

Aberfoyle Resources Limited

EXPLORATION DIVISION
ACN 004 664 108

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EXPLORATION LICENCE 103/87

BASIN LAKE

TASMANIA

Progress Report for the Period

March 1995 - March 1996

VOLUME 1 OF 1

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96-3855

PROGRESS REPORT 1995-96 BASIN LAKE EL
103/87 ABERFOYLE RICHARDSON S M

- Burnie (1/5)
- Melbourne (2/5)
- Townsville (3/5)
- lbourne (4/5)
- ources Tas (5/5)

LIST OF CONTENTS

	Page No
1.0 SUMMARY	1
2.0 INTRODUCTION	2
3.0 PREVIOUS EXPLORATION	3
4.0 LANGDON PYRITE ZONE PROSPECT	4
4.1 INTRODUCTION	4
4.2 DDH BL 6	6
4.2.1 Introduction	6
4.2.2 Geology	6
4.2.3 Geochemistry	8
4.2.4 Geophysics	11
4.3 DDH BL 7	11
4.3.1 Introduction	11
4.3.2 Geology	12
4.3.3 Geochemistry	14
4.3.4 Geophysics	15
5.0 CONCLUSIONS	16
6.0 REFERENCES	17

LIST OF FIGURES

1	Plate BL19:	EL 103/87 Basin Lake Location
2	Plate C_BSL7	EL 103/87 Basin Lake Summary Plan
3	Plate C_BSL2B	Basin Lake : Langdon Pyrite Zone - Geochemical Anomalies

PLATES

<u>Plate</u>	<u>Scale</u>	<u>Title</u>
BL 61	1:5000	EL 103/87 Basin Lake - Interpretive Geology
BL 65	1:1000	Geochemical Profiles - DDH BL 6
BL 66	1:1000	Geochemical Profiles - DDH BL 6
BL 67	1:1000	Geochemical Profiles - DDH BL 6 Cut Zone
BL 68	1:1000	Cross Section 5354175N - DDH's BL 6 & BL 7
BL 69	1:1000	Geochemical Profiles - DDH BL 7
BL 70	1:1000	Geochemical Profiles - DDH BL 7

APPENDICES

I	DDH BL 6	- Geological log and petrological descriptions
II	DDH BL 6	- Core grind geochemistry - assay results
III	DDH BL 6	- Split core geochemistry - assay results
IV	DDH BL 6	- Downhole EM - survey results
V	DDH BL 7	- Geological log and petrological descriptions
VI	DDH BL 7	- Core grind geochemistry - assay results
VII	DDH BL 7	- Downhole EM - survey results

1.0 SUMMARY

Exploration during the current reporting period has focussed on diamond drill testing of the Langdon Pyrite Zone prospect. Two holes have been completed for 1210.3 metres.

The first hole (BL 6) was to test a structural / stratigraphic target in an area of favourable Wacker bedrock geochemistry. Although the targeted Lower Tyndall Group stratigraphy was not present, an intense footwall style alteration zone containing anomalous copper and gold was intersected. An incomplete downhole EM survey of the hole indicated a strong conductor downdip from the alteration zone, about 150 metres below the hole.

The second hole (BL 7) targeted the source of the downhole EM anomaly. No conductor or alteration was intersected and at the time of writing the results of this hole are being interpreted.

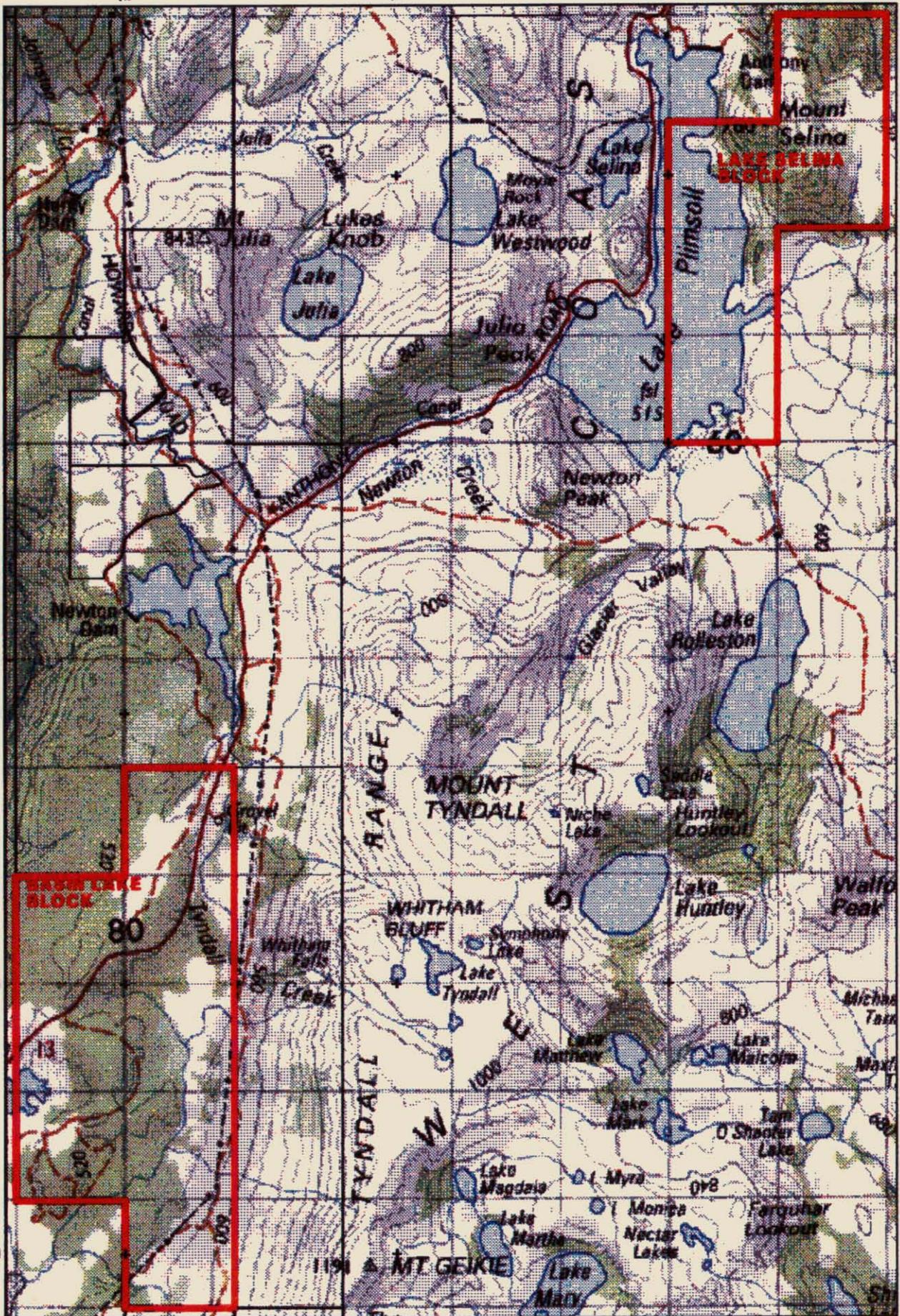
2.0 INTRODUCTION

EL 103/87 Basin Lake, north of Queenstown, covers an area of 13 square kilometres in two parts known as the Lake Selina (5 sq. km.) and Basin Lake (8 sq. km.) blocks; Figure 1.

EL 103/87 was granted to the Shell Company of Australia on 21 April, 1988. Since June, 1991 exploration has been managed and funded by Aberfoyle under the terms of the Basin Lake joint venture with Acacia Resources.

EL 103/87 was reduced from 26 to 13 sq. km. on 21 April, 1993 in accordance with statutory requirements.

The following report documents exploration on the Basin Lake block of EL 103/87 for the period March, 1995 to March, 1996.



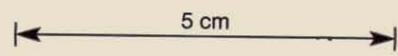
ABERFOYLE RESOURCES LIMITED
EXPLORATION DIVISION

REVISIONS			
No.	Date	By	Notes

TASMANIA
EL 105/87 BASIN LAKE

LOCALITY PLAN
Algorithm: BL19
Scale: 1:5000
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3.0 PREVIOUS EXPLORATION

Modern exploration of the area now covered by EL 103/87 has been undertaken by RGC, Billiton and Aberfoyle. A full description of work undertaken since 1966 can be found in Lewis, 1995.

During 1994-95 work by Aberfoyle focussed on exploration of the Lower Tyndall Group (LTG) on the Basin Lake block of EL 103/87. A Wacker sampling programme attempted to sample the LTG through glacial cover. The aim was to define the extent of prospective stratigraphy and delineate geochemical anomalies as an aid in targeting deep drill holes below surface EM penetration.

Several anomalous areas were defined and these were described in the last annual report. One geochemically anomalous zone was defined in a geologically and structurally favourable location. The area is referred to as the Langdon Pyrite Zone prospect and was the focus of exploration during 1995-96.

4.0 LANGDON PYRITE ZONE PROSPECT

4.1 Introduction

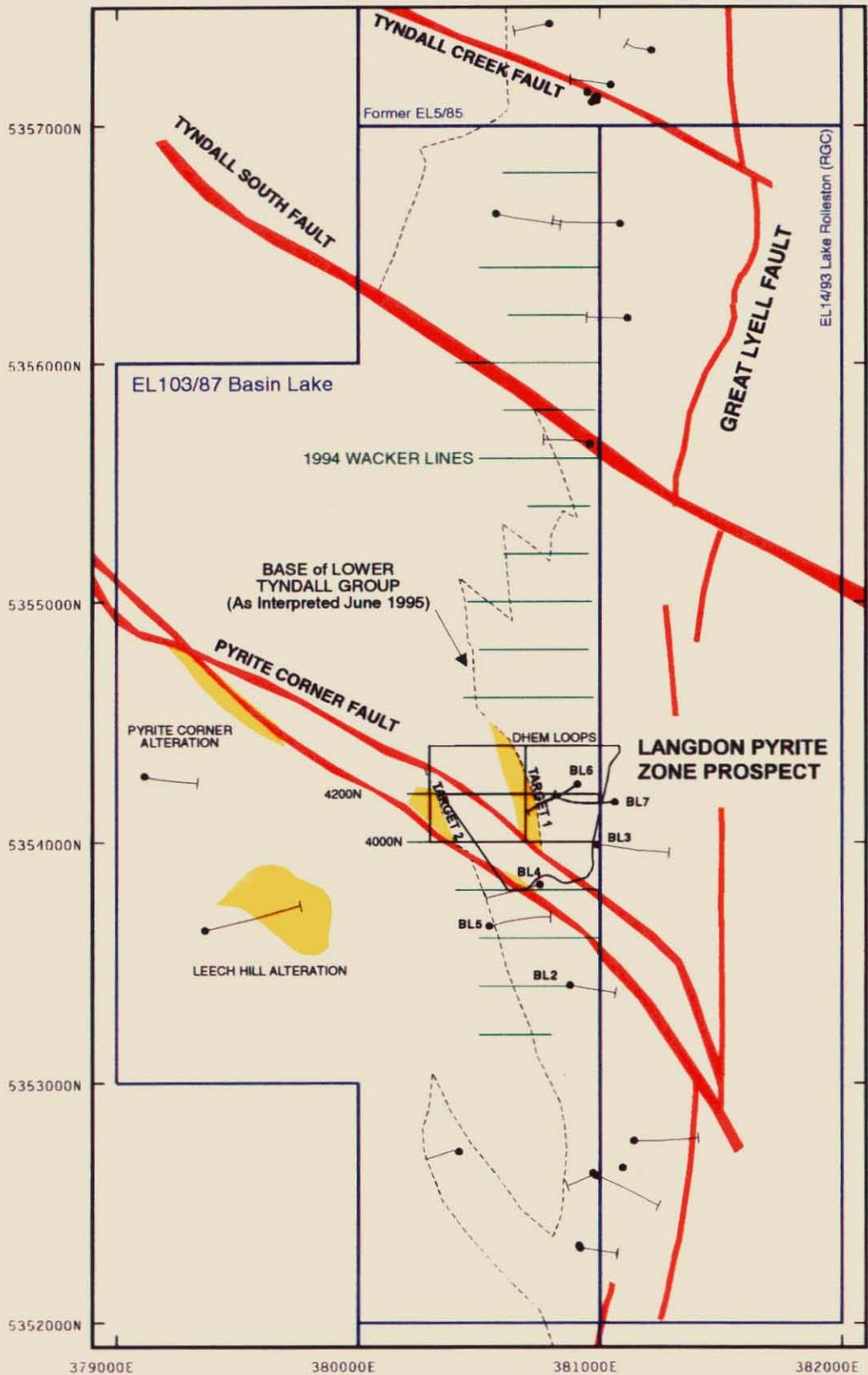
The Basin Lake area comprises a N-S belt of lava dominated Anthony Road Andesite (ARA) which interfingers to the west with Western Volcano-sedimentary Sequence shales, sandstones and volcanoclastics. ARA is overlain to the east by polymict andesitic mass flow breccias and shale dominated epiclastics of the Lower Tyndall Group (LTG). The LTG is locally haematite - carbonate altered towards the top and overlain by albite - silica - chlorite altered rhyolitic pumice breccias and crystal rich sandstones of the Middle Tyndall Group (MTG).

The Langdon Pyrite Zone Prospect is defined by the intersection of the Pyrite Corner Fault with LTG stratigraphy ; Figure 2. The Pyrite Corner Fault is a large and complex WNW trending fault zone with the following evidence for Cambrian activity:

- 1) It is the focus of pyritic alteration and anomalous ARA copper geochemistry known to extend from "Pyrite Corner" on the Anthony Road through to the Langdon Pyrite Zone Prospect.
- 2) Facies variation at the base of the LTG from shale dominated in the south to volcanoclastic dominated in the north.
- 3) The fault marks the approximate boundary between magnetic ARA on its southern side and poorly magnetic to the north; suggesting a compositional change on either side.

The Pyrite Corner Fault is interpreted to show dextral reactivation probably during the Devonian.

EL103/87 BASIN LAKE SUMMARY PLAN



 HYDROTHERMAL ALTERATION

 DIAMOND DRILL HOLE

 MAJOR FAULT

Figure 2

5 cm

Wacker sampling completed in 1994 identified two geochemically anomalous zones in the prospect area on lines 4000N and 4200N; Lewis, 1995. These are shown on Figure 3. Maximum values of 0.34%Cu, 1062ppm Pb, 1246ppm Zn, 13ppm Ag and .068ppm Au are reported from different samples. These values are associated with moderate to intense sericite - silica - pyrite altered volcanics. Anomalous geochemistry, copper in particular, extends along the Pyrite Corner Fault Zone and laterally along strike to the north.

Compilation of data in the prospect area suggested that 11 metres of strongly sheared massive pyrite intersected by hole BL 4 (RGC) is a structurally dislocated lateral facies equivalent of a thick shale unit intersected in hole BL 5 (RGC) and the base of BL 4. This stratigraphic level, the base of the LTG, is offset in a dextral sense by the Pyrite Corner Fault Zone.

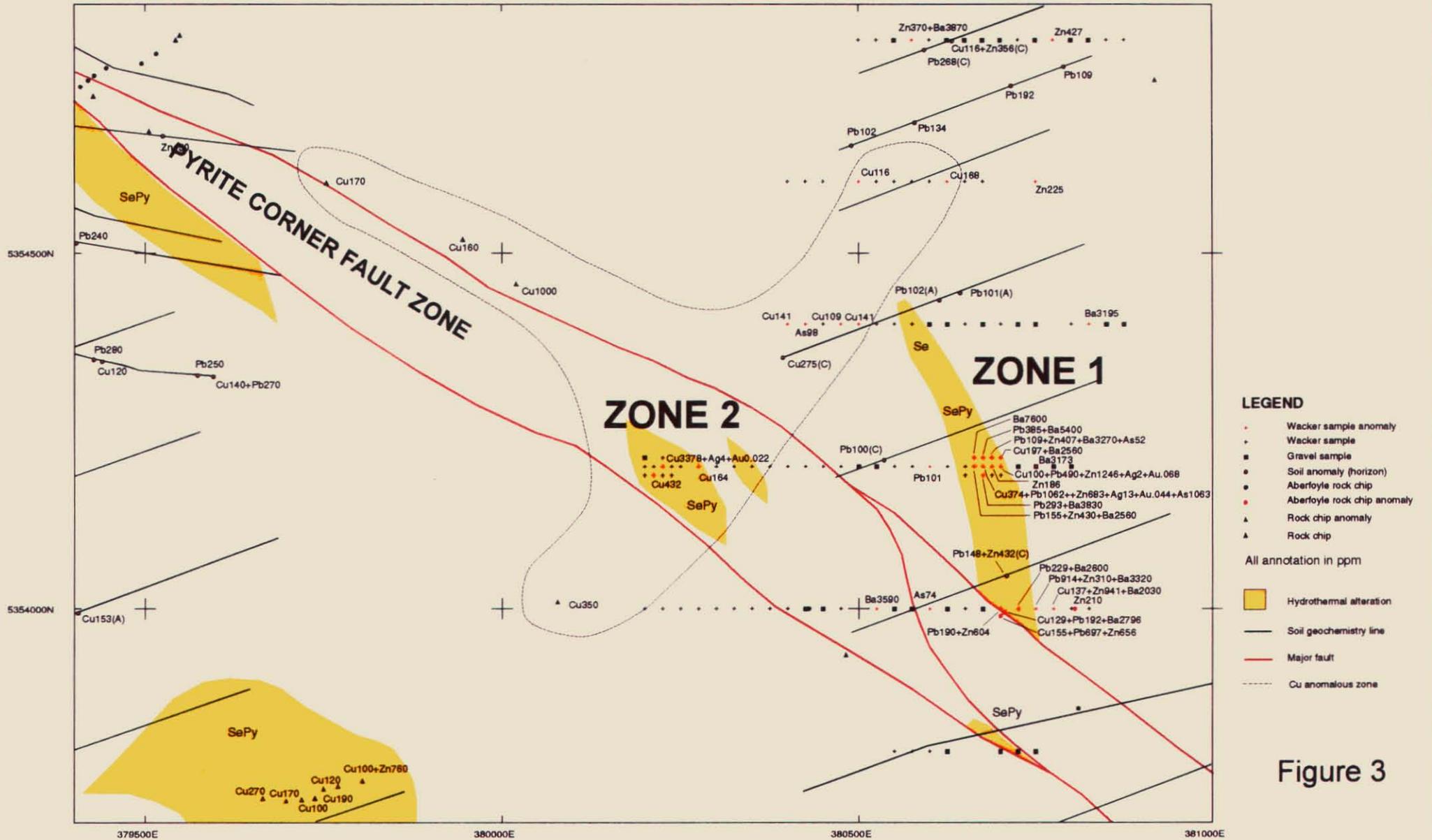
The Wacker geochemical anomaly extending from line 4000N to 4200N (Zone 1 on Figure 3) was interpreted as the distal part of a footwall alteration system, structurally offset from the Zone 2 anomaly.

Two drill targets were proposed for testing:

- 1) A geochemical target with coincident IP response downdip from the 4200N Wacker anomaly. This was interpreted at the time to be the base of The LTG.
- and
- 2) A geological target downdip and along strike to the NW of the massive pyrite intersected in BL 4, within the Pyrite Corner Fault Zone.

Both of these targets were to be tested by the one hole, DDH BL 6.

BASIN LAKE: LANGDON PYRITE ZONE - GEOCHEMICAL ANOMALIES



4.2 DDH BL 6

4.2.1 Introduction

DDH BL6 was collared on 26-7-95 and completed on 8-10-95 at 510.6 metres. Collar location is at AMG 5354240.1N, 380912.4E, 538.1RL.

Drilling conditions in BL6 were poor in weathered broken andesite lava encountered beneath the glacial cover. The HQ rod string became bogged at 90 metres and sand from this part of the hole eventually bogged the NQ string at 196m whilst pulling back from 304m. Consequently the section below 304m was drilled in BQ. Ultimately deviation in BQ became sufficient to cause the hole to become very tight. Rods began to break and BL 6 was abandoned at 510.6m. This was well short of the second proposed target which was therefore not tested.

4.2.2 Geology

A detailed log and petrological descriptions are attached as Appendix I, whilst a cross section is included as Plate BL 68. A summary log is as follows:

0	-	16m	Glacial gravel and boulders
16	-	53.1m	Clay and weathered andesite
53.1	-	263.4m	Feldspar-hornblende phyric andesite lava
263.4	-	301m	Polymict andesitic lapilli volcanoclastic with clasts? and bands of grey to pink haematitic carbonate. Weak haematite alteration
301	-	338m	Andesitic lapilli volcanoclastic

- 338 - 338.8m Polymict lapilli epiclastic?
- 338.8 - 349.5m Foliated silica-sericite-pyrite rock - local
chalcopyrite veins + dissem.
- 349.5 - 351.4m Quartz phyric rhyolite lava / intrusive
- 351.4 - 359.1m Andesitic volcanoclastic?
- 359.1 - 391.7m Foliated silica-sericite-pyrite rock - common
quartz phenocrysts
- 391.7 - 451.8m Andesitic lapilli volcanoclastic- moderate sericite -
chlorite - epidote - haematite alteration
- 451.8 - 510.6m Quartz phyric andesite lapilli volcanoclastic -
weak to moderate sericite
pyrite alteration.

BL 6 was planned to collar within LTG volcanoclastics but instead collared into typical feldspar - hornblende phyric Anthony Road Andesite lava. Indeed the entire sequence is hornblende phyric and interpreted as part of the ARA. Underlying typical massive ARA at 263.4 metres is a sequence of polymict andesitic volcanoclastics that are distinctive in that they contain abundant fragments and bands of banded grey to pink haematitic carbonate. The fragments have the appearance of clasts but can sometimes be seen to contain what appear to be remnant phenocrysts suggesting that carbonate may have replaced andesite lava. Disseminated and patchy haematite is associated with this zone which extends to 301 metres. Included within this unit is a single 15cm massive barite vein at 285 metres.

Underlying the polymict units is an interval of monomict andesitic volcanoclastic and lava which persists to the top of what has been interpreted as a thin polymict epiclastic. This in turn overlies a zone of intense footwall style silica - sericite - pyrite ± chalcopyrite alteration which is locally prominently quartz phyric.

