ABERFOYLE RESOURCES LIMITED

DIAMOND DRILL LOG

HOLE No. MAC 30A

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GEO. SR

DATE 6-12-91

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	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
120																																					120
122																																					122
124																																					124
126																																					126
128																																					128
130																																					130
132																																					132
134																																					134
136																																					136
138																																					138
140																																					140
142																																		Reaming HQ leaves MAC 30			142
143·0																																					
144																																					144
146			1																																6221-1		146
148					Fp.A-Fw/clv	Gy Gn	Fp A	70	P	V	SiSeCl	20						m	1	SiSeCl	147·9 1	10	Ep													148
150			2																		150·7																150
152													S													152·7	1	80	fuRu							152
152·8																		152·8			152·8															
154			3																																6221-2		154
156					A-L	Gy Gn Gy -bn															2	10	GSi			157·2	2	60	RuSi							156
158			4																																		158
160																																					160

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HELLYER DIVISION

DIAMOND DRILL LOG

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DEPTH	CORE TRAY NO.	ROCK TYPE	COLOUR	COMPOSITION	MAX. SIZE (MM)	SORTING	SHAPE	COMPOSITION	VOLUME %	GRADATION	STYLE
160–162	5	162.1								F	
162–164	6	fp.A-C	Cy Gr							S	
		165.5									
164–170	7	fp.A-Rw/Gr									
170–172	8	172.5								S	
		Y fpA-mLv	Cy Gr	A	30	m	V	SiSeCl	20		
		173.4								91	
172–182	9	fp.A-bv/bv	Cy Gr	fpA	150	P	V	SiSeCl	20		
182–192	10, 11										
192–194	12	192.5								91	
194–200	13	Y.fp.A-bv/bv	Cy Gr	fpA, Q, HA	200	P	V	a SiSeCl	30		
		199.6								91	

DEPTH	TEXTURE	INTENSITY	MINERALOGY
165.5			
172.5	M	1	SiSeCl
190.0	P	1	SiEp
190.7			
192.2	P	2	SiEp
192.5			

DEPTH	INTENSITY	MAX. WIDTH (MM)	MINERALOGY
164.0			
	1	100	SiEpTr
174.8			
	1	5	Co
190.1			
	2	10	SiTr
192.3			
	1	5	Co

DEPTH	POSITION OF BASE	DBWNHOLE WIDTH (CM)	CORE AXIS ANGLE	GOUGE
161.3	5	45	Pu	
162.8	70	?	Ru	
167.5	20	70	Ru	

REMARKS: Dominated by fp.A. frags but common polymict av-lv. matrix

SAMPLE NO.: 62213, 62214, 62215

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HELLYER DIVISION

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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	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
200																																			200
202		14																							202.1	160	15	Ru Pu						6221 16	202
204				Fp. A.-Cu/bv	Cy Gr	Fp. A.	100	P	V	Sisil	20						L	2	Ep																204
206		15																							207.0	130	5	Ru							206
208		16		209.6								91		209.6			209.6			1	5	Co	209.6												208
210																								Ds Fr	Py 5-10										210
212		17															Fr	3	Sesily																212
214																									215.4	140	5	Ru Pu						6221 17	214
216		18		Y-Fw/clv	Cy Gr	HA, Q B, A	60	P	R	a	10			Fr 1	10	S																			216
218																									218.7	1	3	Pu							218
220																									220.7	5	5	Ru Sl							220
222		19																							221.9	1	5	Pu							222
																									223.0	1	25	Pu							
224																									224.6	1	20	Sl							224
		20																																	
226				226.4								92					226.4			223.9			226.4												226
228																																	Prominent bleached (amyg). Lava flags gen. 1-5m.		228
230		21																						Ds	Sp tr									6221 18	230
HQ / NQ 232				A-W/bv	Cy Gr.	A	250	P	V											2	10	60													232
234																	L	2	Ep																234
		22																		235.1															
236																																			236
238																																			238
240																																			240

