Aberfoyle Resources Limited

EXPLORATION DIVISION

DIAMOND DRILL LOG

HOLE No. MAC 37

PAGE 1 OF 21

GEO. RJI

DATE 18/6/93

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		1																																2
4																																	624 922	4
6		7.2																																6
8		2																																8
10		10.6																															10	10
12		3																																12
14		15.6		D-1	gy gn pk															3	35	Si Cl											624 923	14
16		4																																16
18		18.95																																18
20		5																															20	20
22																																		22
24		23.8																															624 924	24
26		6 25.9																																26
28																27.9				28.2			28.2							27.9			28
30		7														P	2	Cl					Vn	Py10								30	30
32		32.3														P	1	Si		4	10	Si Cl	29.5								02		32
34		8														31.9 P	3	Si					32.3	Py10								624 925	34
36		36.5														P	1	Cl					32.4								36.2		36
38		9														36.2 P	3	Cl		3	35	Si Cl												38
40		40														P	1	Si																40

HW
HQ

deeply weathered.
Dacite has brown, iron oxide stained appearance.

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EXPLORATION DIVISION

HOLE No. MAC 37

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GEO. RJI

DATE 25/6/93

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	VOLCANICLASTICS MATRIX COMPOSITION	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					
42		10															41.3																	42
																	P	3	Si															
44		44.4															P	1	Cl														624	44
																	45																926	
46		11															P	2	Si															46
																	P	2	Cl															
48		48.6															47.4																	48
																	P	3	Si															
50		12															P	1	Cl															50
																	50.5																51	
52		52.7															P	3	Si															52
																	P	2	Cl															
54		13															53.85			3	35	SiCl	53 Vn Py2											54
																	P	3	Si				53.1											
56		56.45	D-1														56.1																624	56
																	P	3	SiCl														927	
58		14															57.2																	58
																	P	3	Si															
60		60.8															58.1	1	Cl														59.5	60
																	P	4	Si				59.6											
62		15															59.5	1	Cl															62
																	P	4	Si														624	
64		64.8																1	Cl														928	64
																	62.6																	
66																	P	3	C12Si3															66
		16															63.3																	
68		69.3															P	3	Cl															68
																		2	Si															
70		17															68.6																	70
																	P	3	Si															
72		73.7															P	2	Cl															72
																	71.2																624	
74		18															P	3	Cl														929	74
																	P	2	Si															
76		78.1															78																	76
78		19																																78

- very weak cleavage

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EXPLORATION DIVISION

DIAMOND DRILL LOG

HOLE No. MAC 37

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GEO. RJI

DATE 28/6/93

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

DEPTH	CORE TRAY NO.	STRATIGRAPHY	ROCK TYPE	COLOUR	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	REMARKS	SAMPLE NO.
82	82.2				P 3 Cl; 2 Si			83.6	Feldspar phyric Dacite	624 929
84										
86	20				86.7 P 4 Cl; 85.9 1 Fd					
88	88.2					3 35 Si Cl		88.6 108.5 ? Ru	minor Ru in Fault.	
90	21				3 Si; 3 Cl					
92	92.1									
94	22				95			94.25		
96	96.5	D-1			P 3 Cl; 2 Si; 2 Se					
98	23							98.8		
100	100.4				101			98.8 100.9 13 ? Ru		624 930
102	24									
104	104									
106	25				P 3 Cl; 2 Si				TS 626110 106.9m	
108	108						107.1 Vn Py 10 110.6		Vn intensity 2 (Pyrite).	
110	26					110.7 4 30 Cc; 3 120 Cl Cc Si				110
112	112.2									
114	27									624 931
116	116.8									
118	28								118.8 - minor wispy Se altn.	
										120

