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					RL (m)	538.1
STARTED	26-Jul-95	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:		COLLAR DEPTH (m)	0
COMPLETED	08-Oct-95			A 3 loop DHEM survey was completed with an offhole conductor detected and modelled at 150m below the hole.		DIP	-70.1
DESIGNED BY	RHL					AZIMUTH (amg)	238.8
LOGGED BY	RDH					AZIMUTH (grid)	
DRILLED BY	ALMAC Drilling	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.			LOCAL GRID	
DRILL RIG	Longyear 44					GRID EAST	
HOLE DEPTH	510.6					GRID NORTH	

CASING

FROM	TO	TYPE	ID (mm)
52	69	HQ	78
84	196	NQ	60

HOLE SIZE

FROM	TO	SIZE
0	19.2	HW
19.2	90.6	HQ
90.6	304	NQ
304	510.6	BQ

GEOCHEMISTRY

FROM	TO	WIDTH	Cu	Pb	Zn	Ag	Au	Ba	As
184.0	199.0	15.0	106	8500	602	13	0.012	1726	6
341.0	344.0	3.0	3685	322	249	3	0.302	7702	43
344.0	347.0	3.0	2166	383	609	3	0.266	5581	180
370.0	370.3	0.3	565	2261	3553	7	-0.008		
376.3	377.3	1.0	426	238	5861	2	0.039		
376.3	379.3	3.0	254	366	6591	-2	0.013	1516	130
472.6	473.8	1.2	56	811	6450	3	-0.008	903	20

SURVEY DATA

DEPTH	DIP	AMG AZ	GRID AZ	INSTRUMENT
0.0	-70.1	238.8		theodolite
25.0	-70.0	238.0		eastman
50.0	-69.8	237.0		eastman
75.0	-69.8	237.0		eastman
100.0	-69.5	237.0		eastman
125.0	-69.3	237.5		eastman
150.0	-69.0	238.0		eastman
175.0	-68.5	240.0		eastman
200.0	-67.5	241.8		eastman
225.0	-66.5	243.5		eastman
250.0	-66.0	244.5		eastman
275.0	-65.0	245.5		eastman
300.0	-64.5	246.0		eastman
325.0	-61.5	245.5		eastman
350.0	-57.8	244.5		eastman
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

DEPTH	DIP	AMG AZ	GRID AZ	INSTRUMENT

SUMMARY GEOLOGY

FROM	TO	UNIT	DESCRIPTION
0	15	Qg	Glacial gravels
15	262		Feldspar-hornblende phyric andesite lava
262	304		Feldspar phyric andesite lava with fragments and lenses of banded haematitic carbonate
304	338.5		Feldspar phyric andesitic volcaniclastics
338.5	339		Polymict lapilli epiclastic
339	351.7	HA	Intense SiSePy altered quartz phyric rock with 1-(5)% chalcopyrite as veins and disseminations
351.7	365		Se altered volcanic
365	391.7	HA	Intense SiSePy altered rock
391.7	451.8	Cova	Locally haematitic feldspar phyric andesite
451.8	470.5	Ccv	Weak-moderate SiSePy altered quartz phyric rhyolite
470.5	510.6	Cova	Weak-moderate SiSePy altered andesite

* H = hdr, V = svy, E = cas, D = drl, Y = asy, C = gch, G = geo, M = min, T = str, P = gp1, A = alt

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

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EXPLORATION DIVISION

HOLE No. BL6

PAGE 1 OF

GEO. SR

DATE 30-8-95

DIAMOND DRILL LOG

DRILLING			LITHOLOGY										VESICLES			ALTERATION			VEINING			MINERALISATION		FAULTS				FOLIATION		WEATHERING	STANDARD COLOUR LOG	REMARKS	SAMPLE NO.	DEPTH
DEPTH	DRILLING RUNS CORE LOSS	CORE TRAY NO.	STRATIGRAPHY	ROCK TYPE	COLOUR	VOLCANICLASTICS FRAGMENTS COMPOSITION	VOLCANICLASTICS FRAGMENTS MAX. SIZE (MM)	VOLCANICLASTICS FRAGMENTS SORTING	VOLCANICLASTICS FRAGMENTS SHAPE	VOLCANICLASTICS MATRIX COMPOSITION	VOLCANICLASTICS MATRIX VOLUME %	LOWER CONTACT GRADATION	LOWER CONTACT STYLE	CONCENTRATION	MAX. SIZE (MM)	SHAPE	TEXTURE	INTENSITY	MINERALOGY	INTENSITY	MAX. WIDTH (MM)	MINERALOGY	TEXTURE	MINERALOGY & CONTENTS	POSITION OF BASE	DOWNHOLE WIDTH (CM)	CORE AXIS ANGLE	GOUGE	TYPE	CORE AXIS ANGLE					
2				NoCo																												Casing advanced used to penetrate glacials		
4																																		
6																																		
8																																		
10																																		
12																																		
14																																		
16				16.0																														
18	-1.0	1		A-L	Cyg							S				19.0														3				
20	-1.3			19.0																										19.0				
22	-1.1																																	
24	-2.0																		24.0															
26	-1.7	2		CP	Bx											P	S	CP	?	?	Si													
28																			26.4															
30	-2.0																																	
32	-0.6																																	
34	-0.8	3																																
36	-0.6																																	
38	-0.3	4		37.0																														