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DIAMOND DRILL LOG

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DATE 16-12-91

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	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
240																					241.4															240
242																					2	10	SiTr													242
																					242.6															
244			23		243.5 B-L 244.8								S S		243.5 3 244.8	10	S																Possible lge. block		244
246																																		6221 19	246
248																		248.2																	248
250			24		YA-Lw/bv	Cy Cm	f.p.A. Lmgb HA	200	P	V	a SiSeCl	20			fr 3	10	S																rare HA frags to 5cm. SiSefy		250
252																																	mixture of FP.A and B. frags.		252
254																					255.0														254
256					255.7								S		255.7									255.7											256
258			25		B-L	GyCm									2	10	S				2	10	CoSi	Ds Vn	Py tr	257.1	1	40	SCCa						258
																										259.3	1	80	SCCa						
260																								Ds	SpCm tr										260
262																																	Ab. porphyritic amygdaloidal basalt lava.	6221 20	262
264																																			264
266			26																																266
268					269.3								S		268.3																				268
270																										270.4	1	40	Ru					6221 21	270
272					B-Lw/L	GyCm	B	30	P	V	SiSeCl a															272.7	2	30	PuRu						272
274			27		273.8								S		273.8																		Ts 622353 274.5m		274
276																		276.2																6221 22	276
					B-L	GyCm -LGy									2	10	S	P	2	SiSe															
278																		278.2																	278
280																		279.9																	280

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DIAMOND DRILL LOG

HOLE No. MAC 30A

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Depth	Drilling runs / Core loss	Core tray no.
280–320		28, 29, 30, 31, 32, 33

LITHOLOGY

Depth	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
280–292.3		B-L	Gy Gr								
292.3–294.3		B-Lv	Gy Gr	B	50	P	V	SiSe	25	Gl	
294.3–300.3		B-L	Gy Gr							Gl	
300.3–315.2		B-bx/Lv	Gy Gr	B	400	P	V	SiSeCl a	10	F	
315.2–316.3											
316.3–320											

VESICLES

Depth	Concentration	Max. size (MM)	Shape
282.9			
286.5	1	10	V
294.3	2	30	V
315.2	3	40	V
316.3	2	10	S

ALTERATION

Depth	Texture	Intensity	Mineralogy
280–281.7	P	2	SiSe
281.7–286.5			
286.5–290.4	P	3	SiSe
290.4–300.3			
300.3–300.4			
300.4–307.7	V	1	SiSeFy
	L Ma	3	CL
307.7–320			

VEINING

Depth	Intensity	Max. width (MM)	Mineralogy
291.9–294.3	1	200	Co
	2	10	SiCo
	1	20	SiTr Ep
307.7–320	1	5	SiCo

MINERALISATION

Depth	Texture	Mineralogy & contents
280–286.5	Ds Vn	Py Cr
286.5–290.4	Ds	Sp Cu tr

FAULTS

Depth	Position of base	Downhole width (CM)	Core axis angle	Gouge
292.2	2	80	Pu	
300.4	10	40	Sh Co	
301.7	10	40	CL Ru	

FOLIATION

Depth	Type	Core axis angle

WEATHERING

STANDARD COLOUR LOG

REMARKS

SAMPLE NO.

Depth	Sample no.
280–292	622122
292–300	622123
300–316	622125

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DIAMOND DRILL LOG

HOLE No. MAc 30A
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DEPTH	DRILLING RUNS	CORE LOSS	CORE TRAY NO.
320–360			34, 35, 36, 37, 38

LITHOLOGY

STRATIGRAPHY	ROCK TYPE	COLOUR	VOLCANICLASTICS FRAGMENTS COMPOSITION	MAX. SIZE (MM)	SORTING	SHAPE	MATRIX COMPOSITION	VOLUME %	LOWER CONTACT GRADATION	STYLE
	329.4								Gl	
	B-c	Gy Gn								
	333.8								Gl	
	B-4/bv	Gy Gn	B	1000?	P	V	SiSeCl a?	10		