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GEO. RJI

DATE 28/6/93

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

DEPTH	CORE TRAY NO.	STRATIGRAPHY	ROCK TYPE	COLOUR	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	REMARKS	SAMPLE NO.
122	122.5				P 3 Cl; 2 Si						
124	29										624 931
126											
128	127.9										
130	30								Cl 22°		
132					131.6 P 3 Si; P 2 Cl						
	133.45										
134											
136	31		D-1		P 3 Cl; P 2 Si						
	137										
138	138.45										
140					P 3 Si; P 2 Cl						624 933
142	32				140.8 P Si3Cl2Sel; 141.6 P Si3Cl2; 142.5 P 3 Cl; 144.3 P 2 Si						
144	144.3				P 3 Si; P 2 Cl						
146	33				145.4 P 3 Cl; 3 Si					145.4–147 – pseudo fragmental texture.	624 934
148											
150	149.9		≈150m		149.9		147.1				
152	34				3 Si; 3 Cl; 1 Se	Vn	Py 10		Cl 30°	151.2 – orientation; 150–152.5 – pseudo fragmental; 155.5–160 – broken ground.	624 935
154	154.6		A-L/bv				152.5				
156											
158	35										
	159.9										

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DIAMOND DRILL LOG

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DATE 30/6/93

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	VOLCANICLASTICS MATRIX COMPOSITION	VOLUME %	LOWER CONTACT GRADATION	STYLE	CONCENTRATION	MAX. SIZE (MM)	SHAPE	TEXTURE	INTENSITY	MINERALOGY	INTENSITY	MAX. WIDTH (MM)	MINERALOGY	TEXTURE	MINERALOGY & CONTENTS	POSITION OF BASE	DOWNHOLE WIDTH (DM)	CORE AXIS ANGLE	GOUGE	TYPE	CORE AXIS ANGLE				
162		36																										C1	35°					162
164		1641		A-L/br																		Vn 164.3–164.9	Py 10								Ts 626111 164.0m -calcite vein c 10% Py vein 1cm thick	165	164
166																																	166
168		37																														169.2-191- broken ground.	624	168
170		1703																															936	170
172		38																3	Si	3	30	Cc												172
174		1749																3	Cl	2	120	Cl Cc Si	Vn Ds	Py 1									175	174
176		39																1	Se															176
178		1796																															624-937	178
180																																		180
182		40																																182
184		1849																																184
186																																	185	186
188		41																															624-938	188
190		1892																																190
192		42																										C1	15°			1932 m - orientation.		192
194		1942		≈195																													195	194
196		43																																196
198		1994																																198

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DIAMOND DRILL LOG

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GEO. RJI

DATE 1/7/93

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	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				
202		44														201.65						201.4											202
204																P	3	Si				Vn	Py 10								- veining intensity 3	203.8	204
		204.8														P	2	Cl				206.2									205.2 - Lost Water.	624 940	
206		45														203.8																	206
208		209.8														P	3	Si															208
																P	2	Cl															
210		46															1	Fu															210
212																206.2																	212
214																P	3	Si															214
		215		D-1													2	Cl															
216																	1	Fu															216
218		47														214.4																	218
220		220.2																				220.1											220
																			3	150	cc Si Cl	Vn	Py 10									
222		48														P	3	Si				221.2											222
224																	2	Cl				Vn	Py 1									224
226		225.9															1	Fu															226
228		49																															228
230																																	230
232		231.4																															232
234		50																				233.7											234
236		235.8	235.9									F	C			235.9																	236
238		51		A-Lv	Gn Gy	D	50	P	R	D	70																							238

MINERALISATION		FAULTS				FOLIATION		REMARKS	SAMPLE NO.
TEXTURE	MINERALOGY & CONTENTS	POSITION OF BASE	DOWNHOLE WIDTH (CM)	CORE AXIS ANGLE	GOUGE	TYPE	CORE AXIS ANGLE		
201.4									
Vn	Py 10							- veining intensity 3	203.8
206.2								205.2 - Lost Water.	624 940
Vn	Py 1							214.2 orientation.	214.4
220.1									
Vn	Py 10								
221.2									
Vn	Py 1								225.2
233.7									624 942
Vn	Py 10	235.9	1	30°	Pu Ru			Chlorite Pug.	235.9

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EXPLORATION DIVISION

DIAMOND DRILL LOG

HOLE No. MAC 37

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GEO. RJI

DATE 5/7/93

DRILLING

DEPTH	DRILLING RUNS	CORE LOSS	CORE TRAY NO.
242			241.2
			52
244			
246			246.4
248			
			53
250			
252			252.1
254			
			54
256			
			257.1
258			
			55
260			
262			262.4
			56
264			
266			
268			269.7
			57
270			
272			272.6
274			
			58
276			
278			279.7