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HOLE No. BL6

PAGE 2 OF

GEO. JR

DATE 30-8-95

DIAMOND DRILL LOG

DRILLING			LITHOLOGY										VESICLES			ALTERATION			VEINING			MINERALISATION		FAULTS				FOLIATION				REMARKS	SAMPLE NO.	DEPTH
DEPTH	DRILLING RUNS	CORE LOSS	STRATIGRAPHY	ROCK TYPE	COLOUR	VOLCANICLASTICS FRAGMENTS COMPOSITION	VOLCANICLASTICS FRAGMENTS MAX. SIZE (MM)	VOLCANICLASTICS FRAGMENTS SORTING	VOLCANICLASTICS FRAGMENTS SHAPE	VOLCANICLASTICS MATRIX COMPOSITION	VOLCANICLASTICS MATRIX VOLUME %	LOWER CONTACT GRADATION	LOWER CONTACT STYLE	CONCENTRATION	MAX. SIZE (MM)	SHAPE	TEXTURE	INTENSITY	MINERALOGY	INTENSITY	MAX. WIDTH (MM)	MINERALOGY	TEXTURE	MINERALOGY & CONTENTS	POSITION OF BASE	DOWNHOLE WIDTH (CM)	CORE AXIS ANGLE	GOUGE	TYPE	CORE AXIS ANGLE	WEATHERING	STANDARD COLOUR LOG			
41.8				A-L	Bn											41.8														F				
42																																		
44																																		
46				Cg	Bn											P	S	Cg											S					
48																																		
50																																		
52																																		
53.1																53.1													50.1					
54																																		
56																																		
58																																		
60				A-L	Bn											F	3	Cg											4					
62																																		
62.0																																		
64																																		
66																			66.0														
66																			3	200	Sil Fea												
68																			68.2														
70																																		
72																			1	30	Si												
74																																		
75.4																																		
76					Cg																													
78																																		
78.3																78.3			78.3														
79.8				Vn	Wh														5	150	Si Cl												

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HOLE No. BL6

PAGE 3 OF

GEO. RDH

DATE 16/10/95

DIAMOND DRILL LOG

DRILLING: DEPTH | DRILLING TIME | CORE LOSS | CORE TRAY NO.

LITHOLOGY: STRATIGRAPHY | ROCK TYPE | COLOUR | VOLCANICLASTICS: FRAGMENTS (COMPOSITION | MAX. SIZE (MM) | SORTING | SHAPE) | MATRIX (COMPOSITION | VOLUME %) | LOWER CONTACT (GRADATION | STYLE)

VESICLES: CONCENTRATION | MAX. SIZE (MM) | SHAPE

ALTERATION: TEXTURE | INTENSITY | MINERALOGY

VEINING: INTENSITY | MAX. WIDTH (MM) | MINERALOGY

MINERALISATION: TEXTURE | MINERALOGY & CONTENTS

FAULTS: POSITION OF BASE | DOWNHOLE WIDTH (CM) | CORE AXIS ANGLE | GOUGE

FOLIATION: TYPE | CORE AXIS ANGLE

WEATHERING

STANDARD COLOUR LOG

REMARKS

SAMPLE NO.

DEPTH

DEPTH	ROCK TYPE	COLOUR	CORE TRAY NO.
90	A-1	Gn	14
92			
94			
96			15
98			
100			16
102			
104			17
106			
108			18
110			
112			19
114			
116			20
118			
120			21
122			

95

Cy | A-1 | Gr

109

A-1 | Gn

REMARKS

This core is [illegible] up

HQ

NQ

This A-1 is [illegible] although some original [illegible] are still evident

[illegible] relict [illegible] hornblende phyric

[illegible] 30 cm wide

DEPTH	TEXTURE	INTENSITY	MINERALOGY
109	Vs	2	Hm
116.8	P	3	Hm
119.4	Vs	1	K-spar

DEPTH	INTENSITY	MAX. WIDTH (MM)	MINERALOGY
109	2	12	Cb Hm
113.9	1	35	Cb Qtz
116.6	2	45	Cb > Hm
119.4			

DEPTH	POSITION OF BASE	DOWNHOLE WIDTH (CM)	CORE AXIS ANGLE	GOUGE
115.2	16	7	8	

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EXPLORATION DIVISION

HOLE No. BL6

PAGE 4 OF

GEO. RDH

DATE 16/10/95

DIAMOND DRILL LOG

DRILLING

DEPTH | DRILLING RODS | CORE LOSS | CORE TRAY NO.