VESICLES

CONCENTRATION	MAX. SIZE (MM)	SHAPE
320.1		
4	5	S
329.4		
2	10	S
333.8		
3	20	S
347.0		
2	5	S
358.5		
359.6		

ALTERATION

TEXTURE	INTENSITY	MINERALOGY
V	1	SiSeFy

VEINING

INTENSITY	MAX. WIDTH (MM)	MINERALOGY
323.6		
3	100	SiTr Ep
330.2		
1	10	SiCo
1	10	SiTr Ep
347.0		
2	20	SiEp (Tr) Po

MINERALISATION

TEXTURE	MINERALOGY & CONTENTS
Ds Vn	Py tr
Ds	sp Cu.
348.1	
Vn	Po tr
Ds Vn	Py tr
Ds Vn	sp Cu tr

FAULTS

POSITION OF BASE	DOWNHOLE WIDTH (CM)	CORE AXIS ANGLE	GOUGE
343.6	1	70	SC

FOLIATION

TYPE	CORE AXIS ANGLE

WEATHERING

STANDARD COLOUR LOG

REMARKS

Possible pillow lava sequence
Lge. blocks of aphyg. B. lava upto 1m in obscure aph/lap. vkl. matrix.

TS 622354
342.5m

local stockwork SiSeFy alter/veins. gen <1cm wide.

SAMPLE NO.

622126
622127
622128

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ABERFOYLE RESOURCES LIMITED

TELLYER DIVISION

DIAMOND DRILL LOG

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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	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
362																																			362
364		39																																	364
366				B-L/bv										3	10	S				366.4			366.4											622129	366
368																																			368
370																	V	1	sisafy	1	5	sic	Vn Ds	fy tr											370
372		40																																	372
374																																			374
376				376.8										376.8																					376
378																																			378
380		41																																622130	380
382				B-L																															382
384														3	15	S																			384
386																																			386
388		42																																	388
390																																			390
392														392.5																					392
394		43																																622131	394
396														2	10	V																	TS 622355 395.9m		396
398																																			398

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DIAMOND DRILL LOG

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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	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
402																																			402
404		44												2	10	V																		622132	404
406																							Vn Ds	Py tr											406
408				B-L													Y	1	Si Se Py																408
410		45																																	410
412														413.0																					412
414																																			414
416				416.6								S					416.4						416.6												416
418		46		YB-bv/lv	cy-cyh	B	1000	P	V	a Si Se	10						Ma	3	Si Se Py				Dc Vn	Py 5										622133	418
420				419.7								S1		1	10	V							Ds	Sp 1-2											420
422				YB-lv	cy-cyh	B, HA	50	P	V	a	40																								422
424				423.8								S					423.8						423.8												424
426		47																																622134	426
428																							Vn Ds	Py tr											428
430														429.7																					430
432				B-L	cy-cyh									2	30	V	V	1	Si Se Py	431.3															432
434		48												431.7						2	10	Co Si												622135	434
436														1	5	V																			436
438																																			438

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ABERFOYLE RESOURCES LIMITED

DIAMOND DRILL LOG

HOLE No. MAC 30A
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DEPTH	DRILLING RUNS / CORE LOSS	CORE TRAY NO.
442		49
444		
446		50
448		
450		
452		51
454		
456		
458		
460		52
462		
464		
466		53
468		
470		
472		
474		54
476		
478		

LITHOLOGY

STRATIGRAPHY	ROCK TYPE	COLOUR	VOLCANICLASTICS FRAGMENTS COMPOSITION	MAX.SIZE (MM)	SORTING	SHAPE	MATRIX COMPOSITION	VOLUME %	LOWER CONTACT GRADATION	STYLE
	443.6 B-Ru/cu	Cy Cu	B	60	P	A	Si Se	20	S S	
	444.8 B-L	Cy Cu -Cy								
	456.4 B-Ru/cu	Cy Cu	B	20	P	A	Si Se	25	S	
	456.5 B-L	Cy Cu							S	
	456.9 B-Cv	Cy Cu	B	50	P	A	Si Se	10	S	
	457.4 B-L	Cy Cu -Cy								
	473.7 HA	Cy							S S	