LITHOLOGY

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
	A-W									
246.6									F	C
	D-1									
277.5	Y-lv	Gy Gn	D Ss Pu	100	P	R	D	2D	S	C

VESICLES

CONCENTRATION	MAX. SIZE (MM)	SHAPE
1	5	E
267.8		
3	5	E
268.6		
1	5	E
270		

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GEO. RJI

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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	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				
282		59	281.6									F	C					3 2	Cl Se Fu						281.6	5	45°	Ru Pu					Fault at 280.2m C.A.A = 42° R.A. = 352°		282
284		60		D-1	Gn												P	2	Si				Ds	Py 1	283.7	2	55°	Pu	Cl	30°			Fault contact at 281.6m C.A.A = 37° R.A. = 310°		284
286																		2	Se						284.8	5	35°	Pu							286
288	188.5		288.7									F	C					1	Cl						288.5	2	55°	Pu					288.5 – 291.1 – numerous puggy faults.		288
290		61		D-l/lv/av	Gn Yw	D	5	P	R	Si Se Cl	70									3	470	Co Si Cl				290.1	15	?	Pu							290
292	292.9		293.2									Cl	C										Vn	Py 10										292
294		62		YD-lv/Ss	Gy Gn	P/Ss	50	M	R			F	C				F P P	3 2 1	Si Se Cl				293.7		294.2	½	25°	Pu					within lv, some fragments are completely pyrite altered.		294
296			294.2	D-lv	Yw	D		P	R			G1	C																					296
298		63	295.6		Gn												P P	3 2	Si Cl				Ds	Py 1									300.3 – orientation.		298
300																																		300
302	302.4			D-L																														302
304		64																																304
306																																		306
308	307.6																309.4																	308
310		65			Pk												P P	3 1	Si Cl															310
312	312.6		312.3									S	C																					312
314					Gn	D																												314
316		66		Y-lv/D-l/av	Yw	Ss	100	M	R	Si Se	70							3 2 1	Si Se Cl				Ds	Py 5									315.6 Contact C.A.A. 33° R.A. 55° 316.4 Bedding C.A.A. 35° R.A. 40°		316
318	319.1																																	318

TS 626113 311.1m

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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	VOLCAMCLASTICS FRAGMENTS COMPOSITION	MAX. SIZE (MM)	SORTING	SHAPE	VOLCAMCLASTICS MATRIX COMPOSITION	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				
322		67																														320.3m Bedding C.A.A. 27° R.A. 115°		322
		323.2																														322m Bedding C.A.A. 42° R.A. 355	624-953	
324				Y-lv/D-l/av																												324.9 Bedding C.A.A. 28° R.A. 052		324
326		68																																326
328		328.6																																328
330		69																						331.2	15	35°	Pu							330
332		333										F												332.8	20	30°	Pu					333.8 - 335.5 - very broken ground.		332
334		333.8																															624-954	333
336		70		A-l												P	2	Si				Vn	Py								337.2 - orientation.		334
338		338.5														P	2	Cl																336
340		338.9										S	C			P	1	Se														338.9 - Contact C.A.A. 25° R.A. 345		338.9
		71																														339.4 - Bedding C.A.A. 46° R.A. 002		340
342				A-lv/D-l																												339.6 - Bedding C.A.A 45° R.A. 053	624-955	342
344		343.8															2	Si				Ds	Py3								341 - Bedding C.A.A. 40° R.A 022		344
346		72															2	Cl																346
348		349.2															2	Se																348
350		349.8										G1	C									Vn		351.8								351.8 - Cpy bleb 1cm ø within calcite - quartz vein.		350
352		73		A-l very minor A-lv																			Cpy bleb										624-956	352
354		354.5																																354
356		74																																356
358		359.9										G1	C																				360	358