LITHOLOGY

STRATIGRAPHY | ROCK TYPE | COLOUR | VOLCANICLASTICS: FRAGMENTS (COMPOSITION | MAX. SIZE (MM) | SORTING | SHAPE); MATRIX (COMPOSITION | VOLUME %) | LOWER CONTACT (ERADATION | STYLE)

VESICLES

CONCENTRATION | MAX. SIZE (MM) | SHAPE

ALTERATION

TEXTURE | INTENSITY | MINERALOGY

VEINING

INTENSITY | MAX. WIDTH (MM) | MINERALOGY

MINERALISATION

TEXTURE | MINERALOGY & CONTENTS

FAULTS

POSITION OF BASE | CUMULATIVE WIDTH (CM) | CORE AXIS ANGLE | GOUGE

FOLIATION

TYPE | CORE AXIS ANGLE

WEATHERING

STANDARD COLOUR LOG

REMARKS

SAMPLE NO.

DEPTH

DEPTH	CORE TRAY NO.	STRATIGRAPHY	ROCK TYPE	COLOUR	VOLCANICLASTICS: FRAGMENTS (COMPOSITION	MAX. SIZE (MM)	SORTING	SHAPE); MATRIX (COMPOSITION	VOLUME %)	LOWER CONTACT (ERADATION	STYLE)	VESICLES (CONCENTRATION	MAX. SIZE (MM)	SHAPE)	ALTERATION (TEXTURE	INTENSITY	MINERALOGY)	VEINING (INTENSITY	MAX. WIDTH (MM)	MINERALOGY)	MINERALISATION (TEXTURE	MINERALOGY & CONTENTS)	FAULTS (POSITION OF BASE	CUMULATIVE WIDTH (CM)	CORE AXIS ANGLE	GOUGE)	FOLIATION (TYPE	CORE AXIS ANGLE)	WEATHERING	STANDARD COLOUR LOG	REMARKS	SAMPLE NO.	DEPTH
120																																120
122	21		A-I	Gn											Vg 1 K-spar Vn 2 Hm P 1 Hm 132.9	1 6 Sulph 2 26 Co+Hm 133.9																
124															P 3 K-Spar Vn 1 K-spar 133.5	2 24 K-spar 135.1																
126	22														Vn 2 Hm 156	3 12 Co+Hm 156																
128															Vn? 1 K-spar 156.6	2 Hn 4 ? Co+Hm 156.6																
130	23														? ? Hm 160	? ? Co+Hm 160																
132																																
134																																
136	24																															
138																																
140																																140
142	25																															
144																																
146																																
148	26																															
150																																
152	27																															
154																																
156			156.2																													
158	28		A-bx	Gn	A	72	F	SA	Co	30-50																						
160																																160

Zone of broken rock that is either a fault or a weathering feature

Hem-Hf appears to be related to the Co veins

K-Spar appears to be vein related and pervasive

Some Co veins have a purple tint - indicating possible Hem staining

Hem appears to be an alteration product

Have broken up to 2m thick broken core possibly due to intersecting of Co veins

This interval is dominated by Co-Hm & Hem alteration & Co.

71629

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HOLE No. BL6

PAGE 5 OF

GEO. RDH

DATE 22/10/95

DIAMOND DRILL LOG

DRILLING | LITHOLOGY | VESICLES | ALTERATION | VEINING | MINERALISATION | FAULTS | FOLIATION | WEATHERING | STANDARD COLOUR LOG | REMARKS | SAMPLE NO. | DEPTH

DEPTH | DRILLING RUNS | CORE LOSS | CORE TRAY NO. | STRATIGRAPHY | ROCK TYPE | COLOUR | VOLCANICLASTICS: FRAGMENTS: COMPOSITION, MAX. SIZE (MM), SORTING, SHAPE; MATRIX: COMPOSITION, VOLUME % | LOWER CONTACT: GRADATION, STYLE | VESICLES: CONCENTRATION, MAX. SIZE (MM), SHAPE | ALTERATION: TEXTURE, INTENSITY, MINERALOGY | VEINING: INTENSITY, MAX. WIDTH (MM), MINERALOGY | MINERALISATION: TEXTURE, MINERALOGY & CONTENTS | FAULTS: POSITION OF BASE, CUMULATIVE WIDTH (CM), CORE AXIS ANGLE, GOUGE | FOLIATION: TYPE, CORE AXIS ANGLE | WEATHERING | STANDARD COLOUR LOG | REMARKS | SAMPLE NO. | DEPTH

DEPTH	CORE TRAY NO.	STRATIGRAPHY	ROCK TYPE	COLOUR	VOLCANICLASTICS: FRAGMENTS: COMPOSITION	MAX. SIZE (MM)	SORTING	SHAPE	MATRIX: COMPOSITION	VOLUME %	LOWER CONTACT: GRADATION	STYLE	VESICLES: CONCENTRATION	MAX. SIZE (MM)	SHAPE	ALTERATION: TEXTURE	INTENSITY	MINERALOGY	VEINING: INTENSITY	MAX. WIDTH (MM)	MINERALOGY	MINERALISATION: TEXTURE	MINERALOGY & CONTENTS	FAULTS: POSITION OF BASE	CUMULATIVE WIDTH (CM)	CORE AXIS ANGLE	GOUGE	FOLIATION: TYPE	CORE AXIS ANGLE	WEATHERING	REMARKS	SAMPLE NO.	DEPTH
160	28	160.5	A-Ex A-1	Gn Bn	A	2?	P	SR-R																								Andesite is still generally feldspar + wht phyric	
162																																	
164	29																																
166																																	
168																																	
170	30																																
172																																	
174	31																																
176																																	
178																																	
180	32																																
182																																	
184	33																																
186																																	
188																																	
190	34																																
192																																	
194																																	
196	35																																
198																																	
200																																	