The edges of the alteration are sharp being marked by the epiclastic? on the east and a fault on the west at 391.7 metres. Within the alteration zone is a small interval of cream coloured quartz phytic lava interpreted as a dyke and an interval of less altered andesitic material from 351.4 to 359.1 metres. The alteration zone is strongly foliated with cleavage at 30 degrees to the core axis but this fabric could not be oriented.

Intense footwall style alteration intersected by BL 6 is correlated with strongly altered rocks exposed at surface in a pit at 4200N 0690E and in Wacker samples from Zone 1 on Figure 2. Together they suggest a steeply east dipping zone of alteration.

Andesitic volcanoclastics on the western side of the alteration zone are moderately sericite - chlorite - epidote - haematite altered to 451.8m. Below this point they are weak to moderately sericite - chlorite - pyrite altered.

It was intended to continue BL 6 across the Pyrite Corner Fault Zone to test target stratigraphy within the fault. However, severe deviation in the BQ rod string caused drill rods to begin to break and the hole had to be abandoned at 510.6 metres.

4.2.3 Geochemistry

Eighty core grind samples covering the length of BL 6 were submitted for assay. Samples were analysed for whole rock major elements and Cu, Pb, Zn, Ag, Au, Ba, As, Cr and Zr. Assay results are attached as Appendix II and as element histograms on Plates BL 65 and BL 66.

After anomalous base metals were returned from the main alteration zone, intervals from 325.3 to 350 metres and 370 to 380 metres were split and half core samples of much smaller intervals, were submitted for assay. These samples were analysed for Cu, Pb, Zn, Ag and Au. Results from this sampling are attached as Appendix III and as Plate BL 67.

Anomalous base metals are clearly associated with pyritic alteration. The zone of most intense alteration between 338 and 391.7 metres is locally copper rich, reflecting observed veins and disseminations of chalcopyrite. Best intervals are 2.1m @ 0.56% Cu, 310ppm Pb, 102ppm Zn and 7.4ppm Ag between 342.2 and 344.3m and 2.0m @ 0.17% Cu, 127ppm Pb, 140ppm Zn and 1ppm Ag between 371.3 and 373.3m (split core). Although not as strongly mineralised in lead and zinc, this intense alteration returns values that are elevated compared to the surrounding andesite. Maximum values of 0.23% Pb and 0.59% Zn were returned over narrow intervals (separate split core samples).

Elevated lead and copper values of around 150-450ppm Pb and 150-300ppm Cu are associated with the eastern margin of the main alteration zone. These values appear to reflect weak pyritic veining with minor galena and chalcopyrite.

The second but much weaker zone of pyritic alteration below 451.8m is anomalous in Pb and Zn returning up to 0.65% Zn and 811ppm Pb from a 0.6m sample. Copper is not elevated within this alteration in contrast to the more intense alteration higher up the hole. A single sample from 184 to 199 metres returned anomalous lead and silver due to the inclusion of a single 10cm wide galena - chalcopyrite - pyrite vein below 193.4 metres.

Silver and gold values are generally at or below their detection limits of 2 and 0.008ppm respectively; except within the main alteration zone between 338 and 391.7 metres. Here there is a clear association of silver and gold with copper. Silver returns a maximum of 14ppm and gold a maximum of 1.3ppm from a single 0.5 metre sample.

The main alteration zone is depleted in Na_2O , CaO and MgO and enriched in K_2O reflecting the intensity of sericitic alteration. Alteration indices ($\text{K}_2\text{O}+\text{MgO}/\text{K}_2\text{O}+\text{MgO}+\text{CaO}+\text{Na}_2\text{O}$) are consequently in the nineties and indicative of intense footwall style. The zone of pyritic alteration at the bottom of the hole is only weakly Ca depleted and has low alteration indices. High CaO of up to 27.5% in the polymict volcanoclastics east of the alteration zone reflect the fragments and bands of carbonate.

Ti/Zr ratios are relatively constant and around 20 over the length of BL 6. They are consistent with the entire hole having drilled the Anthony Road Andesite. Cr does show some variation with the massive and pyritic altered andesite having very low values of around 40ppm whilst the haematite altered polymict volcanoclastics to the east and the haematite altered andesite to the west of the main alteration zone show Cr values of around 120-150ppm. Whether these haematitic sequences are related, possibly by faulting, is unknown.

4.2.4 Geophysics

Drilling difficulties resulted in bogging of the HQ and NQ rod strings so that they could not be removed for probing with downhole EM. An attempt was made to case the bottom part of BL 6 with PVC but this failed and resulted in blocking the hole below 380 metres. Consequently only 230 to 360 metres was read with downhole EM and this was done in an open hole.

A three loop survey was conducted using Aberfoyles Zonge system. Loop locations and survey results are included as Appendix IV.

An off hole response was detected. Computer modelling of the response placed the conductive source about 150 metres below BL 6 in a position which was interpreted to be downdip from the intersected intense footwall style alteration. The conductivity - thickness product of the response is in the range that could be attributed to a massive sulphide accumulation.

4.3 DDH BL 7

4.3.1 Introduction

BL 7 was designed to test the downhole EM response detected in BL 6. The hole was collared on 7-12-95 and completed on 30-1-96 at 699.7 metres. Collar location is at AMG 5354174.4N 381034.0E 555.0 RL.

Glacial deposits at the top of BL 7 were very difficult to penetrate. However, once cased off the hole was completed without difficulty.

4.3.2 Geology

A detailed log and petrological descriptions are attached as Appendix V and a cross section of BL 7 is shown on Plate BL 68.

A summary log is as follows:

0	- 25.0m	Glacial gravels and boulders
25.0	- 77.8m	Clay and weathered andesite
77.8	- 606.0m	Feldspar ± hornblende phyric andesite lava and minor volcanoclastic
606.0	- 666.6m	Strong carbonate altered feldspar ± hornblende phyric andesite lava And breccia with stockworks and bands of haematitic carbonate at low angle to core axis
666.6	- 699.7m	Weak to moderate sericite - chlorite - pyrite altered andesite lava? - pyrite 1-5% as disseminations

Geology intersected by BL 7 is similar to BL 6 above the alteration zone. The bulk of the hole intersected typical feldspar hornblende phyric Anthony Road Andesite. This confirms the original interpretation (upon which BL 6 was proposed) that the base of the LTG lies at the top of the Zone 1 alteration, was incorrect and that it in fact lies to the east of BL 6 and BL 7.

The carbonate rich interval between 606 and 667 metres is interpreted as a correlate of the polymict andesitic volcanoclastic containing fragments and bands of haematitic carbonate in BL 6. However, in BL 7 the host is not polymict but merely andesite lava and breccia that is locally intensely stockworked by carbonate.

Associated with this interval is locally intense shearing. The significance of this carbonate is not understood at present but it may represent sheared hangingwall style alteration as seen above Hellyer. A downhole orientation of banded carbonate at 643 metres showed that the banding in the carbonate and the foliation in the andesite dips very steeply to 195 degrees AMG. This was unexpected as cleavage within rocks at surface strikes N-S. It may indicate the downhole fabric is related to the Pyrite Corner Fault Zone.

Beneath the carbonate zone moderately sericite - chlorite - pyrite altered andesite was intersected. These rocks are similar to the weakly pyritic andesite in the base of BL 6.

It was expected the targeted alteration zone and downhole EM conductor would be intersected around 600 metres; based on extrapolation of the alteration zone downdip, from surface through BL 6. Instead the carbonate zone when correlated with carbonates in BL 6 suggested subvertical stratigraphy. When combined with the steepness of the drill hole this indicated a much deeper hole than planned would be needed to reach the target alteration zone. It was therefore decided to temporarily stop BL 7 and probe the hole with downhole EM to verify the location of the downhole conductor. It would then be decided whether to drill on or wedge off to intersect the target at a higher RL.

4.3.3 Geochemistry

Sixty six core grind samples covering the length of BL 7 were submitted for assay. Samples were analysed for whole rock major elements and Cu, Pb, Zn, Ag, Au, Ba, As, Cr and Zr. Assay results are attached as Appendix VI and as element histograms on Plates BL 69 and BL 70.

Zinc values returned from the massive feldspar - hornblende pyritic andesite lava from the top of the hole, to around 370 metres, are consistently higher than those from the same unit in BL 6; although this section of ARA is presumably stratigraphically higher than drilled by BL 6. No mineralisation was logged which could account these anomalous values. Best interval is 64.7m @ 0.14% Zn between 259.3 and 324.0 metres. Elevated lead is generally not associated with this zone except around 100 metres where the interval, open uphole, from 107 to 136.5 metres averaged 0.12% Pb, in an area where rare veinlets of galena and chalcopyrite were recorded.

Lead is generally low except for the interval at the top of the hole but again increases in pyritic altered andesite at the bottom of the hole where values around 200 ppm were returned. Zinc values do not increase within the pyritic alteration. Copper values are generally low throughout, around 50 ppm, with a maximum of 360 ppm in intensely carbonate altered andesite.

Silver and gold values are generally below or around their detection limits of 2 ppm and 0.008 ppm respectively.

Pyritic alteration at the bottom of BL 7 does not show significant Na or Ca depletion, consistent with its moderate intensity. The interval of intense carbonate bands, stockworking and alteration below 606 metres returned CaO contents of around 40%.

Ti/Zr ratios are around 20 throughout the hole consistent with BL 6 and classification of all units as Anthony Road Andesite. As in BL 6 Cr values increase from around 50 ppm in "unaltered" ARA to around 100-150 ppm in intensely carbonate ± haematite altered material.

4.3.4 Geophysics

A three loop downhole EM survey was conducted in BL 7, in an open hole, below the HQ casing. Loop locations and survey results are included as Appendix VII.

Although a response from the targeted conductor is still evident, the source is not close to BL 7. At the time of writing the BL 6 and BL 7 downhole EM results are being reinterpreted. Results from this reinterpretation will be presented in the next annual report.

5.0 CONCLUSIONS

The Langdon Pyrite Zone prospect remains the focus of exploration on EL 103/87 Basin Lake. The second BL 6 target, within the Pyrite Corner Fault Zone, was not tested and remains valid. In addition, the downhole EM conductor detected by BL 6 has not been explained and could represent a massive sulphide body within the upper part of the Anthony Road Andesite.

It is proposed to finalise reinterpretation of the downhole EM data from BL 6 and BL 7 before proposing further drilling of both these targets during 1996.

6.0 REFERENCES

Lewis, R., 1995 Basin Lake EL 103/87. Technical Progress Report for the Period April, 1994 - March 1995. Aberfoyle Resources Ltd. Unpub. Report.

APPENDIX I

DRILL HOLE RECORD

Aberfoyle Resources Limited

EXPLORATION DIVISION

HOLE NAME: BL-006
WORK PROPOSAL: WP305/96

HOLE DETAILS		COMMENTS	ADDITIONAL DATA	COLLAR DETAILS	
COMPANY	ABEX	OBJECTIVE Designed to test two geological targets at the basal Lower Tyndall Group position, where repeated by faulting close to the Pyrite Corner Fault.	DIGITAL DATA* HVYCGP	AMG EAST (m)	380912.4
LICENCE	EL103/87		GEOPHYSICAL DATA** DM	AMG NORTH (m)	5354240
LOCALITY	Langdon Pyrite Zone	RESULT The hole intersected moderate to strong footwall style sericite-pyrite alteration with anomalous base metal geochemistry at the inferred target position. Drilling problems prevented the hole from reaching the second target.	GEOPHYSICS: A 3 loop DHEM survey was completed with an offhole conductor detected and modelled at 150m below the hole.	RL (m)	538.1
STARTED	28-Jul-95			COLLAR DEPTH (m)	0
COMPLETED	08-Oct-95	COMMENT Cemented steel casing and problems with PVC placement restricted DHEM survey to 200-370m interval. Hole is blocked below 360m due to broken and collapsed PVC.		DIP	-70.1
DESIGNED BY	RHL			AZIMUTH (amg)	238.8
LOGGED BY	RDH			AZIMUTH (grid)	
DRILLED BY	ALMAC Drilling			LOCAL GRID	
DRILL RIG	Longyear 44			GRID EAST	
HOLE DEPTH	510.6			GRID NORTH	

CASING				HOLE SIZE			SURVEY DATA					SUMMARY GEOLOGY												
FROM	TO	TYPE	ID (mm)	FROM	TO	SIZE	DEPTH	DIP	AMG AZ	GRID AZ	INSTRUMENT	DEPTH	DIP	AMG AZ	GRID AZ	INSTRUMENT	FROM	TO	UNIT	DESCRIPTION				
52	69	HQ	78	0	19.2	HW	0.0	-70.1	238.8		theodolite						0	15	Qg	Glacial gravels				
84	196	NQ	60	19.2	90.6	HQ	25.0	-70.0	238.0		eastman						15	262		Feldspar-hornblende phytic andesite lava				
				90.6	304	NQ	50.0	-69.8	237.0		eastman							262	304		Feldspar phytic andesite lava with fragments and lenses of banded haematitic carbonate			
				304	510.6	BQ	75.0	-69.8	237.0		eastman								304	338.5		Feldspar phytic andesitic volcanoclastics		
							100.0	-69.5	237.0		eastman									338.5	339		Polymict lapilli epiclastic	
							125.0	-69.3	237.5		eastman										339	351.7	HA	Intense SiSePy altered quartz phytic rock with 1-(5)% chalcopyrite as veins and disseminations
							150.0	-69.0	238.0		eastman										351.7	365		Se altered volcanic
GEOCHEMISTRY							175.0	-68.5	240.0		eastman						365	391.7	HA	Intense SiSePy altered rock				
FROM	TO	WIDTH	Cu	Pb	Zn	Ag	Au	Ba	As	200.0	-67.5	241.8		eastman										
184.0	199.0	15.0	106	8500	602	13	0.012	1726	6	225.0	-66.5	243.5		eastman										
341.0	344.0	3.0	3685	322	249	3	0.302	7702	43	250.0	-66.0	244.5		eastman										
344.0	347.0	3.0	2166	383	609	3	0.266	5581	180	275.0	-65.0	245.5		eastman										
370.0	370.3	0.3	565	2261	3553	7	-0.008			300.0	-64.5	246.0		eastman										
376.3	377.3	1.0	426	238	5861	2	0.039			325.0	-61.5	245.5		eastman										
376.3	379.3	3.0	254	366	6591	-2	0.013	1516	130	350.0	-57.8	244.5		eastman										
472.6	473.8	1.2	56	811	6450	3	-0.008	903	20	375.0	-56.0	243.3		eastman										
										400.0	-55.0	241.8		eastman										
										425.0	-51.2	241.0		eastman										
										450.0	-48.0	239.0		eastman										
										475.0	-44.8	237.3		eastman										
										500.0	-41.8	235.5		eastman										
										510.6	-41.2	235.0		eastman										
																	451.8	470.5	Cov	Weak-moderate SiSePy altered quartz phytic rhyolite				
																	470.5	510.6	Cova	Weak-moderate SiSePy altered andesite				

* H = HDR, V = VBY, E = CAS, D = DRI, Y = ASY, C = GCH, G = GEO, M = MIN, T = STR, P = GP1, A = ALT

** D = DHEM, I = DHIP, M = MAGSUS

715025

SAMPLE NUMBER: 625400 DDH BL6 318.8m

SUMMARY DESCRIPTION:

This sample is a texturally fairly well-preserved plagioclase+hornblende-phyric andesitic lava of the Anthony Rd type. Blocky to prismatic plagioclase phenocrysts (~10-15 modal%) to about 2mm long are albitized and overprinted by spotty epidote and more intense sericite alteration. Much less abundant former hornblende phenocrysts, mainly <1mm long, are replaced by chlorite and dirty brown microcrystalline epidote. Occasional quartz phenocrysts, some almost 4mm long, are resorbed at the margins, strongly fractured and partially disaggregated. Former FeTi oxide microphenocrysts are totally leucoxene-altered, and small rather elongate apatite microphenocrysts are not uncommon. The very fine-grained groundmass is a quartz-feldspathic intergrowth with a pervasive sericite-calcite mesh and alteration, and streaks of chlorite and epidote - hematite parallel to the main sericite mesh. The sample contains minor disseminated pyrite, but the intensity of alteration suggests that it is possibly only marginal to a hydrothermal system.

SAMPLE NUMBER: 625401 DDH BL6 325.5m

SUMMARY DESCRIPTION:

This sample is another texturally well-preserved plagioclase+hornblende-phyric andesitic rock, although it is unlike the previous sample texturally, and may be a shallow intrusive dyke. Plagioclase phenocrysts make up about 20 modal% of the sample, and occur as single crystals and common multi-crystal clots to at least 4mm long. The plagioclases have been albitized, and are pervaded by submicroscopic hematite dust that makes the crystals quite reddish. Former mafic phenocrysts were uncommon (<1 modal%) and are chlorite-quartz±epidote altered pseudomorphs to about 1mm long. One large quartz phenocryst (~2mm across) and a number of smaller ones are present in this section, and are typically rather resorbed and fractured. Common small FeTi oxide microphenocrysts are totally replaced by leucoxene, and apatite microphenocrysts, although present, are notably less common than in the preceding hornblende andesites. The groundmass is a ragged quartz-albite intergrowth containing small albite laths and abundant fine-grained chlorite, with common small grains of epidote. Areas of more intense alteration are composed of epidote-chlorite-hematite, with disseminated pyrite and anhedral patches of an opaque mineral that is probably chalcopyrite. A relatively coarse-grained calcite vein a few mm wide cuts the rock, and contains minor sugary quartz grains.

SAMPLE NUMBER: 625402 DDH BL6 332.4m

SUMMARY DESCRIPTION:

This sample is very close in most respects to the previous sample, differing only in having even less altered former hornblende phenocrysts, hematite-free albitized plagioclase phenocrysts, and a much finer-grained groundmass, probably after devitrified glass. Occasional large quartz phenocrysts are fractured and partially resorbed. There is considerably less chlorite in this sample than 625401, and hardly any epidote. Although I am unsure of the relative depths of this and the preceding sample in BL6, the similarity of the phenocryst population in this and the preceding sample suggests that they may be from the same unit.

SAMPLE NUMBER: 625405 DDH BL6 350.0m

SUMMARY DESCRIPTION:

This sample is a moderately foliated and intensely sericitized quartz-phyric felsic lava or shallow intrusive. Quartz phenocrysts to about 3mm long make up around 3-5 modal% of this rock, and are anhedral, resorbed on some faces, and strongly fractured with calcite on fractures. There are a few former plagioclase phenocryst sites in this rock, but none of former mafic phenocrysts. Former plagioclase sites are composed of fine-grained sericite and are stretched into the weak foliation. Most of this rock consists of a foliated fine-grained quartz-sericite intergrowth riddled with trails and spots of dirty brownish carbonate. Stylolitic concentrations of insoluble opaques are picked out as dark, wavy, carbonate-rich surfaces. Fine-grained disseminated pyrite is common in several diffuse bands parallel to the foliation. This sample has suffered sericite-silica±pyrite hydrothermal alteration. I doubt very much that it derives from the hornblende andesite magma series (see attached notes).

SAMPLE NUMBER: 625406 DDH BL6 353.4m

SUMMARY DESCRIPTION:

This sample is another textural variant of the Anthony Rd-type hornblende andesite. Despite a quite strong closely spaced foliation, former phenocrysts sites of both plagioclase and hornblende are still evident as elongate, stretched domains composed dominantly of sericite and chlorite respectively. A few small rounded and resorbed quartz phenocrysts are present, and leucoxene-altered FeTi oxide microphenocrysts are common. Apatite microphenocrysts are also quite common. The groundmass of this rock is a finely foliated sericite-carbonate intergrowth with abundant chlorite and spots of quartz and leucoxene. This rock has probably suffered weak hydrothermal alteration and subsequent recrystallization in a fault zone.

SAMPLE NUMBER: 625409 DDH BL6 407.1 m

SUMMARY DESCRIPTION:

This sample is a quite altered plagioclase+hornblende-phyric andesitic lava breccia. Former plagioclase phenocrysts are albitized and heavily overprinted by sericite and chlorite. Former hornblende phenocrysts sites are filled by an unusual orange-brown ultra-fine-grained material that is probably epidote, although epidote also occurs throughout the groundmass in more typical higher-relief pale yellow anhedral grain aggregates. FeTi oxide microphenocrysts are leucoxene-altered, and apatite microphenocrysts are common. Rapid changes in groundmass texture and alteration suggest that this may be an autobrecciated lava. Areas of intense chlorite alteration are quite common, and a 6mm-wide discontinuous vein of foliated chlorite-calcite cuts the sample. There is no doubt that this was another Anthony Rd-type hornblende andesite lava (breccia) with moderate propylitic hydrothermal alteration.

SAMPLE NUMBER: 625410 DDH BL6 437.4 m

SUMMARY DESCRIPTION:

This sample is a strongly foliated plagioclase+hornblende-phyric andesite, and certainly bears a strong similarity to 628230 in thin section. The strong fabric results from stretched and altered plagioclase and hornblende phenocrysts, the few quartz phenocrysts remaining equant but fracturing during foliation development. Plagioclase phenocrysts and multi-crystal clots are albitized and heavily overprinted by sericite and calcite. Stretched hornblende phenocrysts are replaced by chlorite, calcite and minor sericite. FeTi oxide microphenocrysts are altered to leucoxene marginally, and apatite microphenocrysts are common. The groundmass of this rock has been replaced by a messy foliated sericite-quartz-chlorite-carbonate intergrowth with abundant finely disseminated hematite. Despite the similarity to 628230, this sample might be a foliated variant of many of the preceding samples. It is essentially the foliation that makes it appear very like 62820 in my opinion.

SAMPLE NUMBER: 625411 DDH BL6 440.2m

SUMMARY DESCRIPTION:

This sample is yet another formerly plagioclase+hornblende-phyric andesitic lava very like most of those described above. Common (~8-10 modal%) albitized plagioclase phenocrysts are partially overprinted by calcite and sericite. Well-formed former hornblende phenocrysts make up about 3-5 modal% of this sample, and are entirely replaced by very fine-grained opaques and chlorite. FeTi oxide microphenocrysts appear significantly less altered than in most other rocks in this set. A small number of very strongly reacted and resorbed small quartz phenocrysts are present, and most are fractured and partly overprinted by calcite. The groundmass of this rock was a fairly fine-grained quartzo-feldspathic intergrowth after devitrified glass, but it is strongly pervaded by sericite - hematite alteration. A later chlorite-calcite alteration overprints the sericite as discontinuous veinlet and small patches that have been transposed to some degree by the weak foliation. The alteration is probably of weak hydrothermal nature.

