inclusive Exclusive
0.000 1.000
1.000 2.000
2.000 5.000
5.000 10.000
10.000 100.000

= POLYGON/STRINGS =
Criteria Item: 1
Extents size: 100.00

Criteria Item: 2
Extents size: 100.00

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PCF file: bl36a.pcf
PLOTfile: BL36A.plt
CRI file: tcwash-bsl.cri

LEGEND - Right Side

LEGEND - Left Side

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Dataset: mfg
1994 Wacker Sampling

Data: Depth
Colour Code
Minimum Maximum
Inclusive Exclusive
0.000 1.000
1.000 2.000
2.000 5.000
5.000 10.000
10.000 100.000

379000E 379500E 380000E 380500E 381000E 381500E 382000E

5357000N 5356500N 5356000N 5355500N 5355000N 5354500N 5354000N 5353500N 5353000N 5352500N 5352000N

95-3716.

Aberfoyle Resources Limited
EXPLORATION DIVISION

REVISIONS				TASMANIA	Compiled: RHL
Init.	Date	Init.	Date	EL103/87 Basin Lake	Drawn:
				1994 Wacker Sampling	Traced:
				Sample Depth (m)	Checked:
Location Code:				Scale: 1 : 5000 Date: 7/03/95	Plate No.: BL36A

5 cm

809092

PROGRAM: dhs
PROSPECT: img
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Backward extent: 1000.0
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PLOTfile: BL35B.plt
CRI file: blwkddh.cri

LEGEND - Right Side

LEGEND - Left Side

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1994 Wacker Samples
Data: Sample number

* POLYGON/STRINGS *
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Extents size: 100.00
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Extents size: 100.00
Criteria Item: 5
Extents size: 100.00
Criteria Item: 6
Extents size: 100.00
Criteria Item: 7
Extents size: 100.00

380200E 380400E 380600E 380800E

5354800N 5354600N 5354400N 5354200N 5354000N 5353800N 5353600N

DDBL0004 +160 -091 289

DDBL0005 346.5 +227

5 cm

95-3716.

809093

Aberfoyle Resources Limited
EXPLORATION DIVISION

REVISIONS			
Init.	Date	Init.	Date

Location Code:

TASMANIA
EL103/87 Basin Lake
1994 Wacker Sampling
Samples

Scale: 1 : 2500 Date: 6/02/95

Compiled: RHL
Drawn:
Traced:
Checked:
Plate No.: BL35B

PROGRAM: dhs
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Forward extent : 1000.0
Backward extent: 1000.0

PDF file: bl36b.pdf
PCF file: bl36b.pcf
PLOTfile: BL36B.plt
CRI file: blwkddh.cri

LEGEND - Right Side

LEGEND - Left Side

LOCATION PLOT
Dataset: sfg
1994 Wacker Samples

Data: Depth

Colour	Minimum Inclusive	Maximum Exclusive
	0.000	1.000
	1.000	2.500
	2.500	5.000
	5.000	10.000
	10.000	100.000

POLYGON/STRINGS
Criteria Item: 1
Extents size: 100.00

Criteria Item: 2
Extents size: 100.00

380200E
380400E
380600E
380800E
5354800N
5354600N
5354400N
5354200N
5354000N
5353800N
5353600N

DDBL0004
DDBL0005

95-3716.

5 cm

809094

Aberfoyle Resources Limited
EXPLORATION DIVISION

REVISIONS

Init.	Date	Init.	Date

Location Code:

TASMANIA
EL103/87 Basin Lake
1994 Wacker Sampling
Sample Depth (m)

Scale: 1 : 2500
Date: 6/02/95

Compiled: RHL
Drawn:
Traced:
Checked:
Plate No.: BL36B

PROGRAM: gentry
PROSPECT: iag
PLAN definition:
WHICH: AMG
E: 378750.0 382250.0
N: 5351900.0 5357200.0
RL: 900.0 600.0
Forward extent : 1000.0
Backward extent: 1000.0
PDF file: bl37.pdf
PCF file: bl37.pcf
CNT file: BLNV.cnt
CMT file: sim63.cmt

LEGEND - Left Side

LEGEND - Right Side

* LOCATION PLOT *
Dataset: efg
Geology

Data: COLOUR

* POLYGON/STRINGS *
Criteria Item: 1
Extents size: 100.00

Criteria Item: 2
Extents size: 100.00

379000E 379500E 380000E 380500E 381000E 381500E 382000E

5357000N 5356500N 5356000N 5355500N 5355000N 5354500N 5354000N 5353500N 5353000N 5352500N 5352000N

95-3716.