VESICLES

CONCENTRATION	MAX.SIZE (MM)	SHAPE
443.6		
444.8		
2	5	S
456.4		
457.4		
2	5	S
473.7		
474.3		
1	10	S

ALTERATION

TEXTURE	INTENSITY	MINERALOGY
444.8 P	2	Si Se Py
447.8 V	1	Si Se Py
L	1	Se
473.7 P	3	Si Se Py
474.3 L	3	Se Si Py

VEINING

INTENSITY	MAX.WIDTH (MM)	MINERALOGY
466.0		
3	20	Co
2	50	Si Co Tr Ep
471.7		
3	20	Co
1	30	Si Co Tr Ep
1	10	Si Co

MINERALISATION

TEXTURE	MINERALOGY & CONTENTS
444.8 Vn Ds	Py 2-3
447.8 Vn Ds	Py tr
456.6 Ds	Sp 1-2 Py 2
457.4 Vn Ds	Py tr
473.7 Ds	Py 3-5
474.3 Vn Ds	Py tr

FAULTS

POSITION OF BASE	DOWNHOLE WIDTH (CM)	CORE AXIS ANGLE	GOUGE
466.2	1	35	Pu
476.7	1	50	Pu

FOLIATION

TYPE	CORE AXIS ANGLE

WEATHERING

STANDARD COLOUR LOG

REMARKS

622356
453.8m

475.0
Coarse fd phenos to 1cm to about 10% of rock.

SAMPLE NO.
622136
622137
622138

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ABERFOYLE RESOURCES LIMITED

DIAMOND DRILL LOG

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DEPTH	DRILLING RUNS / CORE LOSS	CORE TRAY NO.
482		55
484		
486		
488		
490		56
492		
494		57
496		
498		
500		58
502		
504		
506		
508		59
510		
512		60
514		
516		
518		

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
	B-L	Cy Gn / Cy								
495.2									F	
	B-L/bv	Cy Gn	B	100	P	V	SiSe	10		
502.0									Gl	
	B-L	Cy Gn								
508.3									S	
	B-Lv/bv	DGn	B	65	P	V	ClSiSe	30		
512.5									S	
	B-L/bv	Cy Gn	B	100	P	V	SiSeFy	5		
516.1									Gl	
	B-L	Cy Gn								

VESICLES

CONCENTRATION	MAX.SIZE (MM)	SHAPE
482.3		
2	10	S
492.0		
502.7		
2	5	V
508.3		
3	10	S
512.5		
2	15	V
517.7		

ALTERATION

TEXTURE	INTENSITY	MINERALOGY
482.3		
495.2		
V	2	SiSeFy
L	2	SiSeFy
508.3		
M	3	CL
512.5		
V	2	SiSeFy
L	2	SiSeFy
L	3	CL

VEINING

INTENSITY	MAX.WIDTH (MM)	MINERALOGY
511.0		
2	10	Q
1	10	SiQ
516.1		

MINERALISATION

TEXTURE	MINERALOGY & CONTENTS
495.2	
Vn	
Ds	Py 2-3
Vn	sp tr

FAULTS

POSITION OF BASE	CORHOLE WIDTH (CM)	CORE AXIS ANGLE	GOUGE
482.3	20	30	Lr Ru
481.8	1	45	Ru
487.1	1	45	Ru
493.5	460	30?	Ru/Sl
495.2	30	?	Ru
501.6	1	2	GoSL
508.4	10	30?	SL
510.4	30	25	Ru SL
511.2	10	5	SL

FOLIATION

TYPE	CORE AXIS ANGLE

WEATHERING

STANDARD COLOUR LOG

REMARKS

482.3

Fault caused drilling problems

Lost water

Prob domainal alt'n

TS 622357
504.2m

Genuine volcaniclastic

Prob domainal alt'n

SAMPLE NO.	DEPTH
622139	482, 484, 486, 488, 490, 492
622140	494, 496, 498, 500, 502, 504, 506, 508
141	510, 512
622142	514, 516, 518