SAMPLE NUMBER: 625412 DDH BL6 459.4m

SUMMARY DESCRIPTION:

This sample is a much more evolved hornblende andesite than most of the others in this set. At first appearance, the moderate foliation and common quartz phenocrysts give the rock an almost volcanoclastic texture, but careful examination (eg presence of euhedral delicate apatite microphenocrysts) indicates that it was a lava, probably somewhat autobrecciated. Albitized plagioclase phenocrysts are significantly more abundant than quartz, but are less obvious, due to strong overprinting sericite alteration. Strong foliation development seems to have eliminated some proportion of groundmass, so that plagioclase phenocrysts are often almost abutting each other. Former hornblende phenocrysts are replaced by fine-grained opaques and chlorite, and most are stretched into the foliation. Quartz phenocrysts make up about 4-5 modal% of this rock and are up to 4mm long, although most are much smaller. Many crystals are broken, and show one or more resorbed faces. FeTi oxide microphenocrysts are totally replaced by fine-grained opaques (hematite?) and have been disaggregated and stretched out into the cleavage. The fine-grained quartzo-feldspathic groundmass is strongly overprinted by sericite with abundant trails of disseminated fine-grained pyrite, and very fine-grained hematite. Chlorite is a relatively minor secondary phase in this sample.

SAMPLE NUMBER: 625413 DDH BL6 479.1 m

SUMMARY DESCRIPTION:

This sample is a less foliated and texturally better preserved rock than 625412, and may be derived from the same protolith. It is an autobrecciated plagioclase+hornblende-phyric andesite with more abundant phenocrystal quartz than most andesites in this set. Albitized plagioclase phenocrysts are mainly 0.1-1mm long, although multi-crystal clots to more than 3mm long are also present. Former hornblende phenocrysts are uncommon, and replaced by chlorite, fine-grained opaques and quartz. Broken and resorbed quartz phenocrysts make up 2-3 modal% of this rock, and small leucoxene-altered FeTi oxide microphenocrysts and apatite microphenocrysts are also present. The groundmass is a fine-grained quartzofeldspathic intergrowth containing tiny plagioclase microlites. Domains of groundmass varying in texture and alteration are separated by trails and clots of fine-grained hematite, often surrounding calcite-chlorite patches; most of the hematite seems to be replacing pyrite. This sample shows moderate hydrothermal calcite-pyrite-chlorite alteration, and contains significantly less sericite than similar but more foliated sample 625412.

SAMPLE NUMBER: 625414 DDH BL6 498.1 m

SUMMARY DESCRIPTION:

The protolith of this rock was probably identical to those of the two preceding samples, being a rather evolved plagioclase+hornblende+quartz-phyric andesite with common apatite and FeTi oxide microphenocrysts. Unlike the preceding sample 625413, this rock has a pervasive mesh of sericite through it, and it has plentiful trails and patches of disseminated hematite after pyrite, and possibly fresh pyrite. It also carries granular pale yellow-clear epidote as a common alteration phase in the groundmass. The messy sericitic groundmass contains common patches in which more coarse-grained quartz, sericite and epidote occur, and veins composed of calcite and quartz with euhedral pyrite, anhedral chalcopyrite (guessed by anhedral shape) and colourless sphalerite cut the rock. The presence of epidote together with pyrite is notable, and the epidote-pyrite-calcite alteration certainly post-dates the sericitic alteration. This sample is definitely not to be correlated with 625405, and seems to me to be more andesitic, compared with the rhyolitic 625405.

SAMPLE NUMBER: 625417 DDH BL6 117.8m

SUMMARY DESCRIPTION:

This sample is a petrographically distinctive abundantly plagioclase-phyric andesitic lava with a notable paucity of quartz and hornblende phenocrysts, although both are present in small quantities. Plagioclase occurs as ~20 modal% of well-formed blocky to tabular albitized crystals to about 2mm long with pinkish cores due to submicroscopic hematite dust. Occasional small former hornblende euhedra are replaced by dusty secondary silica with chlorite inclusions. Small FeTi oxides are replaced by leucoxene, and a few quite large apatite microphenocrysts are present. The groundmass is a quite texturally distinctive intergrowth of relatively large albitized plagioclase laths in chlorite after glass. Patches of chlorite intergrown with coarse anhedral clear quartz are characteristic of this groundmass, and in a few cases it is difficult to decide whether the quartz is relict resorbed phenocrysts or secondary quartz. Both are undoubtedly present. Quartz-chlorite-calcite veinlets cut the sample, and this rock contains no disseminated pyrite or hematite that characterizes many of the foregoing samples.

SAMPLE NUMBER: 625418 DDH BL6 215.1m

SUMMARY DESCRIPTION:

This sample is a moderately plagioclase-phyric andesitic lava showing strong epidote alteration. Albitized plagioclase phenocrysts to about 2mm long are common (15-18 modal%) and contain common chloritic flakes and fine-grained epidote. Former FeTi oxide phenocrysts are rare, and replaced by chlorite and quartz. FeTi oxide microphenocrysts are replaced by chlorite and magnetite or hematite, and apatite microphenocrysts are quite common. The fine-grained quartzo-feldspathic groundmass is probably replacing former glass, and contains abundant messy microcrystalline epidote and chlorite. Veins composed of calcite, bright yellow epidote and quartz are common, and a few patches of anhedral chalcopyrite occur within secondary quartz.

SAMPLE NUMBER: 625419 DDH BL6 262.1 m

SUMMARY DESCRIPTION:

This sample is a moderately foliated plagioclase+hornblende+quartz-phyric andesitic lava, in which occasional fresh hornblende phenocrysts are preserved. Plagioclase phenocrysts are mainly small (<1mm long) and heavily altered by messy fine-grained epidote and subordinate sericite. It is hard to determine the modal abundance of plagioclase but I'd guess 4-8 modal%. Hornblende phenocrysts vary from greenish to olive pleochroic fresh phenocrysts <1mm long, to totally chloritized crystals. Small resorbed quartz phenocrysts make up < 1 modal% of the rock. Quite large apatite microphenocrysts are quite common, sometimes with clear rims and smoky cores, and FeTi oxide microphenocrysts are totally altered to leucoxene. The formerly glassy groundmass is now a very fine-grained quartzo-feldspathic intergrowth intensely but rather patchily altered to messy epidote, with common sericite and chlorite.

SAMPLE NUMBER: 625420 DDH BL6 268.0 m

SUMMARY DESCRIPTION:

This sample is a brecciated and altered plagioclase+hornblende quartz+FeTi oxide+apatite-phyric andesite of Anthony Rd-type. In least altered parts of the rock, it is a texturally well-preserved rock with sericitized plagioclase (~12-15 modal%) and fresh pale brown to olive pleochroic hornblende (2-3 modal%). Quartz phenocrysts are less abundant than hornblende and are resorbed and fractured crystals that are mainly quite broken up and disaggregated. Apatite microphenocrysts are common, and FeTi oxide microphenocrysts are altered to leucoxene. Groundmass is a messy altered quartzo-feldspathic aggregate with streaky chlorite and trails of hematite. Several fragments of relatively fine-grained polycrystalline colourless carbonate are definitely fragments and not fracture fillings, although the latter do occur in the rock and have much coarser-grained and pinkish carbonate. The carbonate fragments contain occasional small fresh hornblendes, and are unlikely to be accidental inclusions (xenoliths) of carbonate incorporated into the andesite during eruption; they are probably replacement, although it is difficult to distinguish between their textures and those of the carbonate bands in 4625405. In the inter-fragment areas of this lava breccia there is strong hematite-epidote-calcite alteration, and some of the hematite is clearly replacing fine-grained euhedral pyrite.

SAMPLE NUMBER: 625421 DDH BL6 269.5m

SUMMARY DESCRIPTION:

This sample is a well-preserved plagioclase+hornblende+quartz+FeTi oxide-phyric andesite transected by carbonate veinlets. The plagioclase is quite common (~10 modal%) and totally replaced by sericite and calcite. Hornblende phenocrysts are mainly fresh, olive to pale brown pleochroic, and sometimes contains albitized plagioclase inclusions. FeTi oxide microphenocrysts are perfectly fresh, and quartz phenocrysts (3-5 modal%) are resorbed, but not broken and disaggregated. The fine-grained quartzofeldspathic groundmass has a strong messy epidote and chlorite alteration. Rather coarse-grained, strained calcite-chlorite veinlets make up ~15 modal% of the rock, and occasionally contain disseminated pyrite crystals.

SAMPLE NUMBER: 625422 DDH BL6 282.5m

SUMMARY DESCRIPTION:

This sample is almost identical to 625421, but contains a single large carbonate fragment about 2-3 cm long. This is composed of polycrystalline fine-grained calcite, but contains ghosts after hornblende and plagioclase, and a few definite heavily altered lithic fragments of the host andesite. Mainly fine-grained carbonate-chlorite alteration strongly overprints much of the groundmass, and a later series of calcite-chlorite veins is clearly transposed slightly by the weak foliation in this sample.

ABERFOYLE EXPLORATION

DRILL CORE DATA LEDGER DEPTH SAMPLES

LICENCE: EL103/87

TOTAL: 22 samples

DRILLHOLE BL-006

PROSPECT: BSL

DEPTH (m)	SAMPLE#	TYPE	COLLECTED	PREPS	ROCKTYPE	PET REF	ORE SUITE							TRACE SUITE				CALCULATED			
							Cu	Pb	Zn	Ag	Au	Ba	As	Cr	Zr	Ti	P2O5	Ti/Zr	P2O5/TiO2	Al	
							ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt%			
							GA101	GA101	GA101	GA101	GG309	GX401	GX401	GX401	GX401	GX401	OX408				
117.8	625417	SCH	RHL: 29/10/95	GTL		TC73	21	-3	351	2	-0.008	22900	4	24	88	2698	0.21	30.7	0.47	27.9	
215.1	625418	SCH	RHL: 29/10/95	GTL		TC73	104	8	344	3	-0.008	930	10	46	140	2818	0.26	20.1	0.56	46.0	
262.1	625419	SCH	RHL: 29/10/95	GTL		TC73	49	5	86	2	-0.008	641	5	202	110	2158	0.19	19.6	0.52	23.2	
268.0	625420	SCH	RHL: 29/10/95	GTL		TC73	46	64	154	3	0.022	976	84	243	129	2638	0.22	20.4	0.50	35.0	
269.5	625421	SCH	RHL: 29/10/95	GTL		TC73	6	-3	79	2	-0.008	692	5	185	121	2398	0.20	19.8	0.50	19.7	
282.5	625422	SCH	RHL: 29/10/95	GTL		TC73	4	-3	341	2	-0.008	1689	11	217	129	2578	0.21	20.0	0.48	36.9	
287.0	625423	SCH	RHL: 29/10/95	GL			24	19	33	2	-0.008	35	2	-5	-5	120	0.05		2.50	1.4	
318.8	625400	SCH	RHL: 29/10/95	GTR		TC73	110	69	169	-2	-0.008	1545	24	90	149	2758	0.25	18.5	0.55	37.9	
325.5	625401	SCH	RHL: 29/10/95	GTLP		TC73	302	14100	190	4	-0.008	2193	27	39	188	3657	0.32	19.5	0.53	28.8	
332.4	625402	SCH	RHL: 29/10/95	GTL		TC73	75	99	257	-2	-0.008	1086	10	35	174	2938	0.26	16.9	0.52	44.3	
338.6	625403	SCH	RHL: 29/10/95	L	Y-clv																
342.7	625404	SCH	RHL: 29/10/95	L	HA/D-bv																
350.0	625405	SCH	RHL: 29/10/95	GTR		TC73	37	24	457	-2	-0.008	1517	7	-5	113	2878	0.21	25.5	0.43	60.9	
353.4	625406	SCH	RHL: 29/10/95	GTL		TC73	101	7	407	-2	-0.008	632	4	18	118	2758	0.18	23.4	0.38	51.5	
356.5	625407	SCH	RHL: 29/10/95	GL	A-flv		115	229	521	2	0.02	506	20	20	112	2518	0.17	22.5	0.40	41.1	
366.6	625408	SCH	RHL: 29/10/95	LS	HA																
407.1	625409	SCH	RHL: 29/10/95	GTL		TC73	11	34	616	-2	-0.008	409	23	107	161	3237	0.31	20.1	0.57	45.1	
437.4	625410	SCH	RHL: 29/10/95	GTL		TC73	4	5	160	-2	-0.008	643	4	41	120	2698	0.24	22.5	0.54	33.1	
440.2	625411	SCH	RHL: 29/10/95	GTL		TC73	4	-3	189	-2	-0.008	652	4	59	131	2818	0.27	21.5	0.57	45.1	
459.4	625412	SCH	RHL: 29/10/95	GTL		TC73	70	22	193	-2	-0.008	1147	28	13	154	2638	0.19	17.1	0.43	47.6	
479.1	625413	SCH	RHL: 29/10/95	GTL		TC73	52	437	547	-2	-0.008	1087	28	9	142	2338	0.19	16.5	0.49	37.5	
498.1	625414	SCH	RHL: 29/10/95	GTL		TC73	50	782	354	2	-0.008	1574	13	9	131	2218	0.19	16.9	0.51	25.6	

715048

715050

APPENDIX II

ABERFOYLE EXPLORATION

DRILL CORE DATA LEDGER INTERVAL SAMPLES

LICENCE: EL103/87
TOTAL: 111 samples

DRILLHOLE BL-006

PROSPECT: BSL

FROM (m)	TO (m)	SAMPLE#	TYPE	COLLECTED	ORE SUITE							TRACE SUITE				CALCULATED		
					Cu ppm GA101	Pb ppm GA101	Zn ppm GA101	Ag ppm GA101	Au ppm GG309	Ba ppm GX401	As ppm GX401	Cr ppm GX401	Zr ppm GX401	Ti ppm GX401	P2O5 wt% OX408	Ti/Zr	P2O5/TiO2	Al
53.1	66.0	625847	CGI	SR: 31/10/95	53	8	268	-2	-0.008	1151	3	38	123	2458	0.22	20.0	0.54	32.4
66.0	67.0	625848	SCI	SR: 31/10/95	9	-5	304	-2	-0.008	633	4	47	123	2458	0.22	20.0	0.54	32.2
67.0	68.2	625849	SCI	SR: 31/10/95	13	-5	215	-2	-0.008	1042	2	42	127	2458	0.23	19.4	0.56	39.3
68.2	73.0	625850	CGI	SR: 31/10/95	37	15	282	-2	-0.008	1100	4	47	127	2698	0.24	21.2	0.53	36.6
73.0	78.3	625851	CGI	SR: 31/10/95	16	11	328	-2	-0.008	977	2	44	138	2818	0.26	20.4	0.55	40.3
78.3	79.8	625852	SCI	SR: 31/10/95	-4	6	133	-2	-0.008	398	-2	24	66	1379	0.10	20.9	0.43	70.1
79.8	95.0	625853	CGI	SR: 31/10/95	12	-5	328	-2	-0.008	868	-2	45	134	2758	0.24	20.6	0.52	43.8
95.0	109.0	625854	CGI	SR: 31/10/95	16	10	293	-2	-0.008	888	2	36	129	2578	0.25	20.0	0.58	37.1
109.0	124.0	628148	CGI	RDH: 19/10/95	43	5	206	-2	-0.008	724	-2	39	109	2278	0.20	20.9	0.53	20.7
124.0	139.0	628149	CGI	RDH: 19/10/95	81	10	371	-2	-0.008	1090	3	40	123	2638	0.23	21.4	0.52	28.3
139.0	154.0	628150	CGI	RDH: 19/10/95	72	15	216	2	-0.008	1607	6	45	122	2518	0.22	20.6	0.52	27.2
154.0	169.0	628151	CGI	RDH: 19/10/95	64	10	176	-2	-0.008	1407	5	35	96	2098	0.19	21.9	0.54	16.6
169.0	184.0	628152	CGI	RDH: 19/10/95	72	25	134	-2	0.009	1261	4	39	118	2338	0.21	19.8	0.54	25.3
184.0	199.0	628153	CGI	RDH: 19/10/95	106	8500	602	13	0.012	1726	6	33	108	2098	0.20	19.4	0.57	18.8
199.0	214.0	628154	CGI	RDH: 19/10/95	42	16	612	-2	-0.008	1384	3	35	109	2218	0.21	20.3	0.57	23.4
214.0	229.0	628155	CGI	RDH: 19/10/95	51	8	132	-2	0.012	998	3	38	114	2398	0.21	21.0	0.52	21.7
229.0	244.0	628156	CGI	RDH: 19/10/95	72	12	188	-2	0.016	5465	4	42	116	2458	0.21	21.2	0.51	24.3
244.0	259.0	628157	CGI	RDH: 19/10/95	87	19	178	-2	-0.008	2602	3	51	118	2458	0.22	20.8	0.54	26.0
259.0	266.2	625512	CGI	RDH: 23/10/95	47	10	117	2	-0.008	975	6	152	120	2338	0.21	19.5	0.54	22.0
266.2	270.0	628168	CGI	RDH: 23/10/95	69	103	121	2	-0.008	769	42	198	104	2218	0.19	21.3	0.51	18.5
270.0	272.3	628169	CGI	RDH: 23/10/95	58	11	82	2	-0.008	612	4	138	82	1679	0.16	20.5	0.57	11.6
272.3	276.8	628170	CGI	RDH: 23/10/95	32	8	357	2	-0.008	580	8	225	126	2518	0.20	20.0	0.48	27.0
276.8	280.2	628171	CGI	RDH: 23/10/95	46	5	330	2	-0.008	4693	5	158	91	1859	0.16	20.4	0.52	13.9
280.2	285.0	628172	CGI	RDH: 23/10/95	8	-5	321	2	-0.008	2451	6	204	113	2218	0.19	19.6	0.51	23.8
285.0	285.2	628173	SCI	RDH: 23/10/95	-4	-5	36	-2	-0.008	419800	9		-5	540	0.03		0.33	3.6
285.2	286.2	628174	CGI	RDH: 23/10/95	-4	-5	285	-2	-0.008	2818	6	187	124	2338	0.19	18.9	0.49	15.4
286.2	290.5	628175	CGI	RDH: 23/10/95	8	8	280	2	-0.008	1184	10	205	113	2458	0.20	21.8	0.49	27.1
290.5	297.7	628176	CGI	RDH: 23/10/95	56	12	109	-2	-0.008	1387	17	179	130	2638	0.22	20.3	0.50	27.0

715051

DRILLHOLE BL-006

PROSPECT: BSL

WHOLEROCK

FROM (m)	TO (m)	SAMPLE#	SiO2 wt% OX408	TiO2 wt% OX408	Al2O3 wt% OX408	Fe2O3 wt% OX408	MnO wt% OX408	MgO wt% OX408	CaO wt% OX408	Na2O wt% OX408	K2O wt% OX408	S wt% OX408	LOI wt% OM615	TOTAL wt% OX408
53.1	66.0	625847	63.00	0.41	16.20	6.09	0.29	1.50	0.70	5.89	1.66	0.01	3.74	99.70
66.0	67.0	625848	64.00	0.41	15.40	5.65	0.06	1.95	0.75	5.37	0.95		4.48	99.90
67.0	68.2	625849	65.00	0.41	15.90	5.06	0.10	1.58	0.69	4.79	1.97		3.58	100.00
68.2	73.0	625850	61.00	0.45	16.40	6.54	0.13	1.80	0.94	5.24	1.77		4.09	99.60
73.0	78.3	625851	60.00	0.47	16.90	7.20	0.10	2.48	1.06	5.16	1.72		3.95	99.90
78.3	79.8	625852	88.00	0.23	3.96	2.73	0.03	1.10	0.31	0.44	0.66		1.49	99.80
79.8	95.0	625853	61.00	0.46	16.60	6.80	0.11	2.63	0.87	4.86	1.84		3.86	100.10
95.0	109.0	625854	61.00	0.43	16.40	6.68	0.13	2.24	1.04	5.37	1.54		4.07	100.00
109.0	124.0	628148	52.00	0.38	14.00	5.26	0.15	2.28	9.94	4.81	1.58	0.01	8.00	99.20
124.0	139.0	628149	57.00	0.44	15.50	5.83	0.13	2.32	5.71	5.00	1.91	0.01	5.27	99.80
139.0	154.0	628150	54.00	0.42	15.30	6.05	0.14	2.49	7.94	4.56	2.17	0.02	6.40	99.70
154.0	169.0	628151	46.00	0.35	12.60	5.36	0.17	2.13	14.35	4.11	1.54	0.02	11.35	99.00
169.0	184.0	628152	52.00	0.39	14.70	5.99	0.11	2.53	9.50	4.15	2.09	0.01	7.13	99.50
184.0	199.0	628153	49.00	0.35	13.60	5.30	0.13	1.92	11.74	4.44	1.83	0.27	9.12	99.30
199.0	214.0	628154	53.00	0.37	14.30	5.44	0.12	2.15	9.55	4.25	2.07	0.02	7.73	99.50
214.0	229.0	628155	54.00	0.40	14.60	5.32	0.11	1.91	9.58	4.18	1.91	0.01	6.96	99.50
229.0	244.0	628156	51.00	0.41	14.70	5.57	0.13	2.26	9.70	4.12	2.18	0.13	7.72	99.20
244.0	259.0	628157	54.00	0.41	15.20	5.81	0.13	2.44	8.70	4.10	2.05	0.05	5.54	99.20
259.0	266.2	625512	46.00	0.39	13.70	6.54	0.15	3.46	13.40	3.83	1.40	0.10	10.24	100.30
266.2	270.0	628168	38.00	0.37	12.30	6.70	0.13	3.83	18.04	3.48	1.06	0.64	14.01	100.40
270.0	272.3	628169	30.00	0.28	9.05	4.68	0.16	2.79	27.56	2.32	1.15	0.02	21.42	99.80
272.3	276.8	628170	44.00	0.42	13.90	7.03	0.15	4.94	12.47	4.04	1.17	0.01	10.90	99.80
276.8	280.2	628171	38.00	0.31	10.70	5.29	0.18	3.44	19.79	3.97	0.39	0.19	15.85	100.40
280.2	285.0	628172	41.00	0.37	12.80	6.41	0.17	4.54	14.83	3.98	1.32	0.05	12.69	99.70
285.0	285.2	628173	7.00	0.09	2.08	0.76	0.07	0.33	8.84	1.03	0.04	10.19	6.92	99.70
285.2	286.2	628174	46.00	0.39	13.10	6.19	0.13	3.01	13.28	5.58	0.43	0.02	11.15	100.20
286.2	290.5	628175	45.00	0.41	13.20	6.87	0.16	4.90	13.02	3.39	1.19	0.01	10.64	99.60
290.5	297.7	628176	51.00	0.44	14.50	7.34	0.13	4.76	9.35	4.98	0.54	0.02	6.12	100.00