Aberfoyle Resources Limited
EXPLORATION DIVISION

REVISIONS				TASMANIA	Compiled: RHL
Init.	Date	Init.	Date	EL103/87 Basin Lake	Drawn:
				1994 Wacker Sampling	Traced:
				Geology and Alteration	Checked:
Location Code:				Scale: 1 : 5000 Date: 8/03/95	Plate No.: BL37

5 cm

809085

PROGRAM: gentry
PROSPECT: lmp
PLAN definition:
GRID: AMG
E: 378750.0 382250.0
N: 5351000.0 5357500.0
RL: 500.0 500.0
Forward extent : 1000.0
Backward extent: 1000.0
PDF file: bl39a.pdf
PCF file: bl39a.pcf
PLOTfile: BL39A.plt
CRT file: blvbl.crt

LEGEND - Right Side

LEGEND - Left Side

* LOCATION PLOT *
Dataset: *fg
Pb (ppm)

Data: Pb

Colour Minimum Inclusive	Code Maximum Exclusive
0.000	100.000
100.000	200.000
200.000	500.000
500.000	1000.000
1000.000	100000.000

* POLYGON/STRINGS *
Criteria Item: 1
Extents min: 100.00

Criteria Item: 2
Extents min: 100.00

PDF file: bl39a.pdf
PCF file: bl39a.pcf
PLOTfile: BL39A.plt
CRT file: tcvsch-bl.crt

LEGEND - Right Side

LEGEND - Left Side

* LOCATION PLOT *
Dataset: *fg
Pb (ppm)

Data: Pb

Colour Minimum Inclusive	Code Maximum Exclusive
0.000	100.000
100.000	200.000
200.000	500.000
500.000	1000.000
1000.000	100000.000

379000E 379500E 380000E 380500E 381000E 381500E 382000E

5357000N 5356500N 5356000N 5355500N 5355000N 5354500N 5354000N 5353500N 5353000N 5352500N 5352000N

95-3716.

Aberfoyle Resources Limited
EXPLORATION DIVISION

REVISIONS			
Init.	Date	Init.	Date
Location Code:			

TASMANIA
EL103/87 Basin Lake
1994 Wacker Sampling
Pb (ppm)

Scale: 1 : 5000
Date: 7/03/95

Compiled: RHL
Drawn:
Traced:
Checked:
Plate No.: BL39A

5 cm

809096

PROGRAM: gentry
PROSPECT: lag
PLAN definition:
GRID: AMG
E 378750.0 382250.0
N 5351900.0 5357200.0
RL 550.0 500.0

Forward extent : 1000.0
Backward extent: 1000.0

PDF file: bl38a.pdf
PDF file: bl38a.prf
PLOTfile: BL38A.plt
CRI file: blwk2.cri

LEGEND - Right Side

LEGEND - Left Side

= LOCATION PLOT =
Dataset: rfg
Cu (ppm)

Data: Cu

Colour Minimum	Code Maximum
Inclusive	Exclusive
0.000	50.000
50.000	100.000
100.000	200.000
200.000	300.000
300.000	50000.000

= POLYGON/STRINGS =
Criteria Item: 1
Extents size: 100.00

Criteria Item: 2
Extents size: 100.00

PDF file: bl38a.pdf
PDF file: bl38a.prf
PLOTfile: BL38A.plt
CRI file: tcweek-bel.cri

LEGEND - Right Side

LEGEND - Left Side

= LOCATION PLOT =
Dataset: rfg
Cu (ppm)

Data: Cu

Colour Minimum	Code Maximum
Inclusive	Exclusive
0.000	50.000
50.000	100.000
100.000	200.000
200.000	300.000
300.000	50000.000

379000E 379500E 380000E 380500E 381000E 381500E 382000E

5357000N 5356500N 5356000N 5355500N 5355000N 5354500N 5354000N 5353500N 5353000N 5352500N 5352000N

95-3716.