ABERFOYLE RESOURCES LIMITED

HELLYER DIVISION

DIAMOND DRILL LOG

HOLE No. MAC 30A
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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	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
520																																			520
522																																			522
524														1	10	V																			524
526		61		B-1	Cy Gr															3	10	Co			526.7	100	10	Ru Sk Co							526
528																									528.6	.5	20	Sk Co						6221343	528
530																									530.0	.5	70	Sk Co							530
532		62																																	532
534																				534.9			Vn Ds	Py 2-3											534
536																				1	10	Co			537.1	.1	80	Sk							536
538														538.2						537.2															538
540		63												2	10	S				3	50	Co													540
542																									543.0	20	55	Sk Pu	Cl	50°			541.8 / 543.5 Cleavage assoc. w. fault.		542
544																													543.2						544
546																																			546
548		64												548.3						547.7														6221444	548
550														3	15	S	550.3			2	10	Co													550
552														551.3			L	3	SiEp														T.S 622358 551.1		552
554		65												2	10	V	552.3 L	2	SiSeFy																554
556																	L	3	Cl																556
558																																			558
560																																			560

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DIAMOND DRILL LOG

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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	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
562		66												562.4 / 3	30	V																			562
564														563.1 / 2	15	V																		6221 45	564
566														565.0						2	10	6													566
568														1	5	V																			568
570		67												571.5			L	2	sisefy														570.4 flow boundary ?30°CA		570
572				B-L										2	10	V																			572
574														574.2 / 3	20	V				574.7			574.4											6221 46	574
576														574.6						3	10	6	Vn Ds	Py 1-2											576
578		68												1	10	V																			578
580																																			580
582																																		6221 47	582
584																																			584
586		69																																	586
588																																			588
590				589.7							5			589.7			589.7						589.7												590
592		70		A-L																													massive aphyric andesite lava	6221 48	592
594																																			594
596																																			596
598																																			598

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HALLYER DIVISION

DIAMOND DRILL LOG

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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	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
600																																				600
602			71																															622359 601.5m	622149	602
604					A-L	GyGn															3	10	Co													604
606																																				606
608			72		609.3								S	40°CA	609.3			609.3						609.3												608
610					B-L	Gy									1	10	S	P	3	SiSaPy				Ds	Py 2-3										622150	610
612					612.4								S	50°CA	612.4			612.4						612.4												612
614			73		A-L	GyGn																												As for 589.7-609.3	622151	614
616																																				616
618																																				618
620																																				620
622			74																																	622
624																																				624
626																																				626
628																										629.1	1	30	Pu						622152	628
630																																				630
632			75		632.1								F																							632
634					FZ 634.9	Gy							F					634.9						634.9		634.9	280	30	PuRu					Drilling problems with this fault.	153	634
636					636.2 HA	Gy							G1		636.2			P 636.2	4	SiSaPy						635.6	2	20	RuSi						154	636
638			76		B-L	GyGn									1	5	S	L 638.7	3	SiSaPy				Vn Ds 638.7	Py 3-5	637.0	5	20	Ru							638
																										638.8	10	20	CoRu							
640																																				640

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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
640													
				641.5								S	
642													
644		77		B-flv/clv	Cy Gn	B	30	M	V	Sil Cl	15		
646													
648				649.1								S	
				B-L	Cy Gn								
650				651.1								S	
		78		651.9 B-lv/bv	Cy Gn	B	65	P	V	a	30	S	
652													
654				B-L	Cy Gn								
				656.7								S	5°
656													
658				A-L	Cy Gn								
		79		660.9								S	50°
660													
662				B-L	Cy Gn								
				663.6								S	35°
664													
666				B-flv/clv	Cy Gn	B	50	P	V	Sil Cl	20		
		80		667.9								S	
668													
670													
672				A-L	Cy Gn								
674		81											
676													
678				678.3								S	
				B-L	Cy Gn								
680													

VESICLES CONCENTRATION	MAX.SIZE (MM)	SHAPE	ALTERATION TEXTURE	INTENSITY	MINERALOGY	VEINING INTENSITY	MAX.WIDTH (MM)	MINERALOGY
			640.6			640.9		
			V	1	CL			
			641.9					
1	5	S	L	1	Se			
649.1								
3	5	E						
651.1								
651.9 5	5					651.9		
						2	10	G
						3	40	Co
663.6								
2	5	5						
667.9								
678.3								