713052

DRILLHOLE BL-006

PROSPECT:

FROM (m)	TO (m)	SAMPLE#	TYPE	COLLECTED	ORE SUITE							TRACE SUITE				CALCULATED		
					Cu	Pb	Zn	Ag	Au	Ba	As	Cr	Zr	Ti	P2O6	Ti/Zr	P2O6/TiO2	Al
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt%			
					GA101	GA101	GA101	GA101	GG309	GX401	GX401	GX401	GX401	GX401	OX408			
297.7	307.2	628177	CGI	RDH: 23/10/95	48	19	140	-2	-0.008	1163	10	174	123	2458	0.22	20.0	0.54	21.8
307.2	312.5	628178	CGI	RDH: 23/10/95	62	39	181	-2	-0.008	1772	13	93	144	2758	0.26	19.2	0.57	35.5
312.5	316.0	628179	CGI	RDH: 23/10/95	56	60	218	-2	-0.008	1264	16	94	150	2938	0.28	19.6	0.57	33.4
316.0	323.9	628180	CGI	RDH: 23/10/95	331	465	226	2	-0.008	1553	10	60	152	2818	0.24	18.5	0.51	33.5
323.9	327.5	628181	CGI	RDH: 23/10/95	52	441	175	2	-0.008	1093	2	35	112	1918	0.18	17.1	0.56	21.2
327.5	333.3	628182	CGI	RDH: 23/10/95	70	151	257	2	-0.008	1581	12	54	160	2878	0.25	18.0	0.52	40.5
333.3	338.0	628183	CGI	RDH: 23/10/95	144	186	164	-2	-0.008	1074	10	43	145	2578	0.22	17.8	0.51	27.7
338.0	341.0	628161	CGI	RDH: 18/10/95	68	674	1065	-2	-0.008	2269	45	17	121	2398	0.18	19.8	0.45	50.7
341.0	344.0	628162	CGI	RDH: 18/10/95	3685	322	249	3	0.302	7702	43	8	152	3058	0.22	20.1	0.43	72.4
344.0	347.0	628159	CGI	RDH: 18/10/95	2166	383	609	3	0.266	5581	180	5	118	2578	0.19	21.8	0.44	79.7
347.0	350.0	628163	CGI	RDH: 18/10/95	84	555	399	-2	-0.008	2602	37	8	127	2758	0.19	21.7	0.41	70.3
350.0	353.0	628164	CGI	RDH: 18/10/95	71	128	441	-2	0.012	870	27	10	108	2698	0.19	25.0	0.42	45.6
353.0	356.0	628165	CGI	RDH: 18/10/95	68	295	582	-2	0.016	552	27	19	115	2758	0.18	24.0	0.39	41.7
356.0	359.0	628166	CGI	RDH: 18/10/95	62	237	476	-2	-0.008	535	9	20	111	2518	0.17	22.7	0.40	36.5
359.0	362.0	628160	CGI	RDH: 18/10/95	69	98	352	-2	-0.008	634	11	20	112	2578	0.17	23.0	0.40	39.5
362.0	364.9	628167	CGI	RDH: 18/10/95	89	102	419	-2	0.015	703	42	8	118	2698	0.19	22.9	0.42	57.5
364.9	368.0	628137	CGI	RDH: 18/10/95	70	32	251	-2	0.009	1657	27	6	136	2878	0.18	21.2	0.38	69.5
368.0	370.0	628138	CGI	RDH: 18/10/95	76	107	114	-2	0.01	1381	41	5	158	2938	0.17	18.6	0.35	77.6
370.0	370.3	628139	SCI	RDH: 18/10/95	222	704	1221	-2	-0.008	880	37	5	120	2818	0.21	23.5	0.45	67.5
370.3	373.3	628140	CGI	RDH: 18/10/95	869	239	680	-2	0.024	626	203	-5	124	3118	0.19	25.1	0.37	29.9
373.3	376.3	628141	CGI	RDH: 18/10/95	385	189	67	-2	0.052	825	96	7	130	3237	0.21	24.9	0.39	40.0
376.3	379.3	628142	CGI	RDH: 18/10/95	254	366	6591	-2	0.013	1516	130	-5	99	2698	0.18	27.3	0.40	66.8
379.3	382.3	628143	CGI	RDH: 18/10/95	149	360	951	-2	-0.008	2508	71	5	115	2878	0.21	25.0	0.44	82.0
382.3	385.3	628144	CGI	RDH: 18/10/95	84	76	559	-2	0.014	1869	28	7	119	2698	0.21	22.7	0.47	66.2
385.3	388.3	628145	CGI	RDH: 18/10/95	86	260	996	-2	0.029	2521	36	6	128	2278	0.17	17.8	0.45	82.1
388.3	391.3	628146	CGI	RDH: 18/10/95	203	124	135	-2	0.038	4030	66	7	138	2398	0.20	17.4	0.50	84.9
391.3	398.0	628184	CGI	RDH: 23/10/95	36	27	459	2	-0.008	2777	8	84	128	2518	0.23	19.7	0.55	26.0
398.0	404.9	628185	CGI	RDH: 23/10/95	15	11	464	-2	-0.008	969	16	120	147	2998	0.28	20.4	0.56	37.7
404.9	414.0	628186	CGI	RDH: 23/10/95	45	24	554	-2	-0.008	1510	16	106	143	3058	0.28	21.4	0.55	35.9
414.0	419.2	628188	CGI	RDH: 23/10/95	7	10	699	-2	-0.008	404	20	120	145	3118	0.29	21.5	0.56	42.0
419.2	424.3	628189	CGI	RDH: 23/10/95	51	7	489	2	-0.008	1533	14	110	142	3058	0.29	21.5	0.57	35.8
424.3	430.0	628190	CGI	RDH: 23/10/95	-4	6	446	-2	-0.008	555	16	100	139	2878	0.27	20.7	0.56	29.5
430.0	435.3	628191	CGI	RDH: 23/10/95	8	-5	231	-2	-0.008	1764	11	95	137	2878	0.27	21.0	0.56	34.2

DRILLHOLE BL-006

PROSPECT:

WHOLEROCK

FROM (m)	TO (m)	SAMPLE#	SiO2	TiO2	Al2O3	Fe2O3	MnO	MgO	CaO	Na2O	K2O	S	LOI	TOTAL
			wt%											
			OX408	OM615	OX408									
297.7	307.2	628177	45.00	0.41	13.50	6.11	0.14	3.64	14.04	3.21	1.16	0.27	11.78	100.60
307.2	312.5	628178	56.00	0.46	15.30	5.93	0.18	3.23	6.12	3.09	1.83	0.88	5.99	101.00
312.5	316.0	628179	59.00	0.49	15.70	5.66	0.14	3.06	3.95	4.45	1.15	0.66	4.21	100.50
316.0	323.9	628180	55.00	0.47	16.00	6.55	0.16	3.13	5.70	3.58	1.55	0.84	5.92	101.00
323.9	327.5	628181	61.00	0.32	13.00	4.12	0.12	1.93	6.68	3.67	0.86	0.38	6.63	100.10
327.5	333.3	628182	58.00	0.48	16.50	6.38	0.15	3.41	3.53	3.73	1.53	0.48	4.43	100.40
333.3	338.0	628183	55.00	0.43	15.10	5.62	0.14	2.87	6.86	3.75	1.20	0.61	6.89	100.50
338.0	341.0	628161	58.00	0.40	15.80	7.06	0.08	1.04	3.25	0.87	3.20	0.49	8.34	99.90
341.0	344.0	628162	63.00	0.51	15.70	5.87	0.02	0.39	1.01	0.57	3.75	0.96	5.90	100.30
344.0	347.0	628159	60.00	0.43	16.40	8.48	0.01	0.37	0.59	0.53	4.04	0.55	7.28	100.60
347.0	350.0	628163	59.00	0.46	17.10	7.71	0.09	0.60	1.30	0.61	3.93	0.53	7.45	100.60
350.0	353.0	628164	55.00	0.45	14.90	9.11	0.39	1.37	4.66	0.30	2.78	0.97	9.51	101.60
353.0	356.0	628165	55.00	0.46	15.00	9.61	0.47	1.38	5.56	0.25	2.78	0.58	8.27	101.20
356.0	359.0	628166	54.00	0.42	14.10	8.15	0.50	1.81	7.39	0.22	2.57	0.17	8.89	99.30
359.0	362.0	628160	54.00	0.43	14.00	7.27	0.47	1.76	6.51	0.28	2.67	0.09	12.36	100.30
362.0	364.9	628167	59.00	0.45	15.20	8.17	0.33	1.13	2.67	0.39	3.01	0.62	8.70	101.30
364.9	368.0	628137	62.00	0.48	16.60	6.42	0.07	0.53	1.20	0.70	3.79	0.47	6.55	99.80
368.0	370.0	628138	63.00	0.49	16.90	6.51	-0.01	0.33	0.37	0.83	3.82	0.40	6.39	100.30
370.0	370.3	628139	60.00	0.47	13.30	11.04	0.01	0.28	0.97	0.52	2.82	0.50	8.71	100.00
370.3	373.3	628140	58.00	0.52	12.20	12.68	0.03	0.11	2.25	1.20	1.36	0.63	10.40	100.60
373.3	376.3	628141	64.00	0.54	9.90	11.63	-0.01	0.07	1.06	0.89	1.23	0.61	8.57	100.20
376.3	379.3	628142	59.00	0.45	14.30	11.79	-0.01	0.10	0.35	0.92	2.45	0.68	8.98	101.00
379.3	382.3	628143	60.00	0.48	16.30	9.02	0.02	0.38	0.54	0.44	4.09	0.45	7.32	100.70
382.3	385.3	628144	59.00	0.45	15.80	7.43	0.17	0.72	2.21	0.32	4.23	0.46	8.29	100.30
385.3	388.3	628145	65.00	0.38	15.00	6.18	0.06	0.66	0.92	0.15	4.24	0.55	6.03	100.70
388.3	391.3	628146	63.00	0.40	16.30	7.05	0.01	0.44	0.61	0.26	4.44	0.43	6.42	100.50
391.3	398.0	628184	53.00	0.42	13.60	7.36	0.23	3.73	7.44	4.24	0.37	0.34	7.55	99.90
398.0	404.9	628185	53.00	0.50	14.90	8.11	0.25	5.53	5.57	4.20	0.37	0.03	6.03	99.50
404.9	414.0	628186	52.00	0.51	14.80	8.13	0.27	5.68	6.44	4.24	0.29	0.05	6.35	99.60
414.0	419.2	628188	55.00	0.52	15.10	8.29	0.26	5.77	4.37	4.31	0.52		4.86	100.20
419.2	424.3	628189	51.00	0.51	15.20	9.24	0.24	4.81	6.15	4.18	1.15	0.05	6.03	99.00
424.3	430.0	628190	47.00	0.48	14.50	7.77	0.28	4.93	9.70	4.14	0.86		9.17	100.00
430.0	435.3	628191	48.00	0.48	14.90	7.27	0.18	4.52	9.41	3.01	1.93	0.06	9.33	99.60

DRILLHOLE BL-006

PROSPECT:

FROM (m)	TO (m)	SAMPLE#	TYPE	COLLECTED	ORE SUITE							TRACE SUITE				CALCULATED		
					Cu ppm GA101	Pb ppm GA101	Zn ppm GA101	Ag ppm GA101	Au ppm GG309	Ba ppm GX401	As ppm GX401	Cr ppm GX401	Zr ppm GX401	Ti ppm GX401	P2O5 wt% OX406	Ti/Zr	P2O5/TiO2	Al
435.3	438.0	628192	CGI	RDH: 23/10/95	10	-5	179	-2	-0.008	875	6	51	122	2758	0.23	22.6	0.50	39.5
438.0	442.6	628193	CGI	RDH: 23/10/95	-4	6	178	-2	-0.008	706	5	63	128	2818	0.27	22.0	0.57	37.4
442.6	447.8	628194	CGI	RDH: 23/10/95	58	12	192	3	-0.008	894	4	65	132	2878	0.30	21.8	0.63	30.0
447.8	451.8	628195	CGI	RDH: 23/10/95	19	10	231	-2	-0.008	660	4	60	124	2818	0.26	22.7	0.55	31.0
451.8	454.3	628196	CGI	RDH: 23/10/95	115	173	148	2	-0.008	1235	26	18	130	2338	0.20	18.0	0.51	38.2
454.3	463.8	628197	CGI	RDH: 23/10/95	67	436	145	-2	-0.008	1080	29	11	148	2698	0.21	18.2	0.47	43.1
463.8	469.1	628198	CGI	RDH: 23/10/95	51	36	116	-2	-0.008	965	27	13	140	2518	0.20	18.0	0.48	33.2
469.1	472.6	628199	CGI	RDH: 23/10/95	65	674	2070	2	-0.008	1058	25	14	151	2518	0.21	16.7	0.50	40.9
472.6	473.8	628200	CGI	RDH: 23/10/95	56	811	6450	3	-0.008	903	20	13	122	2218	0.16	18.2	0.43	25.3
473.8	477.0	625501	CGI	RDH: 23/10/95	61	499	1393	2	-0.008	976	22	16	139	2398	0.20	17.3	0.50	32.3
477.0	480.0	625502	CGI	RDH: 23/10/95	54	451	764	-2	-0.008	1115	27	14	137	2518	0.19	18.4	0.45	31.4
480.0	483.0	625503	CGI	RDH: 23/10/95	45	269	1891	2	-0.008	1019	27	17	136	2518	0.19	18.5	0.45	32.9
483.0	486.0	625504	CGI	RDH: 23/10/95	50	227	481	-2	-0.008	1124	27	13	127	2278	0.18	17.9	0.47	37.0
486.0	489.0	625505	CGI	RDH: 23/10/95	39	143	555	-2	-0.008	1231	29	12	129	2338	0.18	18.1	0.46	37.5
489.0	492.0	625506	CGI	RDH: 23/10/95	41	86	222	2	-0.008	1103	28	15	133	2338	0.18	17.6	0.46	32.1
492.0	495.0	625507	CGI	RDH: 23/10/95	56	38	228	2	-0.008	1791	28	12	141	2338	0.18	16.6	0.46	40.8
495.0	498.0	625508	CGI	RDH: 23/10/95	43	362	1227	2	-0.008	1244	20	12	129	2218	0.18	17.2	0.49	33.8
498.0	504.9	625509	CGI	RDH: 23/10/95	38	91	288	-2	-0.008	1394	14	24	132	2458	0.19	18.6	0.46	35.8
504.9	510.0	625510	CGI	RDH: 23/10/95	36	-5	228	2	-0.008	8596	16	14	126	2338	0.18	18.6	0.46	32.3

715055

DRILLHOLE BL-006

PROSPECT:

WHOLEROCK

FROM (m)	TO (m)	SAMPLE#	SiO2	TiO2	Al2O3	Fe2O3	MnO	MgO	CaO	Na2O	K2O	S	LOI	TOTAL
			wt%											
			OX408	OM615	OX408									
435.3	438.0	628192	52.00	0.46	14.30	8.30	0.10	3.05	7.67	1.74	3.10	0.01	8.23	99.60
438.0	442.6	628193	50.00	0.47	14.60	7.87	0.11	2.99	8.54	1.89	3.23		9.15	99.70
442.6	447.8	628194	45.00	0.48	14.60	6.67	0.15	2.45	12.58	0.97	3.35	0.01	12.49	99.70
447.8	451.8	628195	45.00	0.47	14.40	8.24	0.19	3.00	11.65	1.26	2.81	0.01	12.09	100.00
451.8	454.3	628196	58.00	0.39	14.60	6.62	0.15	1.59	4.72	2.44	2.84	1.09	3.92	98.20
454.3	463.8	628197	58.00	0.45	16.80	6.41	0.20	1.15	3.02	3.07	3.47	1.61	4.55	101.90
463.8	469.1	628198	61.00	0.42	14.80	5.32	0.19	0.84	3.73	3.23	2.62	1.69	3.49	101.00
469.1	472.6	628199	59.00	0.42	16.50	6.88	0.14	1.19	2.91	3.05	2.94	1.32	4.25	101.00
472.6	473.8	628200	60.00	0.37	13.80	4.95	0.18	0.74	4.97	3.79	2.23	1.01	2.23	97.00
473.8	477.0	625501	58.00	0.40	15.50	6.60	0.26	1.49	4.08	3.76	2.25	0.86	3.87	99.30
477.0	480.0	625502	56.00	0.42	15.50	7.86	0.31	1.54	4.24	3.90	2.18	1.04	3.63	99.30
480.0	483.0	625503	59.00	0.42	15.40	6.68	0.25	1.48	3.83	3.89	2.31	1.36	3.35	101.20
483.0	486.0	625504	57.00	0.38	14.60	8.76	0.35	1.66	3.23	3.40	2.23	1.21	3.84	99.30
486.0	489.0	625505	59.00	0.39	15.10	6.79	0.41	1.72	4.08	2.92	2.48	1.14	4.36	100.40
489.0	492.0	625506	59.00	0.39	14.50	6.90	0.41	1.97	4.51	3.84	1.97	1.58	3.95	101.50
492.0	495.0	625507	59.00	0.39	15.20	7.27	0.27	2.06	3.06	3.54	2.48	1.37	3.21	100.40
495.0	498.0	625508	59.00	0.37	14.60	7.47	0.23	1.84	3.87	3.84	2.09	0.87	3.38	99.40
498.0	504.9	625509	61.00	0.41	15.20	6.14	0.16	1.94	3.55	4.05	2.29	1.11	3.14	100.90
504.9	510.0	625510	57.00	0.39	14.80	6.00	0.16	2.18	3.99	4.47	1.85	1.37	3.45	100.70