809097

Aberfoyle Resources Limited
EXPLORATION DIVISION

REVISIONS				TASMANIA	Compiled: RHL
Inits.	Date	Inits.	Date	EL103/87 Basin Lake	Drawn:
				1994 Wacker Sampling	Traced:
				Cu (ppm)	Checked:
Location Code:				Scale: 1 : 5000 Date: 7/03/95	Plate No.: BL38A

5 cm

PROGRAM: gentry
PROSPECT: img
PLAN: definition

GRID: AMG
E: 379750.0 382250.0
N: 5351800.0 5357200.0
RL: 700.0 750.0

Forward extent: 1000.0
Backward extent: 1000.0

PDF file: bl41a.pdf
PCF file: bl41a.pcf
PLOTfile: BL41A.plt
CMI file: bl41a.cmi

LEGEND - Right Side

LEGEND - Left Side

* LOCATION PLOT *
Dataset: sfg
Ag (ppm)

Data: Ag

Colour	Code
Minimum Inclusive	Maximum Exclusive
0.000	2.000
2.000	100.000
100.000	200.000

* POLYGON/STRINGS *
Criteria Item: 1
Extents min: 100.00

Criteria Item: 2
Extents min: 100.00

PDF file: bl41a.pdf
PCF file: bl41a.pcf
PLOTfile: BL41A.plt
CMI file: towack-bs1.cmi

LEGEND - Right Side

LEGEND - Left Side

* LOCATION PLOT *
Dataset: sfg
Ag (ppm)

Data: Ag

Colour	Code
Minimum Inclusive	Maximum Exclusive
0.000	2.000
2.000	100.000
100.000	200.000

379000E 379500E 380000E 380500E 381000E 381500E 382000E

5357000N 5356500N 5356000N 5355500N 5355000N 5354500N 5354000N 5353500N 5353000N 5352500N 5352000N

3.0
11.0
7.0
3.0
4.0
10.0
2.0

95-3716.

Aberfoyle Resources Limited
EXPLORATION DIVISION

REVISIONS			
Init.	Date	Init.	Date

Location Code:

TASMANIA
EL103/87 Basin Lake
1994 Wacker Sampling
Ag (ppm)

Scale: 1 : 5000
Date: 7/03/95

Compiled: RHL
Drawn:
Traced:
Checked:
Plate No.: BL41A

5 cm

809098

PROGRAM: gentry
PROSPECT: img
PLAN definition:
GRID: AMG
E: 379750.0 382250.0
N: 5351800.0 5357200.0
RL: 700.0 500.0
Forward extent: 1000.0
Backward extent: 1000.0
POF file: bl40a.pof
POF file: bl40a.pcf
PLOTfile: BL40A.plt
CRT file: blwk2.crl

LEGEND - Left Side

LEGEND - Right Side

* LOCATION PLOT *
Dataset: nfg
Zn (ppm)

Data: Zn
Colour Code
Minimum Maximum
Inclusive Exclusive
0.000 100.000
100.000 200.000
200.000 500.000
500.000 1000.000
1000.000 100000.000

* POLYGON/STRINGS *
Criteria Item: 1
Extents size: 100.00

Criteria Item: 2
Extents size: 100.00

POF file: bl40a.pof
POF file: bl40a.pcf
PLOTfile: BL40A.plt
CRT file: tswack-0s1.crl

LEGEND - Left Side

LEGEND - Right Side

* LOCATION PLOT *
Dataset: nfg
Zn (ppm)

Data: Zn
Colour Code
Minimum Maximum
Inclusive Exclusive
0.000 100.000
100.000 200.000
200.000 500.000
500.000 1000.000
1000.000 100000.000

379000E 379500E 380000E 380500E 381000E 381500E 382000E

5357000N 5356500N 5356000N 5355500N 5355000N 5354500N 5354000N 5353500N 5353000N 5352500N 5352000N

95-3716.

Aberfoyle Resources Limited
EXPLORATION DIVISION

REVISIONS			
Init.	Date	Init.	Date

Location Code:

TASMANIA
EL103/87 Basin Lake
1994 Wacker Sampling
Zn (ppm)

Scale: 1 : 5000
Date: 7/03/95

Compiled: RHL
Drawn:
Traced:
Checked:
Plate No.: BL40A

5 cm

809099

809100 95-3716

Aberfoyle Resources Limited

EXPLORATION DIVISION

A.C.N. 004 664 108

BASIN LAKE EL 103/87
TASMANIA

Technical Progress Report
for the period
April 1994 - March 1995

Volume 3 of 3
Plates

Prepared by:

R. Lewis

R. Lewis
GEOLOGIST

Endorsed by:

D.B. Wallace
MANAGER EXPLORATION

Distribution

Aberfoyle - Burnie	(1/4)
Aberfoyle - Melbourne	(2/4)
Department of Mines - Hobart	**(3/4)**
Acacia - Melbourne	(4/4)