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DATE 21/7/93

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					
362		75		A-W/A-L	Gn Gy	D	70	P	A	Si Se Cl	70																								362
364		365																															364.2 -orientation 365.3 Bedding C.A.A. 45° R.A. 032	624-957	364
366		76																																366
368																																		368
370		370.2																																370
372			371.7									S	C																				371.7 624-958 372.7	372
		77		YA-W	Gy	Si Sel	100	P	SA	Si	60	S	C																					374
374			372.7	A-L/Y-W	Gn	D Ss	20	M	R	Si Se Cl	50																								376
376		375.3	376.8									S	C																					624-959	
378		78																																378
380		380.6															P	2	Si Cl															380
382				A-1	Gn													1	Fd															382
384		79																																384
386		385.8																						386 Vn Py 2.5 386.5										386
388		80	389.4									S	C																					388
390		391.2																						Ds Py 3									391.2 orientation	624-960	390
392				YA-W														2	Si																392
394		81																1	Clse																394
396		396.2																																396
398		82																																398
																																	400

TS 62-6114
382.5m

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DIAMOND DRILL LOG

DRILLING			LITHOLOGY										VESICLES			ALTERATION			VEINING			MINERALISATION		FAULTS				FOLIATION		WEATHERING	STANDARD COLOUR LOG	REMARKS	SAMPLE NO.	DEPTH
						VOLCAMCLASTICS						LOWER CONTACT																						
						FRAGMENTS				MATRIX																								
DEPTH	DRILLING RUNS CORE LOSS	CORE TRAY NO.	STRATIGRAPHY	ROCK TYPE	COLOUR	COMPOSITION	MAX. SIZE (MM)	SORTING	SHAPE	COMPOSITION	VOLUME %	GRADATION	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					DEPTH
402				YA-lv																														402
404																																		404
406																																		406
408																																		408
410																																		410
412																																		412
			413																															
414				D-i	Yw Pk Gn											P	3	Si						413·3	½	19°	Pu					413 Contact C.A.A. 19° R.A. 350		414
416																																413·3 Fault C.A.A. 19° R.A. 030		416
418																																		418
420																P	3	Si														421·2 - Orientation		420
422																	1	Cl																422
424																423·8																		424
426																																TS 626115 426·9m		426
428																																		428
430																P	3	Si																430
432																																		432
434																																		434
436																																		436
438																437·5																		438
																P	3	Si																
																	2	Se																
																	1	Cl																
																							439											
																							Ds	Py5										
																							440											

- minor K-spar in veins.

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DRILLING			LITHOLOGY										VESICLES			ALTERATION			VEINING			MINERALISATION		FAULTS				FOLIATION		WEATHERING	STANDARD COLOUR LGG	REMARKS	SAMPLE NO.	DEPTH
						VOLCAMCLASTICS						LOWER CONTACT																						
						FRAGMENTS				MATRIX																								
DEPTH	DRILLING RUNS CORE LOSS	CORE TRAY NO.	STRATIGRAPHY	ROCK TYPE	COLOUR	COMPOSITION	MAX. SIZE (MM)	SORTING	SHAPE	COMPOSITION	VOLUME %	GRADATION	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				
442		90														444.4																624-964	442
		443																														443.7	
444																																	444
446		91														P	3	Si				Ds	Py2										446
448		448.5															1	Cl														624-965	448
450																																	450
452		92		D-i												451.4																451.4	452
454		453.6														P	2	Si															454
456		93															1	Cl															456
458		459																														624-966	458
460																																	460
462		94																															462
464		463																															464
466																																	466
		95	466.9									S	C				2	Si														466.9	
468				A-L/Lv													2	Se				Ds	Py3										468
470		469.6	469.2									F					1	Cl															470
472		96		A-L												P	3	Si														624-967	472
474		475.6														P	2	Cl															474
476		97	477.4									F				476.2																	476
478				A-L/Lv													2	Si				Ds	Py3	477.6	1/5	25°	Pu Ru						478
		479.7	479.2									S	C				2	Se														479.2	
																	1	Cl															

451.2 - orientation

454.1m - Cl-Py vein 1cm wide.