APPENDIX III

DRILLHOLE BL-006

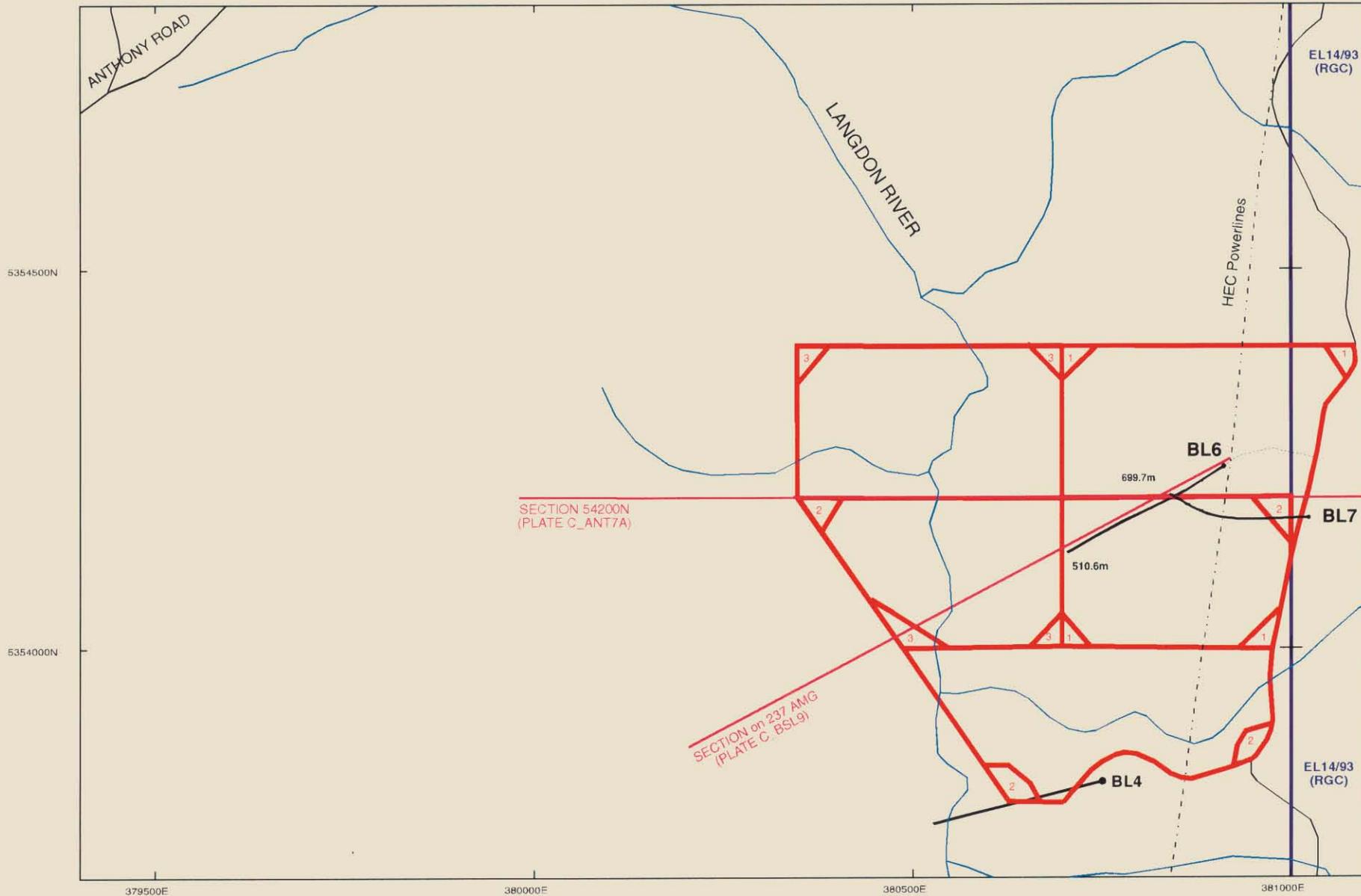
PROSPECT: BSL

FROM (m)	TO (m)	SAMPLE#	TYPE	COLLECTED	ORE SUITE			TRACE SUITE			CALCULATED							
					Cu	Pb	Zn	Ag	Au	Ba	As	Cr	Zr	Ti	P2O8	Ti/Zr	P2O6/TiO2	Al
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt%			
					GA101	GA101	GA101	GA101	GG309	GX401	GX401	GX401	GX401	GX401	OX408			
325.3	325.5	827001	SCI	RDH: 8/11/95	181	12800	192	7	0.015									
335.0	336.0	827002	SCI	RDH: 8/11/95	332	736	133	2	-0.008									
336.0	337.0	827003	SCI	RDH: 8/11/95	93	118	104	-2	-0.008									
337.0	338.0	827004	SCI	RDH: 8/11/95	64	54	144	-2	-0.008									
338.0	338.8	827005	SCI	RDH: 8/11/95	155	49	180	-2	-0.008									
338.8	339.8	827006	SCI	RDH: 8/11/95	64	410	950	2	-0.008									
339.8	340.8	827007	SCI	RDH: 8/11/95	58	1380	2243	3	-0.008									
340.8	341.8	827008	SCI	RDH: 8/11/95	78	507	1234	-2	0.018									
341.8	342.2	827009	SCI	RDH: 8/11/95	303	190	45	5	0.06									
342.2	342.7	827010	SCI	RDH: 8/11/95	1893	76	18	2	0.068									
342.7	342.9	827011	SCI	RDH: 8/11/95	20100	309	102	14	0.599									
342.9	343.4	827012	SCI	RDH: 8/11/95	4624	191	92	7	0.6									
343.4	343.8	827013	SCI	RDH: 8/11/95	980	149	33	3	0.324									
343.8	344.3	827014	SCI	RDH: 8/11/95	8496	795	252	14	1.32									
344.3	345.3	827015	SCI	RDH: 8/11/95	452	50	44	-2	0.063									
345.3	346.2	827016	SCI	RDH: 8/11/95	629	136	64	-2	0.045									
346.2	347.2	827017	SCI	RDH: 8/11/95	106	717	1070	3	0.02									
347.2	348.0	827018	SCI	RDH: 8/11/95	101	1340	311	5	-0.008									
348.0	349.0	827019	SCI	RDH: 8/11/95	74	398	519	3	-0.008									
349.0	350.0	827020	SCI	RDH: 8/11/95	98	137	260	3	0.012									
370.0	370.3	827021	SCI	RDH: 8/11/95	565	2261	3553	7	-0.008									
370.3	371.3	827022	SCI	RDH: 8/11/95	331	430	1245	2	0.016									
371.3	372.3	827023	SCI	RDH: 8/11/95	1003	138	131	-2	0.036									
372.3	373.3	827024	SCI	RDH: 8/11/95	2331	116	148	-2	0.064									
373.3	374.3	827025	SCI	RDH: 8/11/95	504	259	22	2	0.058									
374.3	375.3	827026	SCI	RDH: 8/11/95	422	234	46	2	0.031									
375.3	376.3	827027	SCI	RDH: 8/11/95	361	172	31	-2	0.042									
376.3	377.3	827028	SCI	RDH: 8/11/95	426	238	5861	2	0.039									
377.3	378.3	827029	SCI	RDH: 8/11/95	153	494	52	2	0.022									
378.3	379.3	827030	SCI	RDH: 8/11/95	403	573	244	4	0.016									
379.3	380.0	827031	SCI	RDH: 8/11/95	234	501	132	4	-0.008									

715058

APPENDIX IV

**EL103/87 LANGDON PYRITE ZONE
DDH BL6 DHEM COVERAGE**

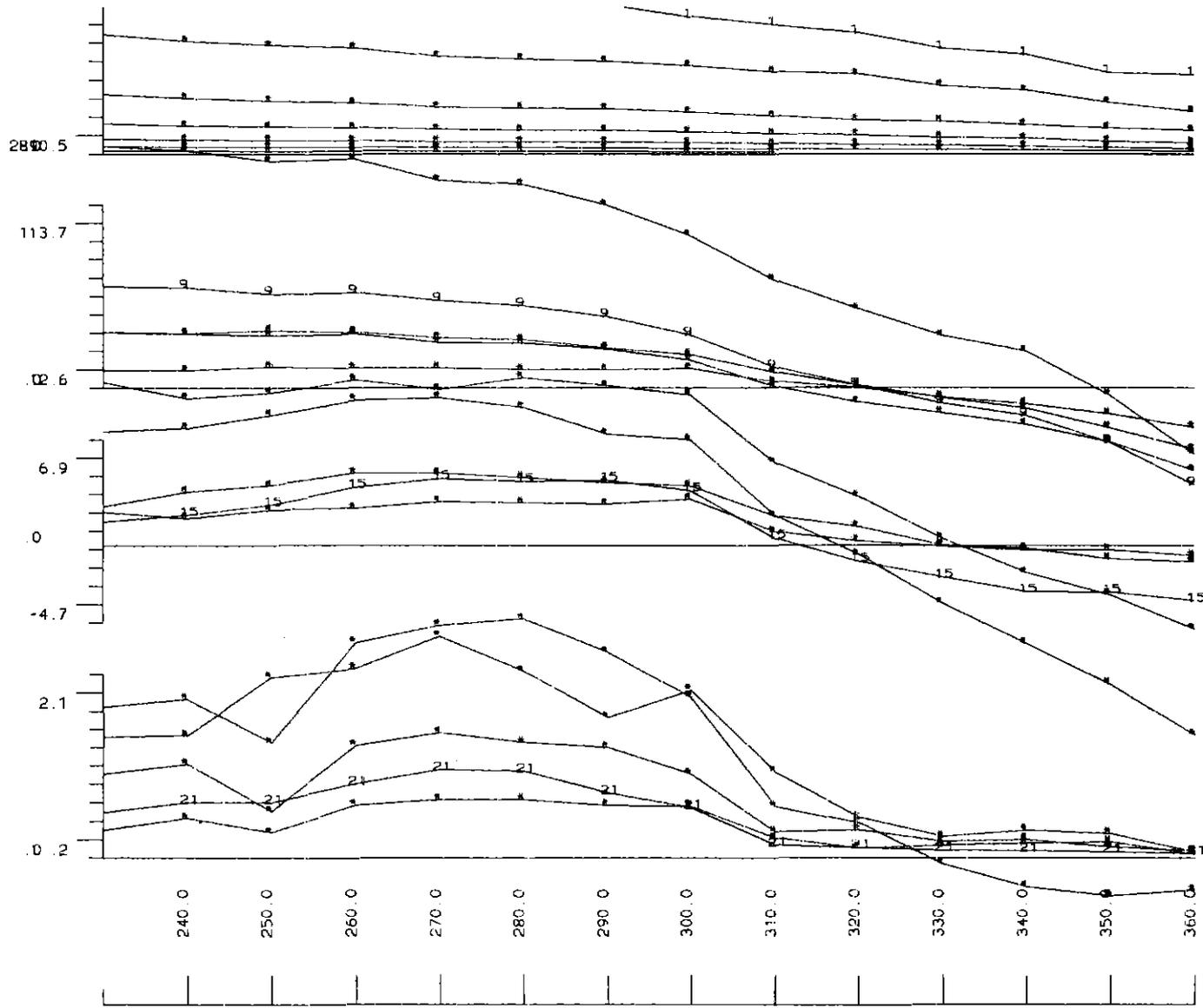


5 cm



PLATE: C_BSL8
bur:/bur1/aberfoyle/jobs/Dostfiles/coreldr/w/bsl/c_bsl8.cdr
ml 31/10/1995

1150000



Datafile: obs\macdhem\b16a.av

LOOP: 1

LINE: 6.00

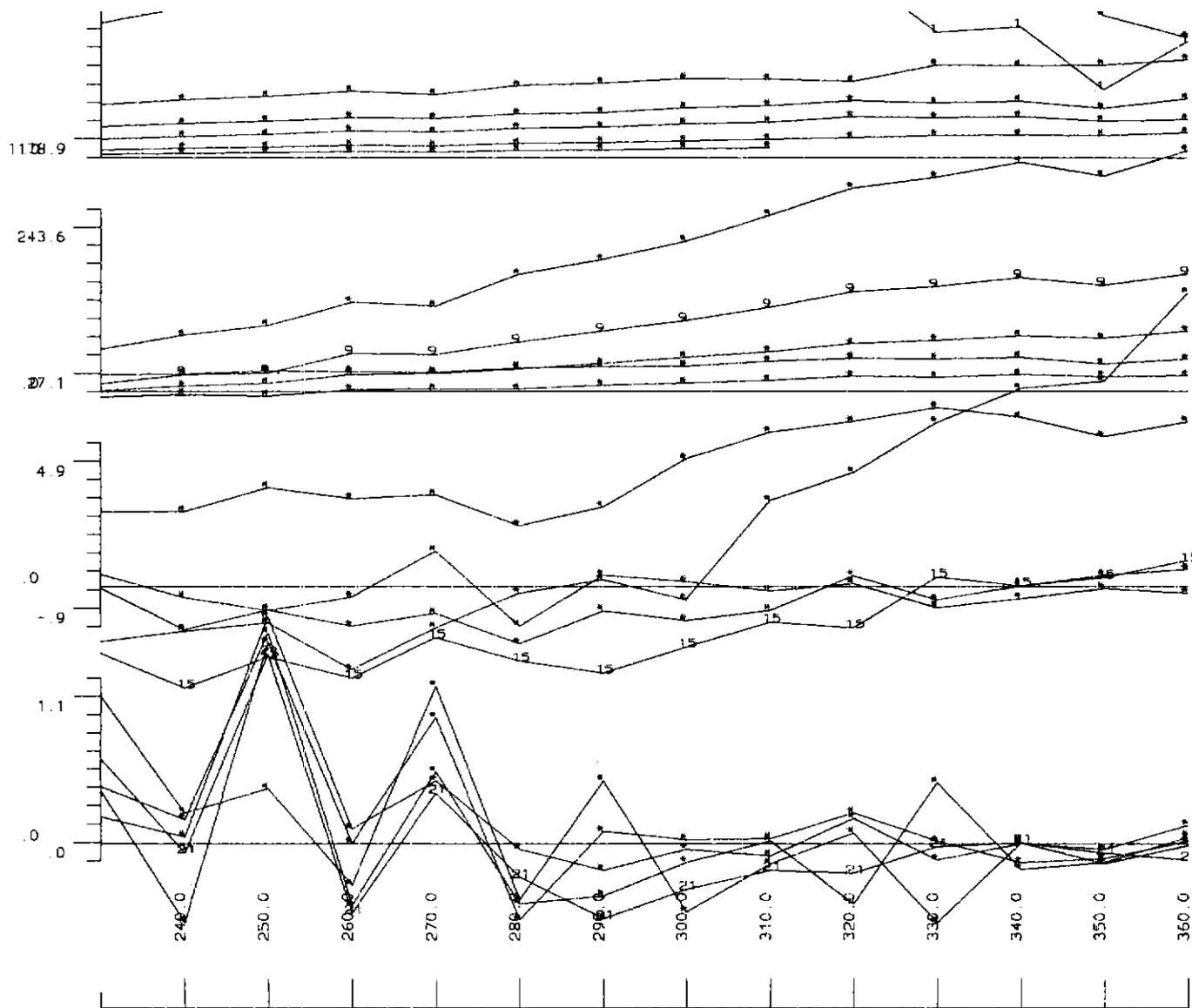
Date Plotted: 15/10/95

Horiz scale 1: 787.9

BL-6 DHEM 4x2048 stacked

ABERFOYLE RESOURCES LTD

715061



Datafile: obs\macdhem\b16a av

LOOP: 2

LINE: 6.00

Date Plotted: 15/10/95

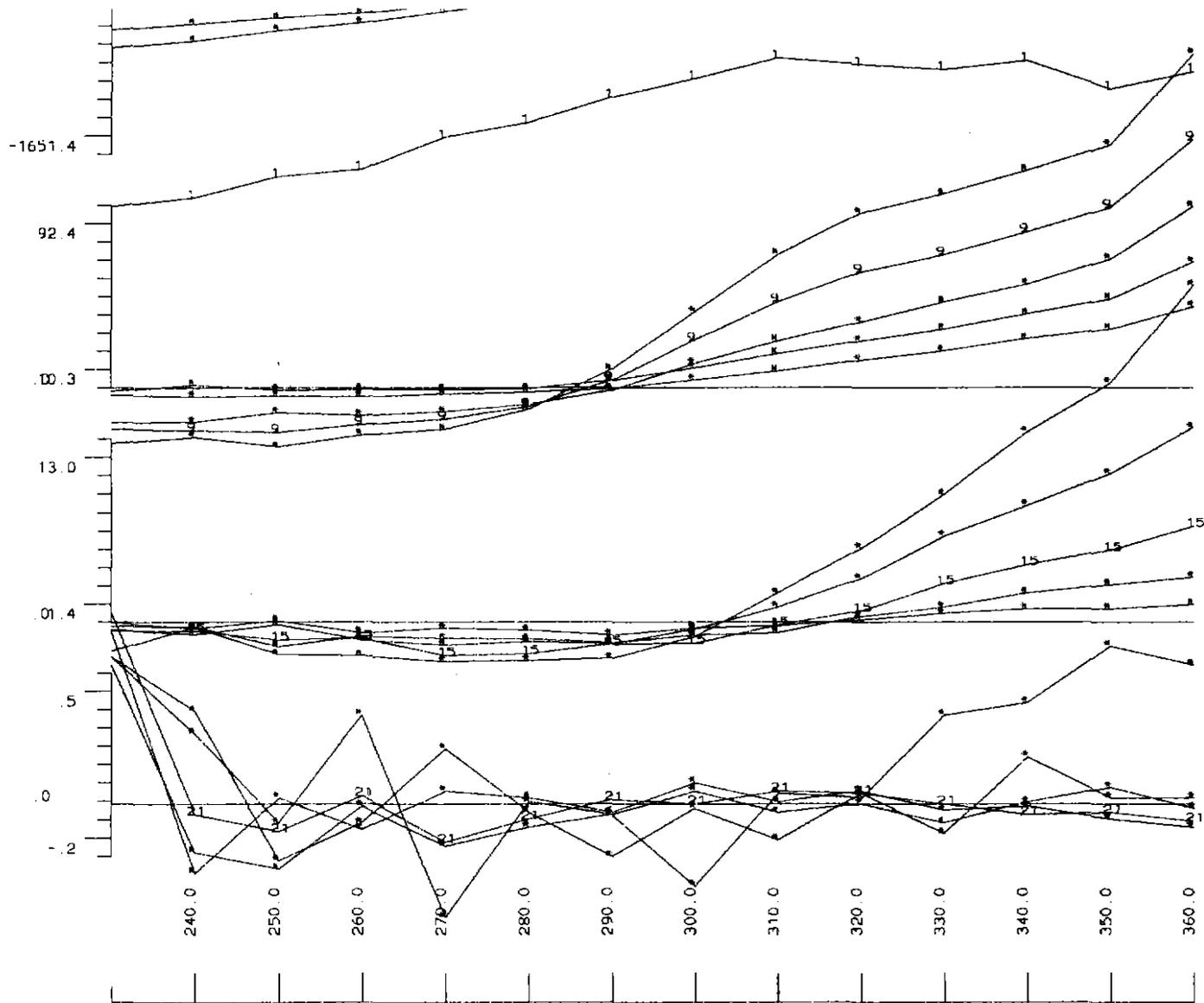
Horiz scale 1: 787.9

BL-6 DHEM 4x2048 stacked

ABERFOYLE RESOURCES LTD

5 cm

715062



Datafile: obs\macdhem\b16b.av

LOOP: 3

LINE: 6.00

Date Plotted: 16/10/95

Horiz scale 1: 787.9

BL-6 DHEM 4x2048 stacked

ABERFOYLE RESOURCES LTD

715063

715064

APPENDIX V

DRILL HOLE RECORD

Aberfoyle Resources Limited

EXPLORATION DIVISION

HOLE NAME: BL-007
 WORK PROPOSAL: WP309/96

HOLE DETAILS		COMMENTS		ADDITIONAL DATA		COLLAR DETAILS	
COMPANY	ABEX	OBJECTIVE	To test the source of an offhole conductor coincident with a target horizon overlying intense SiSePy alteration, about 150m downdip from BL-006.	DIGITAL DATA*	HVEDCGPA	AMG EAST (m)	381034
LICENCE	EL103/87	RESULT	The hole failed to intersect a conductor at the inferred target depth.	GEOPHYSICAL DATA**	DM	AMG NORTH (m)	5354175
LOCALITY	Langdon River	COMMENT	Many problems drilling glacials but overall drilling conditions much better than BL-006.	GEOPHYSICS:		RL (m)	555
STARTED	06-Dec-95					COLLAR DEPTH (m)	0
COMPLETED	30-Jan-96					DIP	-74.7
DESIGNED BY	RHL					AZIMUTH (amg)	270.0
LOGGED BY	AV					AZIMUTH (grid)	
DRILLED BY	F. Ortner					LOCAL GRID	
DRILL RIG	F66-9					GRID EAST	
HOLE DEPTH	699.7					GRID NORTH	

CASING				HOLE SIZE			SURVEY DATA					SUMMARY GEOLOGY								
FROM	TO	TYPE	ID (mm)	FROM	TO	SIZE	DEPTH	DIP	AMG AZ	GRID AZ	INSTRUMENT	DEPTH	DIP	AMG AZ	GRID AZ	INSTRUMENT	FROM	TO	UNIT	DESCRIPTION
0	42	HW	102	0	15	PW	0.0	-74.7	270.0		theodolite	0	50	Q			0	50	Q	Glacials/clay
				15	42	HW	25.0	-74.9	267.0		eastman	50	100	Ccva			50	100	Ccva	Weathered andesite lava
				42	251	HQ	50.0	-75.1	266.0		eastman	100	140	Ccva			100	140	Ccva	Coarsely hornblende-feldspar phyrlic andesite lava
				251	699.7	NQ	75.0	-75.2	266.0		eastman	140	593	Ccva			140	593	Ccva	Feldspar (hornblende) phyrlic andesite lava
							100.0	-75.3	268.0		eastman	593	606.5	Ccva			593	606.5	Ccva	Sheared (epidote altered) andesite lava
							125.0	-75.3	269.0		eastman	606.5	667	Ccva			606.5	667	Ccva	Andesitic volcanoclastic with veins/lenses of banded carbonate
							150.0	-75.2	271.0		eastman	667	699.7	Ccva			667	699.7	Ccva	Andesitic volcanoclastic/lava with variable SeCIPy alteration
							175.0	-75.1	272.0		eastman									
							200.0	-74.9	272.0		eastman									
							225.0	-74.4	270.0		eastman									
							250.0	-73.9	270.0		eastman									
							275.0	-73.7	270.0		eastman									
							300.0	-73.6	272.0		eastman									
							325.0	-73.7	276.0		eastman									
							350.0	-73.6	277.0		eastman									
							375.0	-73.3	277.0		eastman									
							400.0	-73.1	275.0		eastman									
							425.0	-73.1	271.0		eastman									
							450.0	-73.0	272.0		eastman									
							475.0	-72.6	283.0		eastman									
							500.0	-72.2	284.0		eastman									
							525.0	-72.0	285.0		eastman									
							550.0	-72.0	286.0		eastman									
							575.0	-72.0	287.0		eastman									
							600.0	-71.9	288.0		eastman									
							625.0	-71.9	290.0		eastman									
							650.0	-71.5	291.0		eastman									
							675.0	-70.9	292.0		eastman									
							699.0	-69.9	292.0		eastman									

* H = HDR, V = SVY, E = CAS, D = DRI, Y = ESY, C = GCH, G = GEO, M = MIN, T = STR, P = GP1, A = ALT

** D = DHEM, I = DHIP, M = MAGSUS

CONTACT

Aberfoyle Resources Limited

EXPLORATION DIVISION

DIAMOND DRILL LOG

HOLE No. **B L 7**
 PAGE **16** of **16**
 GEO **AV**
 LOG DATE **6/2/96**

DRILLING			LITHOLOGY										ALTERATION		VEINING			MINERALISATION			FAULTS				FABRIC			GRAPHIC LOG	COMMENTS				
DEPTH	DRILL RUN	TRAYS	STATIONARY	LITHOLOGY	COLOUR	VOLCANICLASTICS					LOWER CONTACT		TEXTURE CODE	DESCRIPTION	INTENSITY	MAX WIDTH (mm)	MINERALOGY	TEXTURE	MINERALOGY	CONTENTS (%)	TOP	DTH WIDTH (mm)	CA ANGLE	STYLE	TYPE	CA ANGLE	FACIES	WEATHERING	DEPTH	INTERVAL SAMPLES			
						FRAGMENTS		MATRIX	VOLUME (%)	STALE	TYPE	LITHICS																			CRYSTALS	COMPOSITION	
						TYPE	SHAPE					MAX (mm)																					TYPE
52				A-L	Gn								P	3 ClSe	1	10	CoHe Ep											62	06228				
54				A-miv	GnG	A	RA	40	FHbl	Al CoHe Cl	20		G	C														64	06428				
56				A-lv	GnG	A	RA	140	FHbl	CoHe	10		G	C														66	06628				
58				A-lv	GnG	A	RA	100	FHbl	Al CoHe	10		G	C														68	06828				
60				A-lv	GnG	A	RA	100	FHbl	Al CoHe	10		G	C														70	07028				
62				A-lv	GnG	A	RA	100	FHbl	Al CoHe	10		G	C														72	07228				
64				A-lv	GnG	A	RA	100	FHbl	Al CoHe	10		G	C														74	07428				
66				A-lv	GnG	A	RA	100	FHbl	Al CoHe	10		G	C														76	07628				
68				A-lv	GnG	A	RA	100	FHbl	Al CoHe	10		G	C														78	07828				
70				A-lv	GnG	A	RA	100	FHbl	Al CoHe	10		G	C														80	08028				
72				A-lv	GnG	A	RA	100	FHbl	Al CoHe	10		G	C														82	08228				
74				A-lv	GnG	A	RA	100	FHbl	Al CoHe	10		G	C														84	08428				
76				A-lv	GnG	A	RA	100	FHbl	Al CoHe	10		G	C														86	08628				
78				A-lv	GnG	A	RA	100	FHbl	Al CoHe	10		G	C														88	08828				
80				A-lv	GnG	A	RA	100	FHbl	Al CoHe	10		G	C														90	09028				
82				A-lv	GnG	A	RA	100	FHbl	Al CoHe	10		G	C														92	09228				
84				A-lv	GnG	A	RA	100	FHbl	Al CoHe	10		G	C														94	09428				
86				A-lv	GnG	A	RA	100	FHbl	Al CoHe	10		G	C														96	09628				
88				A-lv	GnG	A	RA	100	FHbl	Al CoHe	10		G	C														98	09828				
90				A-lv	GnG	A	RA	100	FHbl	Al CoHe	10		G	C														100	10028				

110081

SAMPLE NUMBER: 827304 DDH BL7**SUMMARY DESCRIPTION:**

This sample is massive, coherent, moderately plagioclase-phyric hornblende andesite in which the 3-5 modal% of former hornblende phenocrysts have altered to a complex chlorite-magnetite(?)±calcite±epidote ±sphene intergrowth characterized by abundant fine-grained magnetite(?) dust. These former hornblende phenocryst sites contain small plagioclase inclusions and occasional equant FeTi oxide microphenocryst. Plagioclase phenocrysts make up ~15 modal% of the rock, and are subhedral albitized prisms usually <1mm long; they are commonly in 2- or 3-crystal clots. Occasional small equant FeTi oxide phenocrysts have ragged margins but appear little altered. A single 1mm-long rounded quartz phenocryst and a few small apatite microphenocrysts are also present. The groundmass is a fine-grained quartzo-feldspathic intergrowth containing abundant tiny albite laths and microlites and FeTi oxide dust, with streaks and spots of chlorite. It is transected by a widely spaced but quite well-developed foliation defined by leucoxene concentrations after insoluble opaques. This is an Anthony Road-type hornblende andesite with a regional burial metamorphic alteration assemblage, although the total destruction of the hornblende indicates more intense alteration than commonly noted for Anthony Rd Andesites.