REMARKS

Andesite is still generally feldspar + wht phyric

Zone of weathered core possibly to where have been weathered

The K-Spar appears to have attacked original feldspars

Feldspar phenocrysts have a green tinge which may have been epidote altered

The Co is forming what appears to be a hydrous ox

What were original feldspar phenocrysts have a green tinge possibly due to K-

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EXPLORATION DIVISION

HOLE No. BL6

PAGE 6 OF

GEO. RDH

DATE 22/10/95

DIAMOND DRILL LOG

DRILLING: DEPTH | DRILLING RUNS | CORE LOSS | CORE TRAY NO.

LITHOLOGY: STRATIGRAPHY | ROCK TYPE | COLOUR | VOLCANICLASTICS: FRAGMENTS: COMPOSITION | MAX. SIZE (MM) | SORTING | SHAPE; MATRIX: COMPOSITION | VOLUME % | LOWER CONTACT: GRADATION | STYLE

VESICLES: CONCENTRATION | MAX. SIZE (MM) | SHAPE

ALTERATION: TEXTURE | INTENSITY | MINERALOGY

VEINING: INTENSITY | MAX. WIDTH (MM) | MINERALOGY

MINERALISATION: TEXTURE | MINERALOGY & CONTENTS

FAULTS: POSITION OF BASE | DOWNHOLE WIDTH (CM) | CORE AXIS ANGLE | GOUGE

FOLIATION: TYPE | CORE AXIS ANGLE

WEATHERING

STANDARD COLOUR LOG

REMARKS

SAMPLE NO.

DEPTH

Andesite ... Hbl, Fldspr phyric

DEPTH	CORE TRAY NO.
200	
204	36
208	37
212	38
216	39
220	40
224	41
228	42
232	43
236	
240	

DEPTH	ROCK TYPE	COLOUR
200	A-1	Gn-Bn

DEPTH	ALTERATION: TEXTURE	INTENSITY	MINERALOGY
200	P	1	Hbm
204.2			
	P	3	Kfm
	Vs	1	K-Spar 208.1
	P	2	Hbm 208.9
	P	1	Hbm
212.4			
	Vn	1	K-Spar 216.7
	P	1	Hbm
216.4			
	Vs	1	K-Spar
	P	1	Hbm
	Vn	1	Ep 218.6
	P	1	Hbm
229			
	Ds	2	K-Spar
231.2			
	Vs	1	K-Spar
	P	1	Hbm

DEPTH	VEINING: INTENSITY	MAX. WIDTH (MM)	MINERALOGY
200	2	24	Qtz Hbm
206			
	3	56	Qtz Hbm
208			
	1	48	Qtz Cl
	4r	9	Ep 210
	2	37	Qtz
213.3			
216.7			
218.6			
229			
231.2	4	6	Qtz Hbm
232.2	3	52	Qtz Hbm
233.2		6	Qtz Hbm
235.1			
	4	6	Qtz Hbm
	2	21	Qtz Cl

DEPTH	FAULTS: POSITION OF BASE	DOWNHOLE WIDTH (CM)	CORE AXIS ANGLE	GOUGE
209.5	6	7	RJ	
214	12	?	RJ	
232.6	8	50	Cl	
234.3	5	?	GJ	

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EXPLORATION DIVISION

HOLE No. RSL6

PAGE 7 OF

GEO. ROM

DATE 25/10/96

DIAMOND DRILL LOG

DRILLING
DEPTH | BLOCK | CORE LOSS | CORE TRAY NO.

LITHOLOGY
STRATIGRAPHY | ROCK TYPE | COLOUR | VOLCANICLASTICS: FRAGMENTS (COMPOSITION | MAX. SIZE (MM) | SORTING | SHAPE); MATRIX (COMPOSITION | VOLUME %) | LOWER CONTACT (EROSION | STYLE)

VESICLES
CONCENTRATION | MAX. SIZE (MM) | SHAPE

ALTERATION
TEXTURE | INTENSITY | MINERALOGY

VEINING
INTENSITY | MAX. WIDTH (MM) | MINERALOGY

MINERALISATION
TEXTURE | MINERALOGY & CONTENTS

FAULTS
POSITION OF CORE | CUMULATIVE WIDTH (CM) | CORE AXIS ANGLE | GOUGE

FOLIATION
TYPE | CORE AXIS ANGLE

WEATHERING

STANDARD COLOUR LOG

REMARKS

SAMPLE NO.