466.9 Contact C.A.A. 41°
R.A. 030

477.9 Contact C.A.A. 22°
R.A. 330

478.2 orientation

479.2 Contact C.A.A 35°
R.A. 000

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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	VOLCANICLASTICS MATRIX COMPOSITION	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				
482		98														P	3	Si															482
484																	2	Ep															484
486		485		D-i															487·1														486
488		99														P	1	Cl															488
490		490·2																															490
492		100																	4	500	Si Cc Cl Fd											492
494		494·3										F										Ds	Py l	494·3	30	?	Pn Ru.						494
496		496·7		A-L															497·7														496
498		101															2	Si															498
500		499·6															1	Ep															500
502		102															2	Cl															502
504		504·8												3	25	S	504																504
506																	P	2	Si														506
508		103															P	1	Cl	3	250	Cc Si Cl										508·2 – orientation.	508
510		508·7																															510
512		104																															512
514		514·7																															514
516		105																															516
518		519·9												517·1 1	5	S	P P	1 2	Si Se Cl	519·8													518

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DRILLING

DEPTH (m)	DRILLING RUNS / CORE LOSS	CORE TRAY NO.
522 – 525.1		106
525.1 – 530.1		107
530.1 – 534.9		108
534.9 – 540.4		109
540.4 – 545.1		110
545.1 – 550.5		111
550.5 – 555.7		112
555.7 –		113

LITHOLOGY

STRATIGRAPHY	ROCK TYPE	COLOUR	VOLCANICLASTICS: FRAGMENTS – COMPOSITION	MAX. SIZE (MM)	SORTING	SHAPE	MATRIX – COMPOSITION	VOLUME %	LOWER CONTACT – GRADATION	STYLE
	A-L									

VESICLES

INTERVAL	CONCENTRATION	MAX. SIZE (MM)	SHAPE
– 530.8			
530.8 – 535	3	5	R
535 – 542	1	10	R
542 – 543.9	2-3	10	R
543.9 – 559.8	1	5	R

ALTERATION

INTERVAL	TEXTURE	INTENSITY	MINERALOGY
– 526.5			
526.5 – 555.6		2 1	Si Cl Se
555.6 –	P	2 1	Si Cl Ep

VEINING

INTERVAL	INTENSITY	MAX. WIDTH (MM)	MINERALOGY
– 528.5	1	30	CcClSi
528.5 – 555.7	3	40	CcClSi
555.7 –	2	35	SiCcCl

MINERALISATION

INTERVAL	TEXTURE	MINERALOGY & CONTENTS
– 543.8	Ds	Py 1
543.8 – 549.6	Ds	Py 10
549.6 –	Ds	Py 5

FAULTS

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

FOLIATION

TYPE	CORE AXIS ANGLE

WEATHERING

STANDARD COLOUR LOG

REMARKS

524 - minor Fu in vein.
TS 626116 524.5m

541.2 orientation

555.5 – 558 broken ground at low angle to C.A.

SAMPLE NO.

INTERVAL	SAMPLE NO.
– 530.8	624-971
530.8 – 535	624-972
535 – 543.8	624-973
543.8 – 549.6	624-974
549.6 –	624-975

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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	VOLCANICLASTICS MATRIX COMPOSITION	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					
562		114	562.6	A-L								3	C	2	5	R																562.6 Bedding contact C.A.A 28° R.A 080 565.2 - orientation.	562.6	562
564																	P	3	Si	3	1	Cl											564
566		115																1	Cl	1	5	CcSi										624-976	566
568																																	568
570		570.4																															570
572		116										S	C	3	10	R	P	1	Si														572
574			575.4															1	Clse														574
576		576.2																														575.4	576
578		117		A-L																3	15	CcSiCl										624-977	578
580																																	580
582		581.2																															582
584		118	584.6	V-lv										1	3	R																	584
586		586.4	584.75	A-L													P	1	Si													584.6	586
588			586.2	V-lv														1	ClSeEp													624-978	588
590		119	586.3														590.4																590.1	590
592		591.7		A-L													P	1	SiCl														592
594		120																		2	10	CcSiCl										624-979	594
596		597.1															598.4																596
598		121																														598.4	598

589 Ds Py1

589.2 1/4 65° Pu

589.2 - 590.8 - numerous, small puggy faults.