SAMPLE NUMBER: 827305 BL7**SUMMARY DESCRIPTION:**

This sample is a massive coherent lava not significantly different from the preceding sample. The following differences are noted. 305 contains less albitized plagioclase phenocrysts (5-7 modal%) than 304, and these are invariably more than 50% sericitized. 304 also contains about 4-5 small resorbed quartz phenocrysts that are fractured and partly disaggregated. Amphibole phenocrysts are less abundant than in 304 and contain more chlorite and less dusty Fe oxide alteration, so that they are less 'obvious' in thin section and hand specimen. The groundmass of 305 contains notably more chlorite and sericite than in 304, and common small narrow trails of clear vein-like quartz and chlorite; it lacks the fracture foliation present in 304. Metamorphic grade is identical to 304, although the rock may record weak hydrothermal alteration indicated by the relatively abundant sericite-chlorite.

SAMPLE NUMBER: 827306 BL7**SUMMARY DESCRIPTION:**

In hand specimen, this sample is a strongly brecciated andesitic volcanoclastic(?) with a disaggregated jigsaw-fit texture, cut by at least two sets of carbonate-dominated veins, one of which is decidedly pinkish in colour. Thin section description, however, shows that the 'clasts' are in fact, all of the same lithotype, being a plagioclase-phyric andesite little different from the two samples described from higher in the hole. Chloritized small hornblende phenocrysts are rare, and occasional small resorbed quartz phenocrysts are present. The groundmass is a quartzo-feldspathic intergrowth charged with tiny opaques and albite microlites, with common chlorite spots. Plagioclase phenocrysts show only very minor sericite overprinting. Patchy carbonate alteration is common within lava fragments, and becomes coarser-grained towards veins, in which crystal aggregates often have a rather bladed habit. It is not possible in this thin section to distinguish the two vein sets evident in hand specimen. This was probably an Anthony Rd-type autobrecciated andesitic lava subsequently invaded and further disrupted by intense carbonate alteration associated with hydrothermal alteration.

SAMPLE NUMBER: 827307 BL 7**SUMMARY DESCRIPTION:**

In hand specimen, this sample appears to be a polymict fine-grained lava breccia or volcanoclastic coarse sandstone with green and pinkish lava fragments/clasts to almost 1cm across. Thin section examination shows that most of the clasts are well-preserved hornblende andesite with fresh or chlorite-rimmed olive-green hornblende and totally altered (to microcrystalline dirty epidote and sericite) plagioclase phenocrysts. The pinkish clasts (only one in this section is a siltstone or cherty rock composed of very fine-grained recrystallized quartz and minor albite with spotty fine-grained sericite and chlorite and common Fe oxide 'dust'. A few small resorbed quartz phenocrysts are present, but former FeTi oxide microphenocrysts are altered to leucoxenitic material. The rock is strongly but diffusely veined by carbonate that also dominates areas between clasts/fragments. This is a volcanoclastic sandstone derived largely from Anthony Rd-type hornblende andesites, with a minor chert/siltstone component, and moderate carbonate alteration.

SAMPLE NUMBER: 827308 BL 7

SUMMARY DESCRIPTION:

This sample in hand specimen is a strongly foliated and banded rock composed of stretched reddish, hematitic lithic clasts (?), elongate diffuse green andesitic areas, and bands and zones of intense cream to grey carbonate alteration. In thin section, the greenish andesitic bands are clearly intensely foliated and recrystallized former hornblende andesite lava, and occasional small quartz phenocrysts, streaked-out, chlorite-hematite altered former hornblende phenocrysts and slightly stretched and totally sericitized former plagioclase phenocrysts are all still distinguishable. Foliation planes are defined by either sericite, or concentrations of dark insoluble opaques. Intense carbonate alteration has pervaded this sample, and the boundaries between carbonate bands and foliated andesite are sharp in most cases. I suggest that this rock was a heavily carbonate-veined hornblende andesite lava that has been strongly recrystallized in a high-strain zone, possibly accompanied by addition of further carbonate alteration.

SAMPLE NUMBER: 827309 BL 7

SUMMARY DESCRIPTION:

This sample is a strongly carbonate-altered andesitic lava with common pinkish altered plagioclase phenocrysts and bands and fracture fillings of white carbonate. In thin section, it is clear that the rock was probably a coherent lava rather than a volcanoclastic. Away from intense alteration, the rock is clearly a former hornblende andesite, with chlorite-carbonate alteration and little strain. Relatively common hornblende phenocrysts are replaced by chlorite, plagioclase phenocrysts are albitized and quite pinkish-brown (submicroscopic hematite dust?), but most are partly overprinted by calcite and sericite. Occasional 0.4mm-sized apatite microphenocrysts are present. Carbonate alteration is strong, and varies from rather coarsely- to finely crystalline, whether as veins or as diffuse overprinting of the altered andesite.

SAMPLE NUMBER: 827310 BL 7

SUMMARY DESCRIPTION:

This sample is a rather strongly altered dark green quite pyritic andesitic lava, with calcite bands and veins cutting and post-dating the pyrite. Pyrite occurs as narrow rather diffuse streaks rather than as obvious veins. This sample is another coherent andesitic lava, although it is certainly more evolved than most of the foregoing andesites, as indicated by the paucity of hornblende phenocrysts and more abundant resorbed and fractured quartz phenocrysts. Albitized plagioclase phenocrysts make up around 5-7 modal% of the rock, and lacks significant sericite alteration. The groundmass is a fine-grained quartzo-feldspathic intergrowth with common tiny albite microlites, abundant fine-grained chlorite and sericite, and spotty leucoxene blebs after small FeTi oxides. Pyrite occurs in mainly very fine-grained streaky concentrations typically associated with chlorite. Occasional clusters of coarser grains of pyrite are present, but even these are $\ll 0.5$ mm across. This andesitic lava suffered moderate chlorite-pyrite hydrothermal alteration.

ABERFOYLE EXPLORATION

DRILL CORE DATA LEDGER DEPTH SAMPLES

LICENCE: EL103/87

TOTAL: 7 samples

DRILLHOLE BL-007

PROSPECT: BSL

DEPTH (m)	SAMPLE#	TYPE	COLLECTED	PREPS	ROCKTYPE	PET REF	ORE SUITE							TRACE SUITE				CALCULATED		
							Cu	Pb	Zn	Ag	Au	Ba	As	Cr	Zr	Ti	P2O6	TU/Zr	P2O6/TiO2	Al
							ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt%		
							GA101	GA101	GA101	GA101	GG309	GX401	GX401	GX401	GX401	GX401	OX408			
255.2	827304	SCH	AV: 8/02/96	GT	A-I	Pending	16	-5	1420	-2		83	5	61	162	3118	0.29	19.2	0.55	42.0
547.1	827305	SCH	AV: 8/02/96	GT	A-I/v	Pending	4	-5	607	-2		650	4	42	147	2938	0.26	20.0	0.53	54.8
564.0	827306	SCH	AV: 8/02/96	GT	A-I/v	Pending	25	120	169	-2		736	2	32	112	2218	0.21	19.8	0.56	15.9
615.6	827307	SCH	AV: 8/02/96	GT	A-I	Pending	86	11	167	-2		1227	8	188	140	2578	0.22	18.4	0.51	39.3
640.5	827308	SCH	AV: 8/02/96	GT	A-I	Pending	8	-5	279	-2		427	-2	115	84	1679	0.16	20.0	0.57	11.2
663.5	827309	SCH	AV: 8/02/96	GT	A-I/v	Pending	7	-5	80	-2		451	2	89	70	1379	0.13	19.7	0.57	8.5
697.2	827310	SCH	AV: 8/02/96	GT	A-I/v	Pending	33	92	528	-2		610	8	47	151	3058	0.17	20.3	0.34	44.4

715058

	WHOLEROCK											ISOTOPES							
	SiO2	TiO2	Al2O3	Fe2O3	MnO	MgO	CaO	Na2O	K2O	S	LOI	TOTAL	Pb	STABLE					
	wt%	wt%	wt%	wt%	wt%	wt%	wt%	wt%	wt%	wt%	wt%	wt%	MIN	207/204	206/204	MIN	d34S	d13C	d18O
	OX408	OX408	OX408	OX408	OX408	OX408	OX408	OX408	OX408	OX408	OM615	OX408							
827304	50.80	0.52	17.70	11.17	0.17	6.08	2.01	6.63	0.18	0.01	4.18	99.80							
827305	54.90	0.49	17.60	9.39	0.12	5.06	1.22	4.56	1.95	0.01	3.85	99.60							
827306	49.80	0.37	14.00	4.45	0.14	1.31	12.25	4.99	1.96	0.01	10.42	99.90							
827307	52.40	0.43	14.70	7.70	0.15	5.51	7.40	3.32	1.43	0.02	6.03	99.40							
827308	23.00	0.28	8.76	5.21	0.11	2.73	30.60	1.97	1.38	0.01	25.65	99.70							
827309	20.90	0.23	7.88	4.00	0.11	2.00	33.65	1.75	1.29	0.00	27.92	99.80							
827310	54.80	0.51	17.90	8.36	0.14	3.75	2.11	4.77	1.74	0.82	3.82	100.10							

715089

APPENDIX VI

ABERFOYLE EXPLORATION

DRILL CORE DATA LEDGER INTERVAL SAMPLES

LICENCE: EL103/87
TOTAL: 66 samples

DRILLHOLE BL-007

PROSPECT: BSL

FROM (m)	TO (m)	SAMPLE#	TYPE	COLLECTED	ORE SUITE							TRACE SUITE				CALCULATED		
					Cu	Pb	Zn	Ag	Au	Ba	As	Cr	Zr	Tl	P2O6	Ti/Zr	P2O5/TIO2	AI
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt%			
					GA101	GA101	GA101	GA101	GG309	GX401	GX401	GX401	GX401	GX401	OX408			
107.0	117.0	827235	CGI	AV: 15/02/96	248	2512	405	-2	-0.008	1942	10	42	111	1978	0.21	17.8	0.65	20.6
117.0	128.0	827236	CGI	AV: 15/02/96	130	704	516	-2	-0.008	731	-2	36	105	1978	0.18	18.8	0.53	16.1
128.0	136.5	827237	CGI	AV: 15/02/96	99	679	687	-2	-0.008	665	2	42	120	2278	0.22	19.0	0.57	21.5
136.5	138.1	827238	CGI	AV: 15/02/96	79	26	704	-2	-0.008	383	7	45	128	2518	0.21	19.7	0.51	40.2
138.1	152.9	827239	CGI	AV: 15/02/96	69	46	816	-2	-0.008	1362	10	47	134	2578	0.21	19.2	0.50	42.0
152.9	154.0	827240	CGI	AV: 15/02/96	91	-5	506	-2	-0.008	1169	9	33	84	1619	0.14	19.3	0.53	45.6
154.0	164.0	827241	CGI	AV: 15/02/96	75	10	686	-2	-0.008	1296	13	48	128	2578	0.22	20.1	0.50	40.2
164.0	174.0	827242	CGI	AV: 15/02/96	55	-5	975	-2	-0.008	630	10	47	132	2638	0.22	20.0	0.49	38.0
174.0	184.0	827243	CGI	AV: 15/02/96	56	-5	1384	-2	-0.008	454	6	47	125	2518	0.21	20.1	0.49	41.0
184.0	194.0	827244	CGI	AV: 15/02/96	53	6	1207	-2	-0.008	388	9	51	144	2638	0.22	18.3	0.51	41.1
194.0	209.3	827245	CGI	AV: 15/02/96	58	-5	837	-2	-0.008	705	8	50	137	2698	0.22	19.7	0.49	41.8
209.3	219.3	827246	CGI	AV: 15/02/96	35	-5	577	2	0.008	96	14	49	134	2638	0.22	19.7	0.50	19.3
219.3	229.3	827247	CGI	AV: 15/02/96	20	-5	529	-2	-0.008	143	5	55	133	2638	0.22	19.8	0.50	18.7
229.3	239.3	827248	CGI	AV: 15/02/96	18	-5	649	-2	-0.008	94	3	53	135	2578	0.23	19.1	0.54	22.1
239.3	249.3	827250	CGI	AV: 15/02/96	41	-5	826	-2	-0.008	275	5	48	138	2518	0.22	18.2	0.53	27.7
249.3	259.3	827251	CGI	AV: 15/02/96	17	-5	853	-2	-0.008	100	4	51	135	2638	0.23	19.5	0.53	27.0
259.3	269.3	827252	CGI	AV: 15/02/96	13	-5	1222	-2	-0.008	132	4	55	147	2818	0.24	19.2	0.51	30.9
269.3	279.3	827253	CGI	AV: 15/02/96	17	-5	1361	-2	-0.008	272	7	48	146	2818	0.24	19.3	0.51	38.3
279.3	289.3	827254	CGI	AV: 15/02/96	45	9	1499	-2	-0.008	1145	10	52	139	2818	0.24	20.3	0.51	46.8
289.3	299.3	827255	CGI	AV: 15/02/96	86	8	1510	-2	-0.008	1163	7	49	144	2818	0.23	19.6	0.50	47.0
299.3	309.3	827256	CGI	AV: 15/02/96	78	10	1469	-2	-0.008	1671	9	44	133	2638	0.21	19.8	0.48	47.2
309.3	319.3	827257	CGI	AV: 15/02/96	168	10	1451	-2	-0.008	875	4	40	117	2278	0.19	19.5	0.51	32.7
319.3	324.0	827258	CGI	AV: 15/02/96	40	-5	1013	-2	-0.008	970	6	41	129	2458	0.21	19.1	0.52	40.8
324.0	326.5	827259	CGI	AV: 15/02/96	10	9	386	-2	-0.008	437	-2	14	39	839	0.08	21.5	0.56	6.5
326.5	336.5	827260	CGI	AV: 15/02/96	26	5	1179	-2	-0.008	949	10	39	133	2698	0.22	20.3	0.50	45.1
336.5	346.5	827261	CGI	AV: 15/02/96	76	17	1236	-2	-0.008	1494	15	43	140	2818	0.23	20.1	0.50	49.2
346.5	356.5	827262	CGI	AV: 15/02/96	77	266	761	-2	-0.008	1484	13	43	137	2698	0.23	19.7	0.50	42.7
356.5	366.5	827263	CGI	AV: 15/02/96	32	-5	863	-2	-0.008	849	9	39	136	2578	0.22	19.0	0.52	36.7

715001

DRILLHOLE BL-007

PROSPECT: BSL

WHOLEROCK

FROM (m)	TO (m)	SAMPLE#	SiO2 wt%	TiO2 wt%	Al2O3 wt%	Fe2O3 wt%	MnO wt%	MgO wt%	CaO wt%	Na2O wt%	K2O wt%	S wt%	LOI wt%	TOTAL wt%
			OX408	OX408	OX408	OX408	OX408	OX408	OX408	OX408	OX408	OX408	OM615	OX408
107.0	117.0	827235	59.40	0.33	12.60	5.52	0.17	1.98	8.45	4.06	1.26	0.07	5.65	99.80
117.0	128.0	827236	51.50	0.33	12.30	5.69	0.17	2.78	12.33	4.58	0.46	0.06	9.55	99.90
128.0	136.5	827237	54.40	0.38	13.60	7.09	0.17	3.11	8.29	5.26	0.61	0.02	7.13	100.30
136.5	138.1	827238	50.40	0.42	15.50	9.89	0.25	6.10	4.88	4.71	0.34	0.00	7.40	100.20
138.1	152.9	827239	54.40	0.43	16.00	8.41	0.20	5.62	4.36	4.88	1.06	0.01	4.33	100.00
152.9	154.0	827240	63.50	0.27	12.10	7.78	0.17	4.90	4.11	2.88	0.97	0.00	3.02	99.90
154.0	164.0	827241	52.90	0.43	15.60	8.54	0.19	5.54	5.42	4.57	1.18	0.01	4.80	99.40
164.0	174.0	827242	54.40	0.44	15.50	8.06	0.19	5.39	4.35	5.39	0.57	0.01	5.31	99.90
174.0	184.0	827243	54.60	0.42	15.60	8.38	0.21	5.85	3.89	5.29	0.53	0.00	5.17	100.30
184.0	194.0	827244	55.70	0.44	15.90	8.16	0.20	5.91	3.19	5.88	0.41	0.00	4.35	100.40
194.0	209.3	827245	55.10	0.45	15.60	8.43	0.18	5.88	3.09	5.57	0.35	0.04	5.02	99.90
209.3	219.3	827246	49.70	0.44	14.40	6.90	0.13	3.62	9.41	6.22	0.12	0.08	8.87	100.10
219.3	229.3	827247	49.50	0.44	14.40	7.41	0.12	3.50	9.40	6.29	0.11	0.00	9.02	100.50
229.3	239.3	827248	53.40	0.43	14.60	7.49	0.12	3.62	6.85	6.28	0.11	0.00	7.00	100.20
239.3	249.3	827250	51.60	0.42	15.60	8.20	0.16	4.63	5.98	6.41	0.11	0.01	6.75	100.20
249.3	259.3	827251	51.90	0.44	15.20	8.61	0.18	4.38	5.93	6.26	0.14	0.00	6.62	100.00
259.3	269.3	827252	51.30	0.47	15.50	8.54	0.21	5.10	5.89	5.98	0.20	0.00	6.86	100.40
269.3	279.3	827253	55.30	0.47	15.80	8.41	0.20	5.35	3.12	6.00	0.30	0.00	4.97	100.40
279.3	289.3	827254	53.60	0.47	16.00	8.76	0.23	6.09	2.92	5.09	0.97	0.00	5.02	99.50
289.3	299.3	827255	54.60	0.47	16.00	8.65	0.23	6.04	3.15	4.91	1.10	0.00	5.13	100.60
299.3	309.3	827256	54.10	0.44	14.90	7.82	0.21	5.87	4.34	3.99	1.59	0.01	6.06	99.70
309.3	319.3	827257	49.30	0.38	13.20	7.14	0.26	5.32	9.45	3.65	1.04	0.01	9.87	99.90
319.3	324.0	827258	53.10	0.41	14.90	8.10	0.24	5.54	5.06	4.49	1.05	0.02	6.73	99.90
324.0	326.5	827259	19.70	0.14	5.53	2.87	0.41	2.14	36.60	1.79	0.54	0.02	30.01	99.90
326.5	336.5	827260	53.90	0.45	15.30	8.42	0.22	5.72	4.02	4.53	1.30	0.04	6.12	100.30
336.5	346.5	827261	52.90	0.47	15.60	8.60	0.23	5.94	3.79	4.00	1.60	0.05	5.75	99.30
346.5	356.5	827262	54.80	0.45	15.60	7.99	0.19	5.11	4.04	4.45	1.22	0.05	5.34	99.50
356.5	366.5	827263	59.60	0.43	15.60	7.58	0.11	3.44	2.48	5.49	1.19	0.05	3.99	100.20