DEPTH

DEPTH	CORE TRAY NO.	ROCK TYPE	COLOUR	FRAGMENTS: COMPOSITION	MAX. SIZE (MM)	SORTING	SHAPE	MATRIX: COMPOSITION	MATRIX: VOLUME %	LOWER CONTACT: EROSION	LOWER CONTACT: STYLE
240	43	A-1	Co-Bn								
242											
244											
246	44										
248											
250											
252	46										
254											
256											
258	46										
260											
262		260.4 Lm?	W-P							S	C
264	47	YA-bv	Co	Co/Hm A	100	P	SR-A	Co+Py	85-90		
266											
268											
270	49	270.05 HA/Lm?								S	C
272		YA-bv 271.5	Co	A Co Hm K-Spar	96	P	SR-A	Co A	80	C1	C
274											
276	49	277 HA/LA-Hm?	P							S	C
278		YA-bv	Co	A Co/Hm	108	P	SR	Co A	60		
280	50										

DEPTH	TEXTURE	INTENSITY	MINERALOGY
240	Vs	1	K-Spar Hem 240.5
	P	2	
242			243.2
	P	1	Hm/
244	Vs	2	K-Spar 244.8
246	P	2	Hm
248			
250			
252			
254			
256			
258			
260			
262	M	2	Hm
264			
266			
268			
270	P	4	Co Hm
272			
274			
276	P	5	Co Hm
278	P	1	Hm 277.6 279
280	Dis	3	Co Hm

DEPTH	INTENSITY	MAX. WIDTH (MM)	MINERALOGY
240	2	2	QCaCl
242	1	10	Ca Hm 240.9
244			
246			
248			
250			
252			
254			
256			
258	4	3	Ca Hm 259 258.9
260	2	15	CaCl
262			
264			
266			
268			
270			
272			
274			
276			
278			
280			

DEPTH	TEXTURE	MINERALOGY & CONTENTS
240		
242		
244		
246		
248		
250		
252		
254		
256		
258		
260		
262		263.7
264	Rxm	Py 10-20
266		
268		
270		270-05
272		
274		
276		
278		
280		

DEPTH	POSITION OF CORE	CUMULATIVE WIDTH (CM)	CORE AXIS ANGLE	GOUGE
240	Lm 4	4	50	SCCl
242				
244				
246				
248				
250				
252				
254				
256				
258				
260				
262				
264				
266				
268				
270				
272	271.7	1	10	QCCl
274				
276				
278				
280				

Amount and size of Hbl phenocrysts has decreased markedly

Coarse fornis matrix to andesite hydraulic bx

This interval of predominantly Co with minor Hm in its alteration is similar to that of previous Co

This breccia is unusual as the matrix is formed by Co as well as clasts being Co

It is hard to determine whether this is primary Co or vein Co

Andesite is still strongly Hbl phyric

Note K-Spar - Andesite clasts silicified by K-Spar

This band of HA may be original primary Co with clasts or it may be a brecciated of primary Co

RSL6 277.00

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EXPLORATION DIVISION

HOLE No. BL6

PAGE 8 OF 13

GEO. ROA

DATE 26/10/85

DIAMOND DRILL LOG

DRILLING			LITHOLOGY											VESICLES			ALTERATION			VEINING			MINERALISATION		FAULTS				FOLIATION		WEATHERING	STANDARD COLOUR LOG	REMARKS	SAMPLE NO.	DEPTH
DEPTH	DRILLING RUNS	CORE LOSS	CORE TRAY NO.	STRATIGRAPHY	ROCK TYPE	COLOUR	VOLCANICLASTICS: FRAGMENTS: COMPOSITION	FRAGMENTS: MAX. SIZE (MM)	FRAGMENTS: SORTING	FRAGMENTS: SHAPE	VOLCANICLASTICS: MATRIX: COMPOSITION	MATRIX: VOLUME %	LOWER CONTACT: GRADATION	LOWER CONTACT: STYLE	CONCENTRATION	MAX. SIZE (MM)	SHAPE	TEXTURE	INTENSITY	MINERALOGY	INTENSITY	MAX. WIDTH (MM)	MINERALOGY	TEXTURE	MINERALOGY & CONTENTS	POSITION OF BASE	DOWNHOLE WIDTH (CM)	CORE AXIS ANGLE	GOUGE	TYPE	CORE AXIS ANGLE				SAMPLE NO.	DEPTH
280			50														Vn 2 Ep Ds - Ep Ha 2 Hem Ds 1 Hem			2 18 Calc 1 16 Ep														280
282																																		
284																																		
286			51		Y/A-bx 286	Gn	A Lo Hm	108	P	sR	Co A	60	S	C																					
					Lm? 289.1	W							S	C				P 2 Hem 289.1																	
290					Y/A-bx	Gn	A Lo Hm	101	P	sR	Co A	90						P 1 Hem Ds 3 Ep Ds 2 Hem 296			2 11 Ep 1 6 Calc														290
292			52										G	C																				
294					A-bx	Gn	A	94	P	sR-A	A	90						Vn 2 Ep Ds 2 Ep Ds 2 Hem 293.5			2 11 Ep 1 6 Calc														
296			53										G	C				Fr 3 Hem Ds 3 Ep Ds 4 Hem Pr 1 K-Spar 298																	
298																																		
300					Y/A-bx 301	Gn	A Co	96	P	sR-A	A Co	70-95	G	C				Ds 1 Hem 301																	300
302			54		A-mtx/clx	Gn-bg	A	38	P	sR	Si Se ?	60									1 3 Ep 1 8 Co Hm										C1	55			
304																		Ds 1 Hem 304																
306																		Vn 1 K-Spar Mn 1 Se Si 306.4			2 10 re Hem 1 82 Qtz K-Spar													
308																		Mn 2 Se Si																
310			55																															
312					310.6								G	C																				
314					A-mtx	Gn-bg	A	98	P	sR	Si Se ?	60																								
316			56															316																
318																		Vn 2 K-Spar 318			1 <80 Qtz K-Spar 2 40 Co Hm 319													
320																		Mn 1 Si Se			2 11 Co													