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DEPTH	DRILLING RUNS CORE LOSS	CORE TRAY NO.	STRATIGRAPHY	ROCK TYPE	COLOUR	VOLCANICLASTICS FRAGMENTS COMPOSITION	MAX. SIZE (MM)	SORTING	SHAPE	VOLCANICLASTICS MATRIX COMPOSITION	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				
602		602.4												2	7	R		1	Si Cl Se Ep														624-980	602
604		122																																604
606			606									S	C																					606
608		607.5															609																624-982	608
610		123																																610
612		612.7		V-lv/A-L													P	3	Si															612
614		124															P	2	Cl															614
616																																	616.2 - orientation.		616
618		617.8																															616.7 Bedding C.A.A. 50° R.A. 030	624-983	618
620		125																																620
622		622.1	622.5	A-L								S	C										622.5											624-984	622
624			623									S	C							625.2			Vn + Ds	Py5	625.3									625.3
626		126		V-lv													SF	4	Si															624-985	626
628		628.4															P	2	Cl	4	35	CcSiCl	Vn	PyGn5	628	½	70°	Pu				intensely sheared.	628	628
630		127															P	2	Si				Vn	Ay5									624-986	630
632		633.5	631.6	A-L/Lv								S	C				P 682.9	1	Cl						632.4	110	45°	Pu Ru						631.6	632
634		128															P	3	Si Cl	3	80	CcEp SCl	Vn	Py2									624-987	634
636																		1	Ep															636
638		638.8																																638

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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	VOLCANICLASTICS MATRIX COMPOSITION	VOLUME %	LOWER CONTACT GRADATION	STYLE	CONCENTRATION	MAX. SIZE (MM)	SHAPE	TEXTURE	INTENSITY	MINERALOGY	INTENSITY	MAX. WIDTH (MM)	MINERALOGY	TEXTURE	MINERALOGY & CONTENTS	POSITION OF BASE	DOWNHOLE WIDTH (DM)	CORE AXIS ANGLE	GOUGE	TYPE	CORE AXIS ANGLE				
642			129																	3	80	cc Ep Si Cl			642.7	1/2	30°	Pu							642
644			643.6																															644
646				646									S	C				646						646									646 contact at low angle to C.A.	646	646
648			130		A-1	Gn												P	3	Si														624 988	648
650			649.5															P	1	Ep														650
652			131	652.1									G1	C				652.1							Vn	Py Gn Sp Cpy 3									652.1	652
654			658.9		A-lv	Gn												P	3	Si															654
656			132															P	1	Cl														624 989	656
658			659.2															P	1	Ep														658
660				661.4									S	C																				661.4	660
662			133																															662
664			664.2		A-1	Gn												P	3	Si														624 990	664
666																		P	1	Cl														666
668			134																															668
669.7				669.3									S	C												669.3	2	40°	Pu					669.3	
670				670.2	A-lv	Gn							S	C				P	2	Si														624 991	670
672			135	672.8	V-vlcl	Gn	D Micss	40	P	A	SiCl	70	S	C					2	Cl														671.9	672
674			674.6		A-1	Gn												P	3	Si														624 992	674
676			136															P	1	Cl														676
678				678.5									S	C																				678.5	678
			679.9	678.9	V-vlcl	Gn	D Micss	40	P	A	SiCl	70	F						3/2	Si Cl														624 993	

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DRILLING			LITHOLOGY											VESIOLES			ALTERATION			VEININO			MINERALISATION			FAULTS				FOLIATION						
						VOLCANICLASTICS						LOWER CONTACT																								
						FRAGMENTS				MATRIX																										
DEPTH	DRILLING RUNS CORE LOSS	CORE TRAY NO.	STRATIGRAPHY	ROCK TYPE	COLOUR	COMPOSITION	MAX. SIZE (MM)	SORTING	SHAPE	COMPOSITION	VOLUME %	GRADATION	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
			681	A-1																3	80	cc Ep Si Cl	Vn	Py Gn Sp Cpy 3									681	
682		137																														682.2 - orientation failed!		682
684		685																															624 994	684
686																		3 Si																686
688		138																3 Cl																688
690		6901				B																											690	690
692		139		Y-lv	Gn	D MicSs	100	P	A	Sill	50																								692
694		6953																															624 995	694
696																																strong epidote veining		696
698		140																																698
700		7004																															699	700
702																																		702
704		141																															624 996	704
706		7058																														705 - 706.7 - broken ground.		706
708		142																																708
710																																		710
		711.1	710.9									F													710.9	3	60°	Ru					710.9	
712																																		712
714		143																															624 997	714
716		7162		B-lv													716																716	716
																	P	3	Si														624 998	
718		144															719	1	Cl													718.1 - orientation. Bedding Contact C.A.A. 49° R.A. 070		718
			720																														720	