7150092

DRILLHOLE BL-007

PROSPECT: BSL

FROM (m)	TO (m)	SAMPLE#	TYPE	COLLECTED	ORE SUITE							TRACE SUITE				CALCULATED		
					Cu ppm GA101	Pb ppm GA101	Zn ppm GA101	Ag ppm GA101	Au ppm GG309	Ba ppm GX401	As ppm GX401	Cr ppm GX401	Zr ppm GX401	Ti ppm GX401	P2O5 wt% OX408	Ti/Zr	P2O5/TIO2	Al
366.5	376.5	827264	CGI	AV: 15/02/96	20	-5	425	-2	-0.008	2404	4	32	118	2218	0.19	18.8	0.52	31.6
376.5	386.5	827265	CGI	AV: 15/02/96	27	-5	456	-2	-0.008	1093	4	34	113	2218	0.19	19.6	0.52	24.9
386.5	396.5	827266	CGI	AV: 15/02/96	87	-5	422	-2	-0.008	855	5	33	124	2338	0.20	18.9	0.52	25.2
396.5	406.5	827267	CGI	AV: 15/02/96	22	13	562	-2	-0.008	1154	5	37	135	2578	0.23	19.1	0.54	31.2
406.5	416.5	827268	CGI	AV: 15/02/96	140	1219	428	-2	-0.008	1303	4	32	125	2338	0.21	18.7	0.53	24.1
416.5	426.5	827269	CGI	AV: 15/02/96	67	72	668	-2	-0.008	1221	7	36	137	2638	0.23	19.3	0.52	32.1
426.5	436.5	827270	CGI	AV: 15/02/96	51	18	929	-2	-0.008	1487	6	36	134	2578	0.23	19.2	0.53	37.1
436.5	446.5	827271	CGI	AV: 15/02/96	40	39	325	-2	-0.008	1333	8	40	134	2458	0.22	18.3	0.53	30.1
446.5	456.5	827272	CGI	AV: 15/02/96	80	55	247	-2	-0.008	2127	10	37	137	2578	0.22	18.8	0.50	32.2
456.5	464.7	827273	CGI	AV: 15/02/96	70	35	331	-2	-0.008	1087	10	41	142	2698	0.23	19.0	0.52	34.6
464.7	466.2	827274	CGI	AV: 15/02/96	6	13	75	-2	-0.008	107	-2	-5	14	300	0.03	21.4	0.62	2.0
466.2	476.2	827275	CGI	AV: 15/02/96	59	61	376	-2	-0.008	1274	6	33	125	2338	0.20	18.7	0.52	27.5
476.2	486.2	827276	CGI	AV: 15/02/96	60	29	684	-2	-0.008	1719	6	35	132	2518	0.22	19.1	0.52	36.9
486.2	496.2	827277	CGI	AV: 15/02/96	29	38	619	-2	-0.008	1426	4	35	125	2458	0.21	19.7	0.51	31.7
496.2	506.2	827278	CGI	AV: 15/02/96	41	48	255	-2	0.008	1286	8	37	134	2398	0.21	17.9	0.52	25.5
506.2	516.2	827279	CGI	AV: 15/02/96	250	25	463	-2	-0.008	687	4	35	126	2458	0.21	19.5	0.50	28.6
516.2	526.2	827281	CGI	AV: 15/02/96	14	-5	431	-2	-0.008	636	4	39	132	2458	0.21	18.6	0.51	25.6
526.2	536.2	827282	CGI	AV: 15/02/96	29	8	574	-2	-0.008	741	8	43	144	2698	0.23	18.7	0.52	32.1
536.2	546.2	827283	CGI	AV: 15/02/96	39	20	579	-2	-0.008	754	4	36	137	2638	0.23	19.3	0.52	30.8
546.2	556.2	827284	CGI	AV: 15/02/96	12	26	430	-2	0.022	262	2	34	125	2338	0.20	18.7	0.51	20.8
556.2	563.3	827285	CGI	AV: 15/02/96	16	7	361	-2	-0.008	734	2	36	133	2398	0.22	18.0	0.54	21.2
563.3	567.1	827286	CGI	AV: 15/02/96	21	16	287	-2	-0.008	913	3	27	103	1918	0.18	18.6	0.57	11.8
567.1	577.1	827287	CGI	AV: 15/02/96	25	8	248	-2	-0.008	936	4	31	126	2278	0.21	18.1	0.56	23.1
577.1	587.1	827288	CGI	AV: 15/02/96	16	-5	214	-2	-0.008	1133	4	32	128	2338	0.21	18.3	0.54	24.2
587.1	597.1	827289	CGI	AV: 15/02/96	33	-5	345	-2	-0.008	824	3	33	118	2338	0.21	19.8	0.54	21.8
597.1	607.1	827290	CGI	AV: 15/02/96	73	25	275	-2	0.008	1265	10	43	123	2458	0.22	20.0	0.55	36.8
607.1	618.7	827291	CGI	AV: 15/02/96	55	38	173	-2	-0.008	928	9	193	127	2278	0.19	17.9	0.51	20.9
618.7	620.0	827292	CGI	AV: 15/02/96	12	12	39	-2	-0.008	3006	-2	18	13	300	0.05	23.1	1.02	1.9
620.0	630.4	827293	CGI	AV: 15/02/96	49	18	169	-2	-0.008	560	8	150	115	1859	0.16	16.2	0.53	16.9
630.4	631.4	827294	CGI	AV: 15/02/96	359	22	35	-2	-0.008	114	2	14	23	480	0.07	20.9	0.82	1.4
631.4	640.5	827295	CGI	AV: 15/02/96	11	12	438	-2	-0.008	502	7	178	127	2218	0.19	17.5	0.51	15.5
640.5	641.4	827296	CGI	AV: 15/02/96	24	53	59	-2	-0.008	415	6	11	16	300	0.06	18.8	1.26	2.2
641.4	651.4	827297	CGI	AV: 15/02/96	16	11	148	-2	-0.008	309	5	91	60	1019	0.12	17.0	0.68	5.6

916093

DRILLHOLE BL-007

PROSPECT: BSL

WHOLEROCK

FROM (m)	TO (m)	SAMPLE#	SiO2 wt% OX408	TiO2 wt% OX408	Al2O3 wt% OX408	Fe2O3 wt% OX408	MnO wt% OX408	MgO wt% OX408	CaO wt% OX408	Na2O wt% OX408	K2O wt% OX408	S wt% OX408	LOI wt% OM615	TOTAL wt% OX408
366.5	376.5	827264	58.40	0.37	14.20	6.69	0.11	2.62	4.87	4.60	1.75	0.06	5.63	99.50
376.5	386.5	827265	57.50	0.37	13.20	5.57	0.10	2.13	7.60	4.31	1.81	0.04	7.35	100.20
386.5	396.5	827266	57.90	0.39	14.10	5.18	0.10	1.76	6.91	4.63	2.13	0.01	6.64	99.90
396.5	406.5	827267	54.10	0.43	15.80	6.75	0.12	2.90	6.36	4.71	2.13	0.01	6.39	99.90
406.5	416.5	827268	52.80	0.39	14.60	5.80	0.16	2.80	8.93	4.76	1.55	0.03	7.47	99.40
416.5	426.5	827269	51.70	0.44	15.70	7.42	0.18	4.25	6.35	5.14	1.19	0.01	6.76	99.40
426.5	436.5	827270	52.10	0.43	15.60	7.74	0.22	5.11	6.49	4.36	1.30	0.00	6.89	100.50
436.5	446.5	827271	53.20	0.41	15.10	7.14	0.17	3.99	8.13	3.92	1.21	0.00	6.12	99.60
446.5	456.5	827272	51.50	0.43	15.10	7.33	0.18	4.32	8.67	3.70	1.56	0.02	6.51	99.50
456.5	464.7	827273	52.40	0.45	15.80	7.97	0.19	4.88	6.73	4.44	1.03	0.01	6.44	100.50
464.7	466.2	827274	27.50	0.05	2.75	1.57	0.33	0.71	36.72	0.82	0.07	0.00	28.52	99.10
466.2	476.2	827275	48.00	0.39	14.00	7.29	0.18	4.31	10.97	3.48	1.17	0.01	9.13	99.20
476.2	486.2	827276	52.20	0.42	15.40	7.35	0.17	4.58	6.98	3.87	1.77	0.01	6.72	99.80
486.2	496.2	827277	51.80	0.41	15.50	7.45	0.17	3.93	7.34	4.53	1.58	0.01	7.22	100.10
496.2	506.2	827278	55.60	0.40	15.20	6.04	0.13	2.82	7.22	4.86	1.32	0.01	5.54	99.30
506.2	516.2	827279	54.30	0.41	14.50	6.60	0.14	3.36	6.65	4.99	1.31	0.02	7.11	99.60
516.2	526.2	827281	53.00	0.41	15.00	6.04	0.14	3.07	7.27	5.50	1.32	0.02	7.57	99.60
526.2	536.2	827282	53.50	0.45	16.20	6.82	0.16	3.92	5.46	5.55	1.28	0.00	6.10	99.70
536.2	546.2	827283	53.60	0.44	15.70	6.76	0.15	3.84	5.89	5.50	1.24	0.01	6.26	99.60
546.2	556.2	827284	55.40	0.39	14.50	5.65	0.13	2.81	7.30	5.88	0.66	0.02	7.25	100.20
556.2	563.3	827285	55.40	0.40	14.70	5.30	0.11	2.03	7.62	5.60	1.53	0.04	7.09	100.00
563.3	567.1	827286	48.50	0.32	12.00	4.24	0.18	1.34	14.72	4.69	1.26	0.02	12.52	100.00
567.1	577.1	827287	53.60	0.38	14.80	5.22	0.13	1.98	8.44	5.04	2.08	0.02	7.95	99.80
577.1	587.1	827288	55.10	0.39	14.90	5.38	0.11	1.87	7.80	5.07	2.25	0.00	6.90	100.00
587.1	597.1	827289	50.30	0.39	13.90	5.94	0.17	2.87	10.53	4.74	1.38	0.00	9.64	100.10
597.1	607.1	827290	52.60	0.41	14.70	7.61	0.19	5.06	7.55	3.45	1.35	0.02	6.48	99.60
607.1	618.7	827291	41.90	0.38	12.60	6.88	0.17	4.17	16.40	3.34	1.05	0.04	12.83	99.90
618.7	620.0	827292	11.20	0.05	1.40	0.87	0.11	0.89	47.23	0.79	0.05	0.11	37.33	100.00
620.0	630.4	827293	37.10	0.31	10.70	5.50	0.14	4.22	21.21	3.25	0.74	0.01	16.75	100.20
630.4	631.4	827294	11.80	0.08	2.36	1.12	0.09	0.64	46.12	1.27	0.03	0.02	36.51	100.10
631.4	640.5	827295	37.60	0.37	12.30	6.61	0.14	3.45	18.40	4.24	0.71	0.02	16.33	100.30
640.5	641.4	827296	6.76	0.05	1.34	0.78	0.11	0.87	49.98	0.29	0.27	0.01	39.91	100.40
641.4	651.4	827297	17.90	0.17	5.83	3.31	0.17	2.01	37.80	2.06	0.37	0.00	30.60	100.30

715004

DRILLHOLE BL-007

PROSPECT: BSL

FROM (m)	TO (m)	SAMPLE#	TYPE	COLLECTED	ORE SUITE							TRACE SUITE				CALCULATED		
					Cu ppm GA101	Pb ppm GA101	Zn ppm GA101	Ag ppm GA101	Au ppm GG309	Ba ppm GX401	As ppm GX401	Cr ppm GX401	Zr ppm GX401	Ti ppm GX401	P2O5 wt% OX408	Ti/Zr	P2O5/TiO2	Al
551.4	661.4	827298	CGI	AV: 15/02/96	24	9	66	-2	-0.008	253	-2	88	55	1139	0.13	20.7	0.69	6.5
661.4	666.6	827299	CGI	AV: 15/02/96	52	8	90	-2	-0.008	481	-2	95	66	1319	0.13	20.0	0.60	7.1
666.6	676.6	827300	CGI	AV: 15/02/96	63	129	254	-2	-0.008	966	13	30	151	2698	0.17	17.9	0.39	42.7
676.6	686.6	827301	CGI	AV: 15/02/96	144	229	207	-2	-0.008	518	16	26	136	2398	0.17	17.6	0.43	33.5
686.6	699.7	827302	CGI	AV: 15/02/96	77	230	317	-2	-0.008	689	11	37	130	2638	0.17	20.3	0.38	37.2

715095

DRILLHOLE BL-007

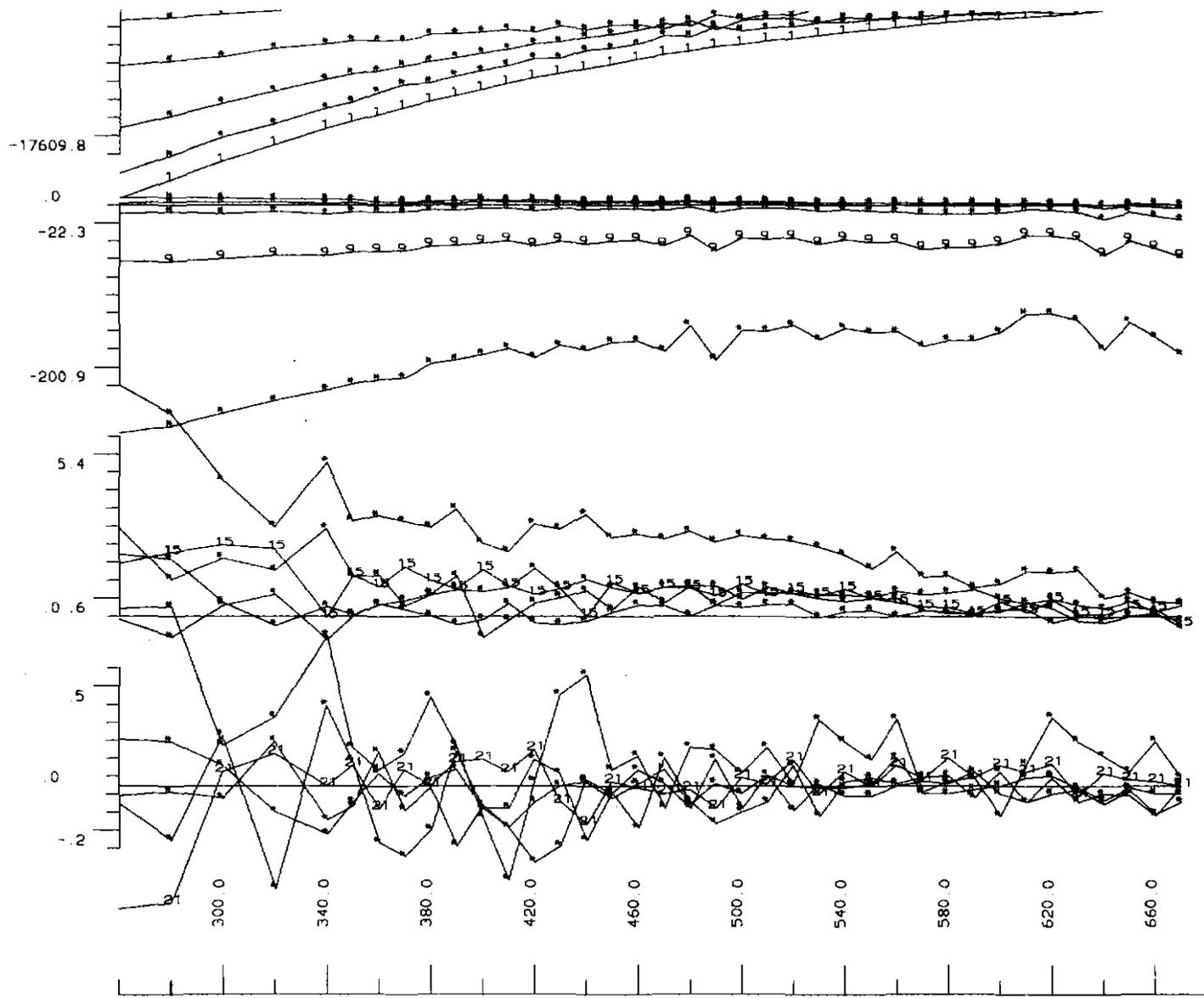
PROSPECT: BSL

WHOLEROCK

			SiO2	TiO2	Al2O3	Fe2O3	MnO	MgO	CaO	Na2O	K2O	S	LOI	TOTAL
			wt%											
FROM (m)	TO (m)	SAMPLE#	OX408	OM615	OX408									
651.4	661.4	827298	17.70	0.19	5.98	3.49	0.10	2.16	37.28	1.82	0.58	0.01	30.54	99.90
661.4	666.6	827299	18.80	0.22	6.77	3.72	0.16	1.72	36.58	1.35	1.17	0.01	29.83	100.50
666.6	676.6	827300	55.90	0.45	16.00	6.80	0.13	2.22	4.26	3.05	3.23	0.86	4.31	96.50
676.6	686.6	827301	58.00	0.40	14.70	5.84	0.13	2.47	5.07	3.59	1.89	0.94	5.73	98.00
686.6	699.7	827302	57.10	0.44	15.30	6.57	0.15	2.99	4.95	3.56	2.05	0.64	5.03	98.30

715000

APPENDIX VII



Datafile: obs\basdhem\b171 av

LOOP: 1

LINE: 7.00

Date Plotted: 29/01/96

Horiz scale 1: 2484.8

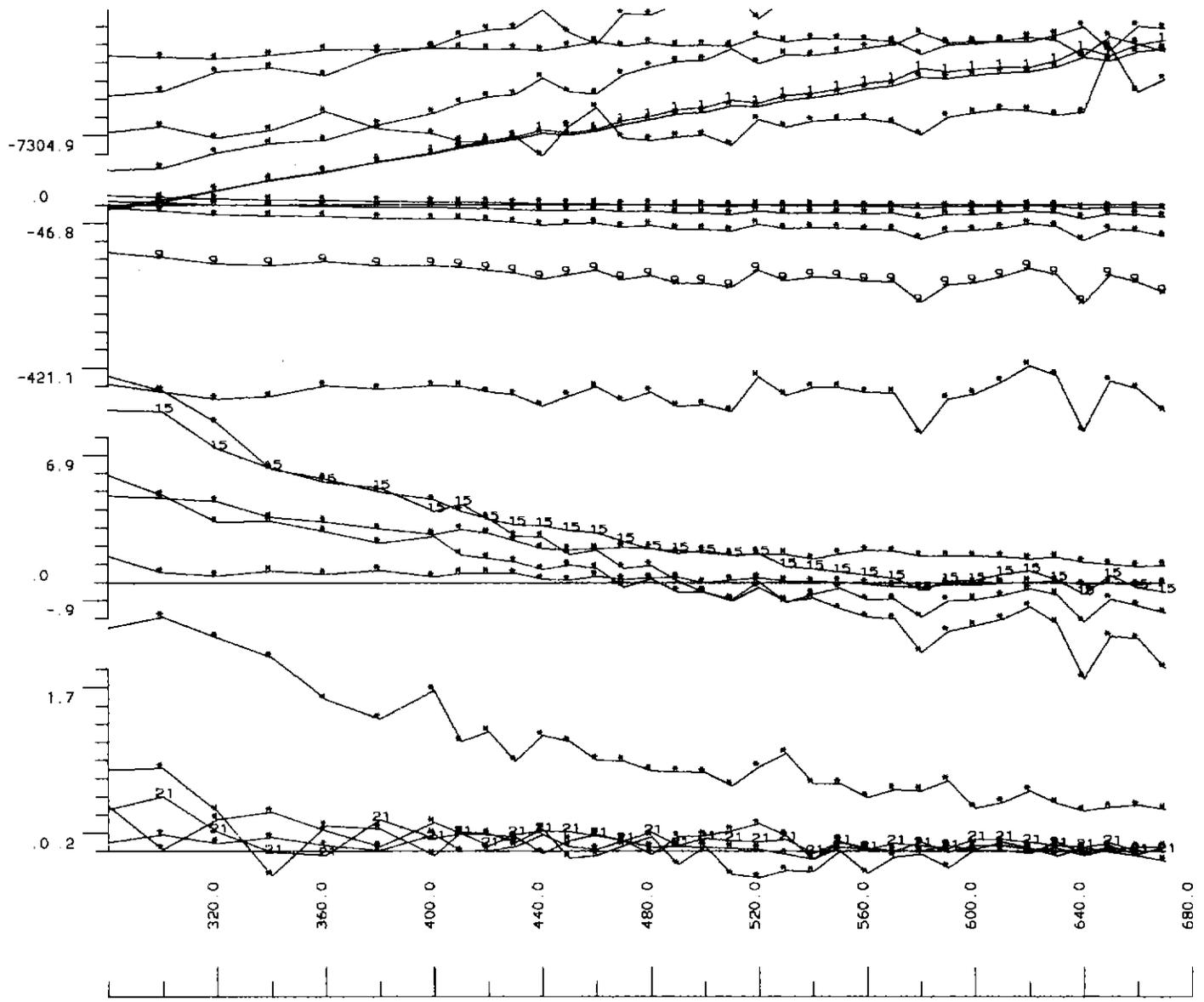
BL7 LOOP 1

READ/PLOTTED JWH

ABERFOYLE RESOURCES LTD

5 cm

718098



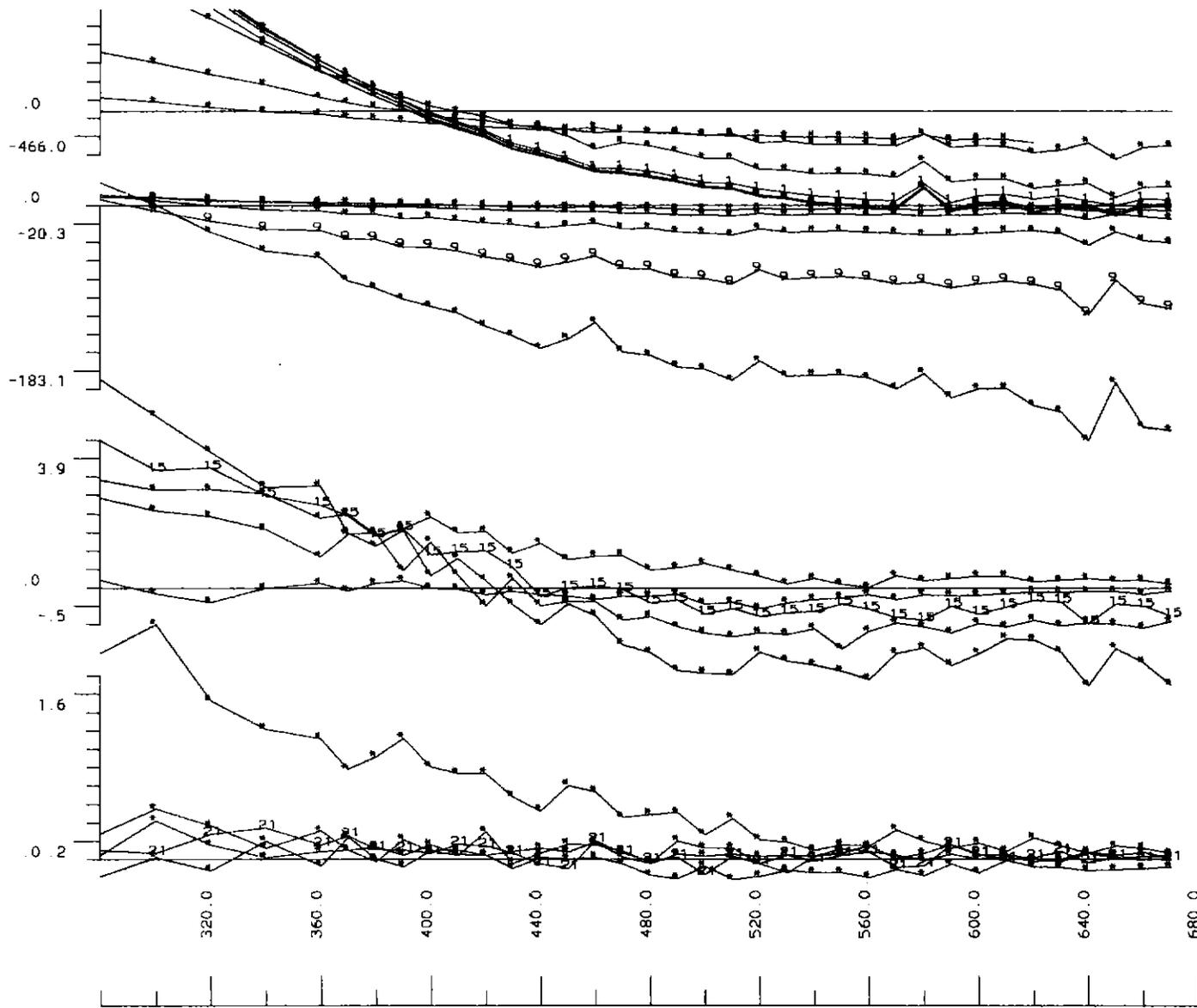
Datafile: obs\basdhem\b172.av
 LOOP: 2
 LINE: 7.00
 Date Plotted: 31/01/96
 Horiz scale 1: 2363.6