Have a massive Baryte vein (Massive Au ???)
Lm? appears to have possible primary bedding

Ep spotting may represent original Hbl?

have a strong foliation that may be a regional trend

NQ
BQ

The matrix is grey and relatively soft

Clash > 22 m see Rose there will have a similar appearance to footwall unit in pegmatite deposits!!!

log.0193L.mw

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HOLE No. BL6

PAGE 9 OF 13

GEO. RDH

DATE 26/10/95

DIAMOND DRILL LOG

DEPTH	DRILLING RUNS / CORE LOSS	CORE TRAY NO.	STRATIGRAPHY	ROCK TYPE	COLOUR	LITHOLOGY: VOLCANICLASTICS FRAGMENTS: COMPOSITION	FRAGMENTS: MAX. SIZE (MM)	FRAGMENTS: SORTING	FRAGMENTS: SHAPE	VOLCANICLASTICS MATRIX: COMPOSITION	MATRIX: VOLUME %	LOWER CONTACT: GRADATION	LOWER CONTACT: STYLE	VESICLES: CONCENTRATION	VESICLES: MAX. SIZE (MM)	VESICLES: SHAPE	ALTERATION: TEXTURE	ALTERATION: INTENSITY	ALTERATION: MINERALOGY	VEINING: INTENSITY	VEINING: MAX. WIDTH (MM)	VEINING: MINERALOGY	MINERALISATION: TEXTURE	MINERALISATION: MINERALOGY & CONTENTS	FAULTS: POSITION OF BASE	FAULTS: DOWNHOLE WIDTH (CM)	FAULTS: CORE AXIS ANGLE	FAULTS: GOUGE	FOLIATION: TYPE	FOLIATION: CORE AXIS ANGLE	WEATHERING	STANDARD COLOUR LOG	REMARKS	SAMPLE NO.	DEPTH
320		56		A-mfv	Gy-G	A	90	P	SR	Si Se?	60						Vn	2	Si Se	2	1	Ca														320
322																			322.4																
324																	Vs	1	K-Spar	1	120	Qtz Spar Cts Ca														
326																			325.83	2	13		Ds	Py 10	325.9										
328		57															P	2	K-Spar						325.6										
330																	Ds	4	K-Spar	1	7	Ca Cpy	Vn	Ca 60 Cpy 10	325.9										
332																			327.6	Jr	20	FeCl			325.7										
334																	P	1	Si Se						329.2										
336																				1	b	Py	Vn	Py 60	329.3										
338		58																		Jr	4	Cal			330.9										
340																				1	a	Py	Vn	Cpy 60	334.1										
342																				+1	4	Ca Cl			335.1										
344																				Jr	a	Py	Vn	Py 60	337.4	338.1	8	55°	Sil						
346																				1	21	Ca Cl			338.9										
348				H.A	Gy												P	4	Si Se Py				Ds	Py 30	342	341.7	6	65	Ru						
350																				1	10	Cpy	Vn	Cpy 10	344.5										
352		59																					Ds	Py 20-30	344.6	344.6	15	?	Ru						
354																							Ds	Cpy 5	346.1										
356																							Ds	Py	346.7	347.7	10	?	Ru						
358				H.A/D-I?	W-C																					348.9	10	?	Ru						
360		60																							351.4										
362				A-flv	Gy	A	6	P	SA	K	70																									
364																																			
366																																			
368																																			
370		61		369.1 H.A	W-C												D	6	Se						369.1										370