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DEPTH	DRILLING RUNS CORE LOSS	CORE TRAY NO.	STRATIGRAPHY	ROCK TYPE	COLOUR	VOLCAMCLASTICS: 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	GOUGE	TYPE	CORE AXIS ANGLE					
722		7217																																722
724		145																	3	80	Cc Ep Sil											624-999	724
726				B-1												P	2	Si																726
728		7279														P	1	Cl															727·9	728
730		146																				Vn	Py Gn Sp Cpy 3%										730
732		7314																															626-000	732
734		147																																734
736		7367																															735·2	736
738		148																															626-001	738
740																																		740
742		7427																															741·6	742
744													F																				626-002	744
746		149	745																					745·2	745	1	60°	Pu					745	746
748		7491		Y-lv	D B A	20	M	sR					F												7475	1	15°	Pu					626-003	748
750		150	748·2																3	160	C6Si6l				7482	1	40°	Pu				748·2	750
752																													C	35°				752
754		151		B-L																													626-004	754
756		7516																																756
758		7578											S	C																			758·9	758
			758·9																															

TS 626118
736·4m

748 – 750·3 – broken ground.
– strongly cleaved.

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DEPTH	DRILLING RUNS / CORE LOSS	CORE TRAY NO.	STRATIGRAPHY	ROCK TYPE	COLOUR	VOLCAMCLASTICS 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	GOUGE	TYPE	CORE AXIS ANGLE					
762		152															P	2 Si 2 Cl		3	160	CcSiCl												626-005	762
764		763.4		V-lv	Gn	B Ch D	100	P	SR	SiCl	50						764.1	3 Si 1 Cl Fu		763.8 3	170	SiCcClHm	Vn	Py 5	763.7 764 765.1	2 1 1	80° 90° 25°	Pu Pu Pu					-unusual 2cm unit above vein Dacitic + Fu spots. -unusual veining around vein is Fu spotting. 766.2 - orientation.	626-006	764.1
766		153																		764.9														766
768		768.1															766.8																	768
770		154										G1	C					2 Si 2 Cl		3	70	CcSiCl	Ds	Py 1										770.7
772		773.3															773.2																	772
774														3	3-10	E																		774
776		155															P	3 Si 1 Cl																626-007	776
778		778.3																																	778
780																				780.4														780
782		156																																626-008	782
784		786.2																		3	135	CcSi EpCl												784
786				B-1/bv																					785.7	2	25°	Pu Ru						786
788		157																																626-009	788
790		789.6																															790.2 - orientation.		790
792		158																																792.3	792
794		794.4																																626-010	794
796		159																																	796
798																																			798
		800																																	800

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DRILLING			LITHOLOGY										VESICLES			ALTERATION			VEINING			MINERALISATION		FAULTS				FOLIATION		WEATHERING	STANDARD COLOUR LOG	REMARKS	SAMPLE NO.	DEPTH
						VOLCANCLASTICS						LOWER CONTACT																						
						FRAGMENTS				MATRIX																								
DEPTH	DRILLING RUNS CORE LOSS	CORE TRAY NO.	STRATIGRAPHY	ROCK TYPE	COLOUR	COMPOSITION	MAX. SIZE (MM)	SORTING	SHAPE	COMPOSITION	VOLUME %	GRADATION	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				DEPTH
802		160																																802
804																																		804
806		805·3																																806
808		161																						808·4	1	40°	Pu							808
810		810·8																																810
812																																811·2 – 817·5 m - moderately faulted / broken ground		812
814		162		B-1/bv																												814·2 m – orientation.		814
816		815·9																																816
818		163																																818
820		821·1																																820
822																																		822
824		164																																824
826		824·6																														TS 626119 826·3		826
828																																		828
830		165																																830
832		832·1																																832
834																																		834
836			EOH	835·2m																														836
838																																		838

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