Internal Report No.: Basin Lake 7

R:\ABERFOYL\EL10387\WINWORD\REPORT\BSLAR95.DOC

PROGRAM: gentry
PROSPECT: lwg
PLAN definition:
GRID: AMG
E: 378750.0 382250.0
N: 5361600.0 5357200.0
RL: 500.0 500.0
Forward extent : 1000.0
Backward extent: 1000.0
PDF file: bl42a.pdf
PDF file: bl42a.pcf
PLOTfile: BL42A.plt
CMI file: blwk2.cmi

LEGEND - Right Side

LEGEND - Left Side

* LOCATION PLOT *
Dataset: nfg
Au (ppb)

Data: Au

Colour Minimum Inclusive	Code Maximum Exclusive
0.000	0.008
0.008	0.150
0.500	100.000

* POLYGON/STRINGS *
Criteria Item: 1
Extents min: 100.00

Criteria Item: 2
Extents min: 100.00

PDF file: bl42a.pdf
PDF file: bl42a.pcf
PLOTfile: BL42A.plt
CMI file: towack-bs1.cmi

LEGEND - Right Side

LEGEND - Left Side

* LOCATION PLOT *
Dataset: nfg
Au (ppb)

Data: Au

Colour Minimum Inclusive	Code Maximum Exclusive
0.000	0.008
0.008	0.500
0.500	100.000

379000E 379500E 380000E 380500E 381000E 381500E 382000E

5357000N 5356500N 5356000N 5355500N 5355000N 5354500N 5354000N 5353500N 5353000N 5352500N 5352000N

0.015 0.027 0.030 0.040 0.018 0.014 0.014 0.018 0.028 0.044 0.048

95-3716

Aberfoyle Resources Limited
EXPLORATION DIVISION

REVISIONS			
Init.	Date	Init.	Date

Location Code:

TASMANIA
EL103/87 Basin Lake
1994 Wacker Sampling
Au (ppm)

Scale: 1 : 5000
Date: 7/03/95

Compiled: RHL
Drawn:
Traced:
Checked:
Plate No.: BL42A

5 cm

809101

PROGRAM: gentry
PROSPECT: ibg
PLAN definition:
GRID: AMG
E: 379750.0 382250.0
N: 5351900.0 5357200.0
RL: 500.0 500.0
Forward extent: 1000.0
Backward extent: 1000.0

PDF file: bl43a.pdf
PDF file: bl43a.pdf
PLOTfile: BL43A.plt
CRI file: blwk2.cri

LEGEND - Right Side

LEGEND - Left Side

* LOCATION PLOT *
Dataset: sfg
Ba (ppm)

Data: Ba

Colour Inclusive	Code	Max Exclusive
0.000		500.000
500.000		1000.000
1000.000		2000.000
2000.000		5000.000
5000.000		500000.000

* POLYGON/STRINGS *
Criteria Item: 1
Extents size: 100.00

Criteria Item: 2
Extents size: 100.00

PDF file: bl43a.pdf
PDF file: bl43a.pdf
PLOTfile: bl43a.plt
CRI file: blwsk-ba1.cri

LEGEND - Right Side

LEGEND - Left Side

* LOCATION PLOT *
Dataset: sfg
Ba (ppm)

Data: Ba

Colour Inclusive	Code	Max Exclusive
0.000		500.000
500.000		1000.000
1000.000		2000.000
2000.000		5000.000
5000.000		500000.000

379000E 379500E 380000E 380500E 381000E 381500E 382000E

5357000N 5356500N 5356000N 5355500N 5355000N 5354500N 5354000N 5353500N 5353000N 5352500N 5352000N

95-3716.

Aberfoyle Resources Limited
EXPLORATION DIVISION

REVISIONS			
Init.	Date	Init.	Date

Location Code:

TASMANIA
EL103/87 Basin Lake
1994 Wacker Sampling
Ba (ppm)

Scale: 1 : 5000
Date: 7/03/95

Compiled: RHL
Drawn:
Traced:
Checked:
Plate No.: BL43A

5 cm

809102

PROGRAM: gentry
PROSPECT: lag
PLAN definition:
GRID: AMG
E 378750.0 382250.0
N 5351800.0 5357200.0
RL 500.0 500.0
Forward extent : 1000.0
Backward extent: 1000.0
PDF file: bl44a.pdf
PDF file: bl44a.pif
PLOTfile: BL44A.plt
CRT file: blAG3.cr1