 BL7 LOOP 2

 READ/PLOTTED JWH
 ABERFOYLE RESOURCES LTD

5 cm

216000



Datafile: obs\basdhem\b173 av

LOOP: 3

LINE: 7.00

Date Plotted: 30/01/96

Horiz scale 1: 2363.6

BL7 LOOP 3

READ/PLOTTED JWH

ABERFOYLE RESOURCES LTD

5 cm

715100

PROGRAM: gms
 PROJECT: 96
 SECTION: 0211110
 E: 0.0
 N: 0.0
 Forward extent: 10.0
 Backward extent: 0.0
 Section length: 875.0
 File: 0211110.gms
 Plot file: 0211110.plt
 Plot file: 0211110.plt
 Plot file: 0211110.plt

LEGEND - Right Side

* HISTOGRAM *
 Element: Si
 Plot: SiO2
 Base value: 0.000
 Top value: 100.000
 Units: g/g
 Max dist: 10 mm

* HISTOGRAM *
 Element: Al
 Plot: Al2O3
 Base value: 0.000
 Top value: 24.000
 Units: g/g
 Max dist: 10 mm

* HISTOGRAM *
 Element: Fe
 Plot: Fe2O3
 Base value: 0.000
 Top value: 12.000
 Units: g/g
 Max dist: 10 mm

* HISTOGRAM *
 Element: Mn
 Plot: MnO
 Base value: 0.000
 Top value: 200.000
 Units: g/g
 Max dist: 10 mm

* HISTOGRAM *
 Element: Ba
 Plot: Ba
 Base value: 0.000
 Top value: 200.000
 Units: g/g
 Max dist: 10 mm

* HISTOGRAM *
 Element: LOI
 Plot: LOI
 Base value: 0.000
 Top value: 80.000
 Units: g/g
 Max dist: 10 mm

* HISTOGRAM *
 Element: Zr
 Plot: Zr
 Base value: 0.000
 Top value: 80.000
 Units: g/g
 Max dist: 10 mm

* HISTOGRAM *
 Element: Ti
 Plot: TiO2
 Base value: 0.000
 Top value: 0.000
 Units: g/g
 Max dist: 10 mm

* HISTOGRAM *
 Element: P
 Plot: P2O5
 Base value: 0.000
 Top value: 0.000
 Units: g/g
 Max dist: 10 mm

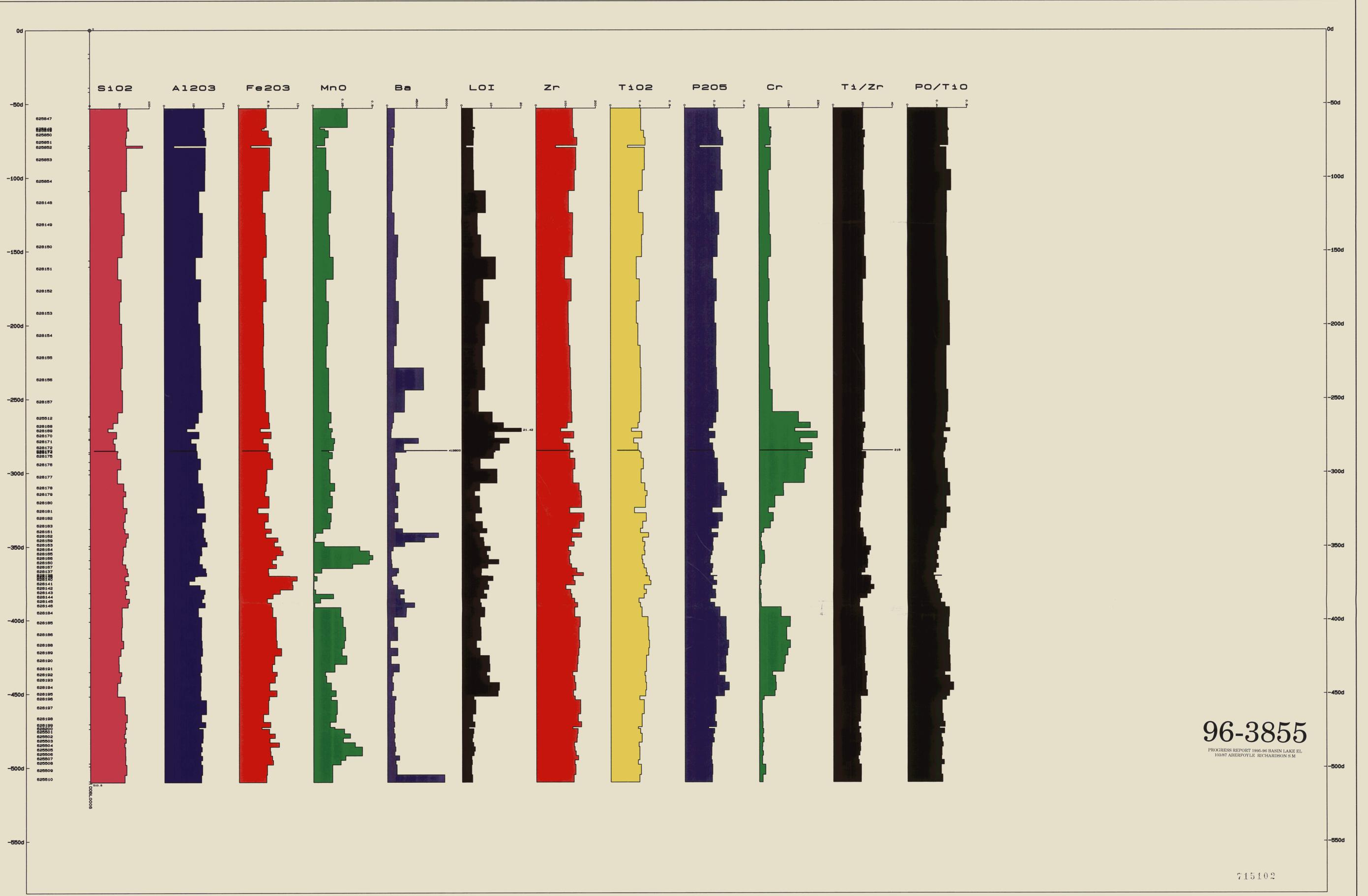
* HISTOGRAM *
 Element: Cr
 Plot: Cr
 Base value: 0.000
 Top value: 0.000
 Units: g/g
 Max dist: 10 mm

* HISTOGRAM *
 Element: Ti/Zr
 Plot: Ti/Zr
 Base value: 0.000
 Top value: 0.000
 Units: g/g
 Max dist: 10 mm

* HISTOGRAM *
 Element: P0/Ti0
 Plot: P0/Ti0
 Base value: 0.000
 Top value: 0.000
 Units: g/g
 Max dist: 10 mm

LEGEND - Left Side

* ANNOTATION *
 Element: Si
 Plot: SiO2



96-3855
 PROGRESS REPORT 1995-96 BASIN LAKE EL
 10387 ABERFOYLE RICHARDSON S M

715102



Aberfoyle Resources Limited EXPLORATION DIVISION			
Tasmania		Compiled: R06B	
Basin Lake E.L. 103/87		Drawn:	
Geochemical Profiles		Traced:	
DDH BL6 (sheet 1 of 2)		Checked: RNL	
Location Code:	Scale: 1 : 1000	Date: 11/03/96	Plate No.: BL65

PROGRAM: dhs
 PROSPECT: lmg
 SECTION definition:
 E: 0.0 285.0
 N: 0.0 0.0
 RL: -484.0 -300.0
 Forward extent: 10.0
 Backward extent: 10.0
 Section Strike: 90.0
 Section Length: 285.0
 PDF file: b167.pdf
 PCF file: b167.pcf
 PLOTfile: BL67.plt
 CRI file: b16.cri

LEGEND - Right Side

* HISTOGRAM *
 Dataset: asy
 Field Cu [ppm]
 Base value: 0.000
 Top value: 2500.000
 Units per mm: 62.500
 Max dist in mm: 40

* HISTOGRAM *
 Dataset: asy
 Field Pb [ppm]
 Base value: 0.000
 Top value: 2500.000
 Units per mm: 62.500
 Max dist in mm: 40

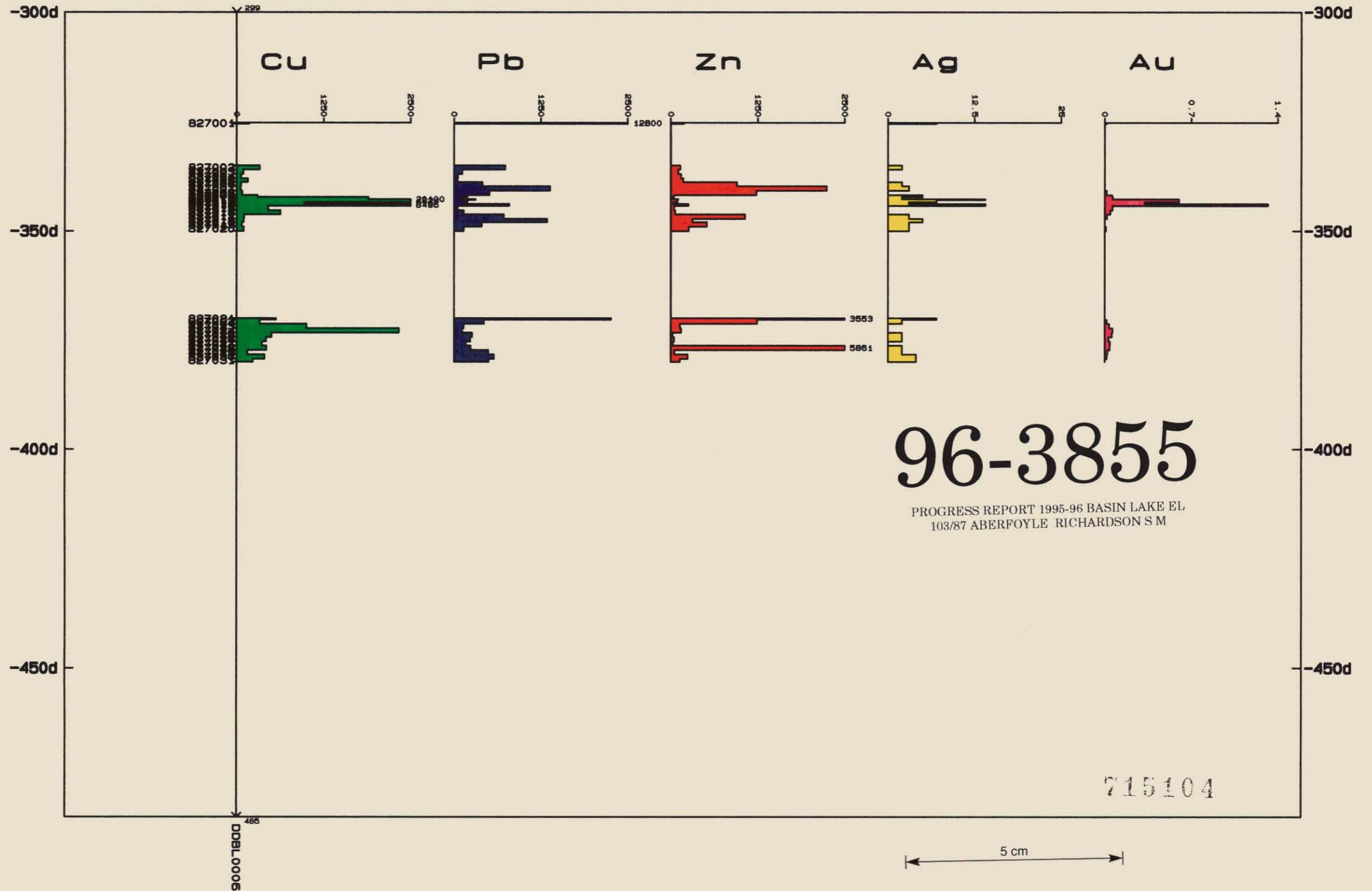
* HISTOGRAM *
 Dataset: asy
 Field Zn [ppm]
 Base value: 0.000
 Top value: 2500.000
 Units per mm: 62.500
 Max dist in mm: 40

* HISTOGRAM *
 Dataset: asy
 Field Ag [ppm]
 Base value: 0.000
 Top value: 25.000
 Units per mm: 0.625
 Max dist in mm: 40

* HISTOGRAM *
 Dataset: asy
 Field Au [ppm]
 Base value: 0.000
 Top value: 1.400
 Units per mm: 0.035
 Max dist in mm: 40

LEGEND - Left Side

* ANNOTATION *
 Dataset: asy
 Field Sample



96-3855

PROGRESS REPORT 1995-96 BASIN LAKE EL
 103/87 ABERFOYLE RICHARDSON S M

Aberfoyle Resources Limited
 EXPLORATION DIVISION

REVISIONS	
INIT. DATE	INIT. DATE

Tasmania
 Basin Lake E.L.103/87
 Geochemical Profiles
 DDH BL6 Cut Zone

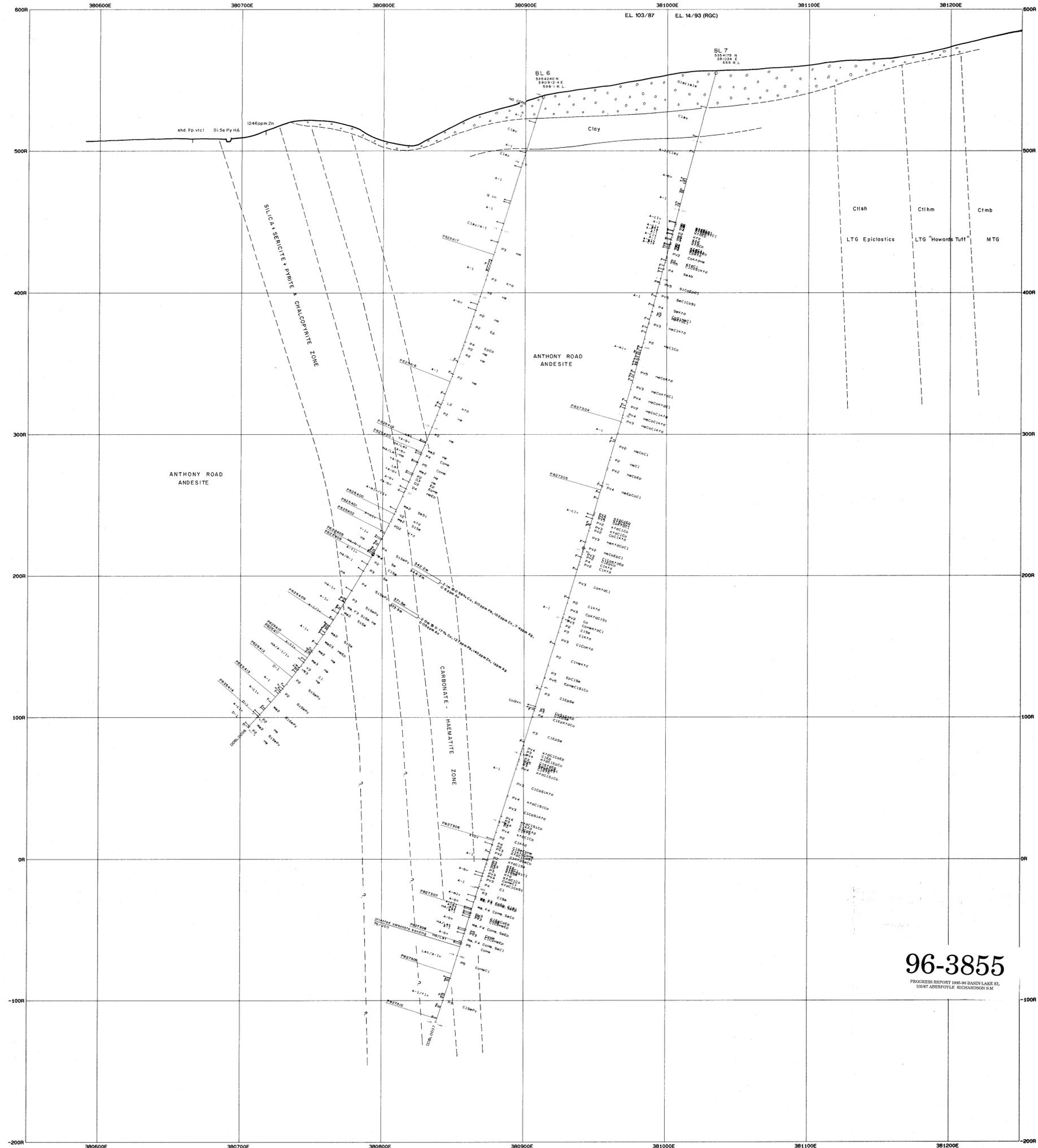
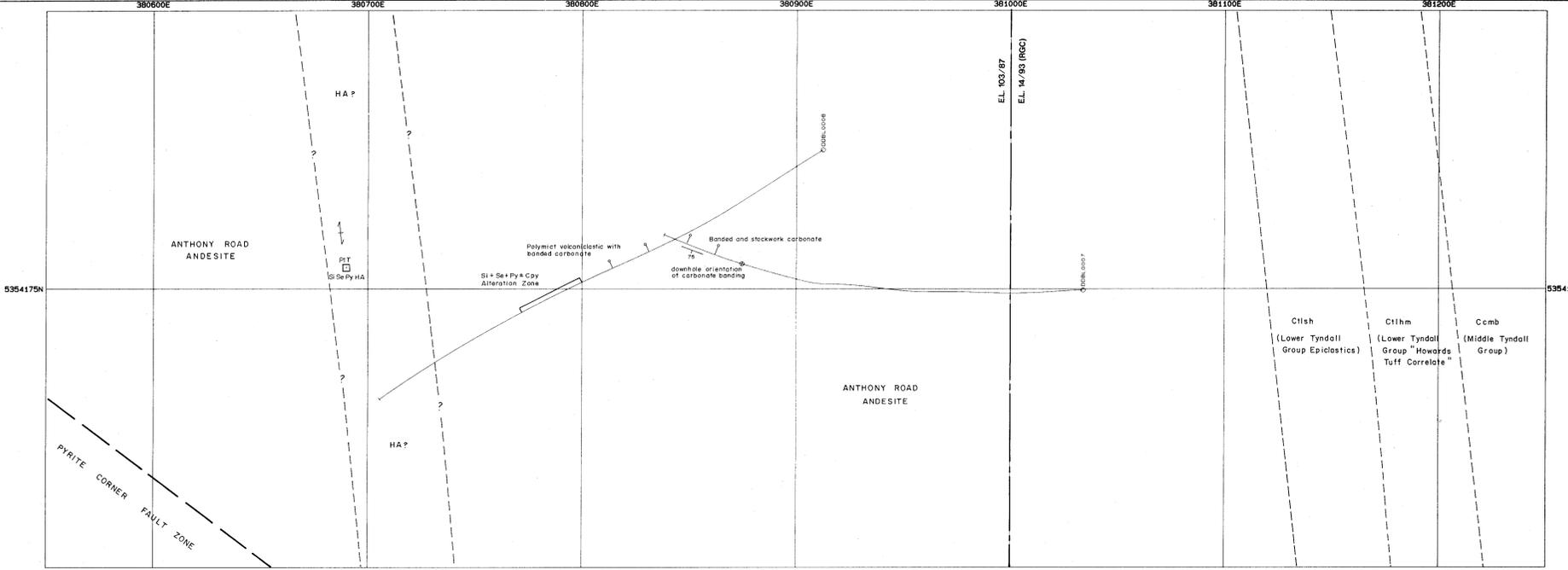
Compiled: RdeB
 Drawn: DHS6
 Traced:
 Checked: RHL
 Plate No.: BL67

Location Code:

Scale: 1 : 1000

Date: 11/03/96

PROGRAM: 004
 PROJECT: 96-3855
 SHEET: 5354175N
 DATE: 19/03/98
 DRAWN: JLR
 CHECKED: JLR
 APPROVED: JLR
 SCALE: 1:5000
 LEGEND: See page 1
 TITLE: Cross Section 5354175N
 DDH's BL6 and BL7



96-3855

PROGRESS REPORT 1985-86 BASIN LAKE RL
100% ABERFOYLE RICHARDSON S.M.

REVISIONS				Tasmania		Exploration Division	
NO.	DATE	BY	REVISION	NAME	DESIGNATION	NAME	DESIGNATION
1	19/03/98	JLR	Issue for printing	JLR	Geologist	JLR	Geologist
2							
3							
4							
5							