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EXPLORATION DIVISION

HOLE No. BLC

PAGE 10 OF 13

GEO. RDM

DATE 26/10/95

DIAMOND DRILL LOG

DRILLING			LITHOLOGY											VESICLES			ALTERATION			VEINING			MINERALISATION			FAULTS				FOLIATION						
DEPTH	DRILLING RUNS	CORE LOSS	CORE TRAY NO.	STRATIGRAPHY	ROCK TYPE	COLOUR	VOLCANICLASTICS: FRAGMENTS: COMPOSITION	FRAGMENTS: MAX. SIZE (MM)	FRAGMENTS: SORTING	FRAGMENTS: SHAPE	VOLCANICLASTICS: MATRIX: COMPOSITION	MATRIX: VOLUME %	LOWER CONTACT: GRADATION	LOWER CONTACT: STYLE	CONCENTRATION	MAX. SIZE (MM)	SHAPE	TEXTURE	INTENSITY	MINERALOGY	INTENSITY	MAX. WIDTH (MM)	MINERALOGY	TEXTURE	MINERALOGY & CONTENTS	POSITION OF BASE	DOWNHOLE WIDTH (CM)	CORE AXIS ANGLE	GOUGE	TYPE	CORE AXIS ANGLE	WEATHERING	STANDARD COLOUR LOG	REMARKS	SAMPLE NO.	DEPTH
360																																				360
362																																				
364			61		HA/RT	W-C												P	3	Se?																
					366.8								G	C						366.8					364.8										
366					HA	Gy												P	4	Si Se				Ds	Py 30	367										
368																																				
370			62																		1	30	370 Qz Py												
372																					1+	8	370.7 Qlo												
374																										373.7	40	1	Ru							
376																																				
378																										378.9	45	1	Ru							
380			63																																	380
					381.5								G	C											381.5										
382					HA-Iv	Gy												P	5	Si Se Py				Ds	Py 20											
384																																				
386			64																																	
													G	C											391.7										
388					A-Iv	Gn	A Hm	38	P	sR	Si Se	5-30						Py Ep	1	Si Ep				Ds	Py 5	391.9	2.0	30	Si Ru	CI	50°					
390																		F	3	Hm																
																				394.5																
392			65															Mn	1	Si Si	2	380	Qtz Cal Hm			396.9	5	?	Ru							
394																		Ds	1	Ep			397.4													
396																					1	12	Cal Hm			398.6	12	?	Si Ru							
398																																				
400																																				400

This interval is quartz pyrite which implies a Rhyolite lava ?

From 366.7 to 391.5 there appears to be a massive shear zone that is overlying the HA lithology

This Quartz pyrite vein looks suspiciously like Hanky style mineralisation

Have a strong cleavage breaking the coherency of the lithology

Have remnants of possible clasts original lithology more likely to be an andesite due to amount of feldspar porphyroblasts present

This area is strongly sheared

There is a strong increase in Hematite

The Epidote appears to be altering what were original mafic minerals ?

A150035

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HOLE No. BL6

PAGE 11 OF 13

GEO. RBH

DATE 27/10/95

DIAMOND DRILL LOG

DEPTH	DRILLING RUNS	CORE LOSS	CORE TRAY NO.	STRATIGRAPHY	ROCK TYPE	COLOUR	LITHOLOGY: VOLCANICLASTICS FRAGMENTS: COMPOSITION	FRAGMENTS: MAX. SIZE (MM)	FRAGMENTS: SORTING	FRAGMENTS: SHAPE	VOLCANICLASTICS MATRIX: COMPOSITION	MATRIX: VOLUME %	LOWER CONTACT: GRADATION	LOWER CONTACT: STYLE	VESICLES: CONCENTRATION	VESICLES: MAX. SIZE (MM)	VESICLES: SHAPE	ALTERATION: TEXTURE	ALTERATION: INTENSITY	ALTERATION: MINERALOGY	VEINING: INTENSITY	VEINING: MAX. WIDTH (MM)	VEINING: MINERALOGY	MINERALISATION: TEXTURE	MINERALISATION: MINERALOGY & CONTENTS	FAULTS: POSITION OF BASE	FAULTS: CORE/RUBBLE WIDTH (CM)	FAULTS: CORE AXIS ANGLE	FAULTS: COLOUR	FOLIATION: TYPE	FOLIATION: CORE AXIS ANGLE	WEATHERING	STANDARD COLOUR LOG	REMARKS	SAMPLE NO.	DEPTH
400			65		A-Iv	Gn	A Hbm	3C	P	SR	Si-K	5	C.	C				Dx Dx	2 1	Si-K Ep 401.1	1	12	Ep Ho													400
402					A-I/Iv	Gn	A	62	P	SA	SiSiHm	5-10						Dx	1	Ep 402.6																		
404																					1	8	Ep													
406			66															Vn	1	Ep	1	23	Co Ho													
408																																				
410																				412															410
412					A-Iv	Gn	A	56	P	SA	Hm	20						Mx Dx	1 2	Si-Gr Hm	1	33	Gr Hm													
414																																				
416			67																																	
418																				418.2															
420																																				420
422																		Mx Dx	3 1	Hm Ep	1	4	Ep													
424																					1	12	Co Ho													
426			68																	426.3															
428																				428.8	3	25	Co Hm													
430																					2	14	Co Ep													
432																				431.6															
434			69																		1	16	Co Ho													
436					435.3 A-Fln	Gn-P	A	9	P	SR n	Hm	25	C.	C				Mx	3	Hm																	
438			70																																	
440																																				440

FAULTS: POSITION OF BASE	CORE/RUBBLE WIDTH (CM)	CORE AXIS ANGLE	COLOUR
408.3	1	15	Si
411.8	4	60	Si
415.1	20	70	Si
415.4	6	20	Si Co
WC 418	7	15	Si
419.6	24	75	Si Cl
421.4	9	?	Ru
429.1	3	20	Si Cl
435.1	23	70	Si
437.3	4	30	Si Cl
439.7	6	60	Re Ru

Structure all = dips slightly apparent again it is now very patchy. The alt = is patchy. The A-Iv appears to be moving in and out of lava and Iv. There are only minor Iv minors in this section.