LEGEND - Left Side

= LOCATION PLOT =
Dataset: sfg
As (ppm)

Data: As

Colour	Code
Minimum Inclusive	Maximum Exclusive
0.000	50.000
50.000	75.000
75.000	100.000
100.000	200.000
200.000	5000.000

= POLYGON/STRINGS =
Criteria Item: 1
Extents min: 100.00

Criteria Item: 2
Extents min: 100.00

PDF file: bl44a.pdf
PDF file: bl44a.pif
PLOTfile: BL44A.plt
CRT file: tcmask-6a1.cr1

LEGEND - Left Side

= LOCATION PLOT =
Dataset: sfg
As (ppm)

Data: As

Colour	Code
Minimum Inclusive	Maximum Exclusive
0.000	50.000
50.000	75.000
75.000	100.000
100.000	200.000
200.000	5000.000

379000E 379500E 380000E 380500E 381000E 381500E 382000E

5357000N 5356500N 5356000N 5355500N 5355000N 5354500N 5354000N 5353500N 5353000N 5352500N 5352000N

95-3716.

Aberfoyle Resources Limited
EXPLORATION DIVISION

REVISIONS			
Init.	Date	Init.	Date

Location Code:

TASMANIA
EL103/87 Basin Lake
1994 Wacker Sampling
As (ppm)

Scale: 1 : 5000 | Date: 7/03/95

Compiled: RHL
Drawn:
Traced:
Checked:
Plate No.: BL44A

5cm

803163

380000E

381000E

LEGEND

- × Wacker sample location
- × Anomalous wacker geochemistry
- × Highly altered wacker sample
- • Anomalous soil geochemistry (Goldfields)
- —— Goldfields interpreted EM anomaly
- ——— 25ms IP chargeability high (Goldfields)
- - - - - Localised IP chargeability high (Goldfields)

5355000N

5355000N

EL103/87 BASIN LAKE

EL14/93 LAKE MARGARET (RGC)

00S COSTEAN

FAULT ZONE

ANOMALY 2

4200N PIT

ANOMALY 1

5354000N

5354000N

BL4

17.2m @ 11.3 ppm Ag
inc. 1.7m @ 62 ppm Ag

289m

11m massive pyrite

Sericite-pyrite alteration

386.5m

BL5

N

100m

380000E

381000E

5 cm

809104

95-3716.

Aberfoyle Resources Limited

EXPLORATION DIVISION

REVISIONS			
Init	Date	Init	Date

Location Code

TASMANIA
EL103/87 Basin Lake
WACKER SAMPLING ANOMALIES
LINE 4200N

Scale 1:5000 Date Mar 1995

Compiled	RHL
Drawn	SharpJX-730
Checked	RHL
File Name	misc001h.odr
Plate No.	P 47

PROGRAM: gentry
PROSPECT: img
PLAN definition:
GRID: AMG
E: 378750.0 382250.0
N: 5351800.0 5357200.0
RL: 500.0 500.0
Forward extent: 1000.0
Backward extent: 1000.0
PDF file: bl45a.pdf
PCF file: bl45a.pcf
PLOTfile: BL45A.plt
GRI file: blwk2.cri

LEGEND - Right Side

LEGEND - Left Side

= LOCATION PLOT =
Dataset: nfg
Ti/Zr

Data: Ti/Zr

Colour Minimum Inclusive	Maximum Exclusive	Code
0.000	10.000	
10.000	20.000	
20.000	50.000	
50.000	100.000	
100.000	1000.000	

= POLYGON/STRINGS =
Criteria Item: 1
Extents min: 100.00

Criteria Item: 2
Extents min: 100.00

PDF file: bl45a.pdf
PCF file: bl45a.pcf
PLOTfile: BL45A.plt
GRI file: tcwack-bel.cri

LEGEND - Right Side

LEGEND - Left Side

= LOCATION PLOT =
Dataset: nfg
Ti/Zr

Data: Ti/Zr

Colour Minimum Inclusive	Maximum Exclusive	Code
0.000	10.000	
10.000	20.000	
20.000	50.000	
50.000	100.000	
100.000	1000.000	

379000E 379500E 380000E 380500E 381000E 381500E 382000E

5357000N 5356500N 5356000N 5355500N 5355000N 5354500N 5354000N 5353500N 5353000N 5352500N 5352000N

95-3716

Aberfoyle Resources Limited
EXPLORATION DIVISION

REVISIONS			
Init.	Date	Init.	Date

Location Code:

TASMANIA
EL103/87 Basin Lake
1994 Wacker Sampling
Ti/Zr

Scale: 1 : 5000
Date: 7/03/95

Compiled: RHL
Drawn:
Traced:
Checked:
Plate No.: BL45A

5 cm

809105

PROGRAM: gentry
PROSPECT: img
PLAN definition:
GRID: AMG
E 378750.0 382250.0
N 5351800.0 5357200.0
RL 500.0 500.0
Forward extent 1000.0
Backward extent: 1000.0

PDF file: bl48.pdf
PDF file: bl48.pcf
PLOTfile: BL48.plt
CRI file: blwk2.cri

LEGEND - Right Side

LEGEND - Left Side

* LOCATION PLOT *
Dataset: nfg
Sample Type
+
Data: FL/OC
Ascii Colour Code Legend
BLOW
WOCK
WWLK

* POLYGON/STRINGS *
Criteria Item: 1
Extents size: 100.00

Criteria Item: 2
Extents size: 100.00

PDF file: bl48.pdf
PDF file: bl48.pcf
PLOTfile: BL48.plt
CRI file: tovash-bl1.cri

LEGEND - Right Side

LEGEND - Left Side

* LOCATION PLOT *
Dataset: nfg
Sample Type
+
Data: FL/OC
Ascii Colour Code Legend
BLOW
WOCK
WWLK

379000E 379500E 380000E 380500E 381000E 381500E 382000E

5357000N 5356500N 5356000N 5355500N 5355000N 5354500N 5354000N 5353500N 5353000N 5352500N 5352000N

95-3716.

Aberfoyle Resources Limited
EXPLORATION DIVISION

REVISIONS			
Init.	Date	Init.	Date

TASMANIA
EL103/87 Basin Lake
1994 Wacker Sampling
Bedrock Penetration

Location Code:
Scale: 1 : 5000
Date: 7/03/95

Compiled: RHL
Drawn:
Traced:
Checked:
Plate No.: BL48

5 cm

809186

PROGRAM: gentry
PROSPECT: isg
PLAN definition:
GRID: AMG
E 378750.0 382250.0
N 5351800.0 5357200.0
RL 500.0 500.0

Forward extent : 1000.0
Backward extent: 1000.0

PDF file: bl46a.pdf
PDF file: bl46a.pcf
PLOTfile: BL46A.plt
CRI file: blwk2.cri

LEGEND - Right Side

LEGEND - Left Side

* LOCATION PLOT *
Dataset: nfg
P205/T102

Data: PO/TIO
Colour Code
Minimum Maximum
Inclusive Exclusive
0.000 0.400
9.400 4.000

* POLYGON/STRING *
Criteria Item: 1
Extents size: 100.00

Criteria Item: 2
Extents size: 100.00

PDF file: bl46a.pdf
PDF file: bl46a.pcf
PLOTfile: BL46A.plt
CRI file: tcwack-bs1.cri

LEGEND - Right Side

LEGEND - Left Side

* LOCATION PLOT *
Dataset: nfg
P205/T102

Data: PO/TIO
Colour Code
Minimum Maximum
Inclusive Exclusive
0.000 0.400
0.400 4.000

379000E 379500E 380000E 380500E 381000E 381500E 382000E

5357000N 5356500N 5356000N 5355500N 5355000N 5354500N 5354000N 5353500N 5353000N 5352500N 5352000N

95-3716.

Aberfoyle Resources Limited
EXPLORATION DIVISION

REVISIONS				TASMANIA	Compiled: RHL
Init.	Date	Init.	Date	EL103/87 Basin Lake	Drawn:
				1994 Wacker Sampling	Traced:
				P205/T102	Checked:
Location Code:				Scale: 1 : 5000 Date: 7/03/95	Plate No.: BL46A

5 cm

809107

370000 mE

145°32'

145°33'

145°34'

145°35'

383000 mE

5361000 mN

41°54'

60

59

41°55'

58

57

41°56'

56

55

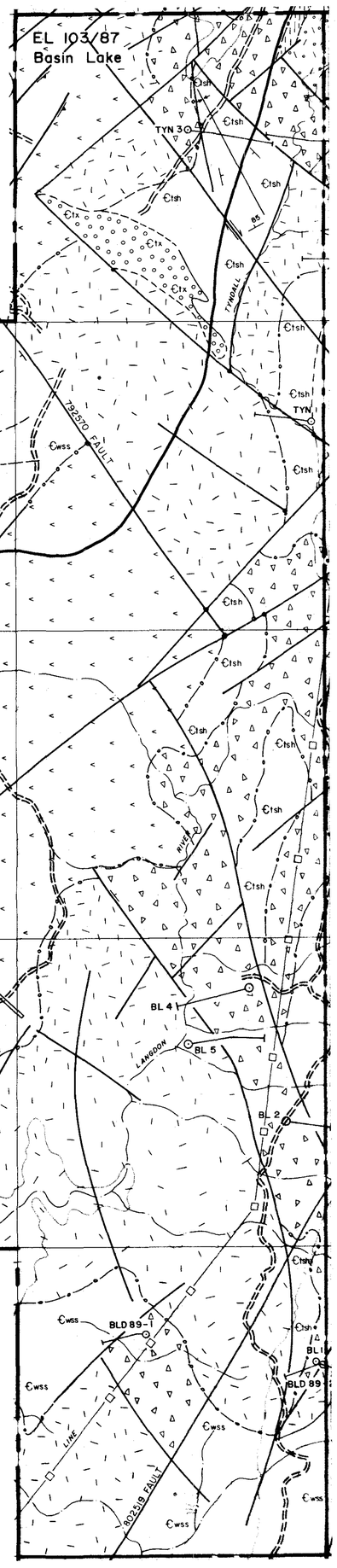
41°57'

54

53

41°58'

5352000 mN



Owen Conglomerate

€Oc 17

TYNDALL GROUP

€tss 30 — Upper Tyndall Group: Interbedded sandstone/siltstone volcaniclastics with minor rhyolitic breccia volcaniclastics.

€t 22 — Middle Tyndall Group: Rhyolitic/Dacitic volcanic debris flow units with interbedded crystal rich sandstones and occasional rhyolite intrusion.

€tm 24 — Middle Tyndall Group: Magnetically distinct unit consisting of interbedded, volcaniclastic breccias/sandstones of rhyolitic-dacitic composition with distinctive banded nature.

€tct 25 — Lower Tyndall Group: Howards Tuff or Comstock Tuff equivalent. Banded carbonate haematite altered ash units.

€tsh 68 / €tad 27 / €tx 28 — Lower Tyndall Group: €tad Polymitic lithic volcanic debris flow breccias with interbedded finer grained crystal rich volcaniclastics. Dacitic to Andesitic in composition. : €tsh Black laminated shale. : €tx Feldspathic - Quartz Crystal Supported Unit.

€trl 26 — Tyndall Group Intrusive: Massive pink grey quartz feldspar rhyolite lava.

ANTHONY ROAD ANDESITE (ARA)

€cvam 46 — Massive green pink hornblende feldspar phyric andesitic-lava with distinct magnetite. Minor andesitic shallow level intrusives.

€cvan 48 — Green grey feldspar phyric ± hornblende lava/breccia with interbedded epiclastics. Absence of magnetite.

€cvd 51 — Intrusive (?) hornblende feldspar phyric pink columnar jointed massive dacite/andesite. Magnetically discrete unit.

CENTRAL VOLCANIC COMPLEX (CVC)

€cfl 52 — Undifferentiated rhyolite/dacite lavas and volcaniclastics.

€cd 62 — Grey green feldspar phyric dacite lava.

WESTERN SEDIMENTARY SEQUENCE (WSS)

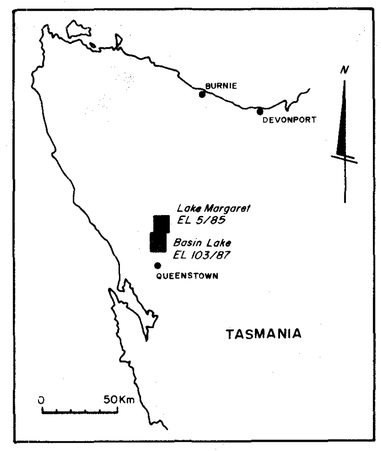
€wss 69 — Sandstones/siltstones and crystal rich lithic breccias with interbedded shales.

CVC/WSS INTRUSIVES

€vp 58 — Cream feldspar quartz rhyolitic porphyry.

6 — Local hydrothermal alteration.