Hm appears to be following along a direction possibly cleavage.

log.01901.mer

11936

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HOLE No. BL6

PAGE 12 OF 13

GEO. RDH

DATE 27/10/95

DIAMOND DRILL LOG

DRILLING			LITHOLOGY										VESICLES			ALTERATION			VEINING			MINERALISATION			FAULTS				FOLIATION						
DEPTH	DRILLING MUDS	CORE LOSS	STRATIGRAPHY	ROCK TYPE	COLOUR	VOLCANICLASTICS: FRAGMENTS: COMPOSITION	FRAGMENTS: MAX. SIZE (MM)	FRAGMENTS: SORTING	FRAGMENTS: SHAPE	MATRIX: COMPOSITION	MATRIX: VOLUME %	LOWER CONTACT: GRADATION	LOWER CONTACT: STYLE	CONCENTRATION	MAX. SIZE (MM)	SHAPE	TEXTURE	INTENSITY	MINERALOGY	INTENSITY	MAX. WIDTH (MM)	MINERALOGY	TEXTURE	MINERALOGY & CONTENTS	POSITION OF BASE	DOWNHOLE WIDTH (CM)	CORE AXIS ANGLE	OBLIQUE	TYPE	CORE AXIS ANGLE	WEATHERING	STANDARD COLOUR LOG	REMARKS	SAMPLE NO.	DEPTH
440				A-Fv	Gn	A	8	P	SR-A	Hmg	20						Xa	3	Hmm	3	16	Qz±Hmm													440
442																				1	6	Qz±Hmm, Hmm												
444		70																							444.8	15	60	S1	C1	55°			Have an extremely siliceous body No clasts are visible but it is still strongly fragmental The alt° appears to be controlled by the shearing		
445												G1	C						445'															
446				HA/A-I/IV	Gy-Gn												S	3	Cl																	
448																			449.1															
450		71															S	3	Hmm						450.7	6	?	RU							450
451.8												S	t																					
452				R-I													P	2	Sis≥Py			452.4			452.2	40	55	AU							
454																							D6	Py 5-10	454.6	4	65	S1				This unit is Quartz phyric it appears the Alt°n is hosted by the R-I		
456																																		
458																																		
460																																		
462																			462.5'															
464																	P D6	2 2-3	Sis≥Py K-spar															
465.9																																		
466																	P	1	Sis≥Py															
468																																		
470																			470.5					470.5										
470.5				A-I ?	Gy							S	c																						
472																	P	2-3	Sis≥Py			471.6			469.1	5	50	S1						
473.7												Gr	C						473.7	1	39	Qz±Hmm	D6	Py 10-15	470.1	10	55	RU						
474				A-Qfk	Gn	A	36	P	SA	Sis≥Py	50						Ma	1-2	Sis≥Py						477.8	15	80	S1						
476		74																					D5	Py 5-8	479.7	2	?	RU						
478																																		
480																																		

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HOLE No. BL6

PAGE 13 OF 13

GEO. ROH

DATE 27/10/95

DIAMOND DRILL LOG

DRILLING			LITHOLOGY											VESICLES			ALTERATION			VEINING			MINERALISATION		FAULTS				FOLIATION					
DEPTH	DRILLING RUNS	CORE LOSS	STRATIGRAPHY	ROCK TYPE	COLOUR	VOLCANICLASTICS: FRAGMENTS: COMPOSITION	FRAGMENTS: MAX. SIZE (MM)	FRAGMENTS: SORTING	FRAGMENTS: SHAPE	VOLCANICLASTICS: MATRIX: COMPOSITION	MATRIX: VOLUME %	LOWER CONTACT: GRADATION	LOWER CONTACT: STYLE	CONCENTRATION	MAX. SIZE (MM)	SHAPE	TEXTURE	INTENSITY	MINERALOGY	INTENSITY	MAX. WIDTH (MM)	MINERALOGY	TEXTURE	MINERALOGY & CONTENTS	POSITION OF BASE	DOWNHOLE WIDTH (CM)	CORE AXIS ANGLE	GOUGE	TYPE	CORE AXIS ANGLE	WEATHERING	STANDARD COLOUR LOG	REMARKS	SAMPLE NO.	DEPTH
480				A-Clv	Gn/Mg	A	56	P	SA	Si Se Py	50						Mo	2	Si Se Py	1	35	Cal-Ch	Ds	Py 5-8									The lineage has disappeared although there is some fracturing in the cores.		480
492																									489.1	16	30	SI						
494																																		
496																																		
498																									489.2	7	65	SIG						
498																									490.5	12	20	SIG1						490
497.1				R-1	B-												P	2	Hem				Ds	Py 2-3										
499				A-Clv	Gn	A	02	P	SR-A	Si Se	60						Mo	2	Si Se Py				Ds	Py 10-15										
509.2												S	C																					
				R-1	Bn												P	2	Hem				Ds	Py 5								Vein is Quartz Pyrite ±		500
510																																LOA (YOU BEAUTY)		

log01931.wor