- Bedding
- Mapped Geological Contact
- Thrust Fault
- Mapped Fault
- Regional Aeromagnetic Linear
- Helimagnetic Inferred Lithological Boundary
- Old Workings
- Alteration Zone
- DEM/Magnetic Inferred Structural Zones



5 cm

0 809108 1Km

95-3716.

Aberfoyle Resources Limited
EXPLORATION DIVISION

REVISIONS			
Init	Date	Init	Date
RS/ms	8-9-93		
RS/ms	2-11-93		
RS/ms	6-11-93		

Location Code K55/5

NORTHWEST TASMANIA
ANTHONY BASIN
GEOMAGNETIC INTERPRETATION

Scale 1:10 000 | Date AUGUST 1993

Compiled : RS
Drawn : RS
Traced : NB
Checked :
Plate No. BL31

PROGRAM: gentry
PROSPECT: lmg
PLAN definition:
GRID: AMG
SE 379790.0 382250.0
NW 5361600.0 5357200.0
HI: 500.0 500.0
Forward extent: 1000.0
Backward extent: 1000.0
PDF file: blkblank.pdf
PCF file: blkblank.pcf
PLOTfile: lmg007.plt
CNT file: blk2.cn1

LEGEND - Right Side

LEGEND - Left Side

379000E 379500E 380000E 380500E 381000E 381500E 382000E

5357000N 5356500N 5356000N 5355500N 5355000N 5354500N 5354000N 5353500N 5353000N 5352500N 5352000N

E.L.5/85 LAKE MARGARET
E.L.14/93 LAKE MARGARET (RGC)

TYNDALL CREEK GRID

100E 200E 300E 400E 500E 600E 700E 800E 900E

56800N 56600N 56400N 56200N 56000N

380500E 380200E

E.L.11/85 YOLANDE (PASMINCO)
E.L. 103/87 BASIN LAKE

ROAD

55800N 55600N 55400N 55200N 55000N 54800N 54600N 54400N 54200N 54000N 53800N 53600N 53400N 53200N 53000N 52900N 52800N 52700N 52600N 52400N 52200N 51800N

547

Tyndall Creek

ANTHONY

500 600 700 800 900 1000 1100

1075 • WHITAM BLUFF

WHITAM FALLS

LAKE LANGDON

RIVER

LEECH HILL

LANGDON

TRANSMISSION LINE

MOUNT GEIKIE 1193

380200E 380600E 381400E

5 cm

E.L. 103/87 BASIN LAKE
E.L. 14/93 LAKE MARGARET (RGC)
E.L.14/93 LAKE MARGARET (RGC)
E.L.65/94 LAKE MARGARET (RGC)

BURNIE
BASIN LAKE E.L. 103/87
Queenstown
TASMANIA
0 50Km

GRIDDING
BILLITON 1989-90
ABERFOYLE 1990-91 (UTEM)
ABERFOYLE 1994 (WACKER)

Aberfoyle Resources Limited
EXPLORATION DIVISION

REVISIONS			
Init	Date	Init	Date
Location Code			

TASMANIA
EL103/87 Basin Lake
GRIDDING

Scale 1 : 5000 Date: 20/03/95

Compiled: RHL
Drawn: DHS
Traced: JLR
Checked: RHL
Plate No.: BL50

95-3719

95-3716

95-3716

Aberfoyle Resources Limited

EXPLORATION DIVISION

TASMANIA

EL 103/87 Basin Lake

OUTCROP GEOLOGY

REVISIONS					
date	init.	date	init.		

drawn: RHL

proj: DIGS

trace: JLR

check: RHL

date: 20/03/85

scale: 1: 5000

plate no.: EL 51

E.L. 5/85 LAKE MARGARET
E.L. 14/93 LAKE MARGARET (RGC)

E.L. 14/93 LAKE MARGARET (RGC)
E.L. 65/94 LAKE MARGARET (RGC)

E.L. 11/85 YOLANDE (PASMINCO)
E.L. 103/87 BASIN LAKE

E.L. 103/87 BASIN LAKE
E.L. 14/93 LAKE MARGARET (RGC)

BASIN LAKE
E.L. 103/87
Diamond holes

TASMANIA

BURNIE

HOBART

LAKE LANDON

LETCH HILL

MOUNT GELL

WHITE TABLE RANGE

SANDSTONE RIDGE

5357000N
5356500N
5356000N
5355500N
5355000N
5354500N
5354000N
5353500N
5353000N
5352500N
5352000N

379500E
380000E
380500E
381000E
381500E
382000E

LEGEND - Right Side

LEGEND - Left Side