MINERALISATION TEXTURE	MINERALOGY & CONTENTS	FAULTS POSITION OF BASE	DOWNHOLE WIDTH (CM)	CORE AXIS ANGLE	GOUGE	FOLIATION TYPE	CORE AXIS ANGLE	WEATHERING	STANDARD COLOUR LOG
Vn Ds	Py tr	642.4	50	50	Ru/Pu				
		643.8	5	40	Ru				
		647.1	10	40	Sh Ru				
		647.5	1	25	Cu				
663.6									
Vn Ds	Py 3-5								
668.0									
		668.9	1	15	Pu				
Ds Vn	Py tr								
678.3									

REMARKS

643.4 ORIENTAION

aphyric A-lava as above
eg 589.7-609.3
TS 622360
660.2m

Increase in Cl ferromag. phenos. Different flows

SAMPLE NO.	DEPTH
622155	640–646
622156	650–656
622157	658–660
622158	664–668
622159	670–678

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DEPTH	DRILLING RUNS	CORE LOSS	CORE TRAY NO.
682–684			82
686–688			83
694–696			84
702–704			85
710–712			86
716–718			87

STRATIGRAPHY	ROCK TYPE	COLOUR	VOLCANICLASTICS FRAGMENTS COMPOSITION	MAX. SIZE (MM)	SORTING	SHAPE	MATRIX COMPOSITION	VOLUME %	LOWER CONTACT GRADATION	STYLE
	680.6 R-Fl/Clv	Gy Gn	B	50	P	V	SiSeCl	20	S	
	681.0 B-C	Gy								
	684.4 685.0 B-Clv	Gy	B	30	M	V	SiSe	20	S	10°
	B-C	Gy Gn								
	691.2 B-Flv/Clv	Gy Gn Gy	B	40	P	V	SiSeCl	20	S	
	696.0 HA/B-Lv 697.5	Gn	B	40	P	V	SiSeCl	20	S	15°
	698.6 HA	DGn							F	
	A-C	Gy Gn								

VESICLES CONCENTRATION	MAX. SIZE (MM)	SHAPE
698.6	1	5	S

ALTERATION TEXTURE	INTENSITY	MINERALOGY
681.0		
P	2	Se
686.5		
L	1	Se
696.0		
L	5	Cl
697.5		
698.0 P	5	Cl
P	1	SeCl
698.6		
L	1	Se
707.8		
P	2	Se
709.5		

VEINING INTENSITY	MAX. WIDTH (MM)	MINERALOGY
3	20	C

MINERALISATION TEXTURE	MINERALOGY	% CONTENTS
Vn Ds	Py	2-3
686.5		
Vn Ds	Py	1-2
698.6		
Ds	Py	tr

FAULTS POSITION OF BASE	DOWNHOLE WIDTH (CM)	CORE AXIS ANGLE	GOUGE
681.5	1	25	Cl Pu
682.6	1	10	Pu Cl
686.8	2	70	Pu
690.5	.5	25	Sl Pu
690.9	1	35	Pu Pu
695.4	.5	15	Sl Cl
697.0	.5	1°	Sl Cl Cl
698.6	1	30	Pu Cl
702.3	5	55	Pu
703.4	1	80	Pu Pu
704.2	.5	20	Pu Pu
707.8	5	20	Pu
708.6	.5	5	Pu Pu
709.8	30	35	Pu Pu
716.3	10	45	Pu

FOLIATION: TYPE / CORE AXIS ANGLE

WEATHERING

STANDARD COLOUR LOG

REMARKS

TS 622361 683.6m

HA/Lv boundary runs down C.A

Chlorite rock w. < 4mm ep? alt. fd? phenos. 5-10%

much slickensided joints fractured core.

Massive to weakly vesicular aphyric no weakly Cpx porphyritic lava.

SAMPLE NO.
622160
622161
622162
622163

DEPTH 680 – 720

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DRILLING

DEPTH	DRILLING RUNS / CORE LOSS	CORE TRAY NO.
720–760		88, 89, 90, 91, 92

LITHOLOGY

STRATIGRAPHY	ROCK TYPE	COLOUR	VOLCANICLASTICS FRAGMENTS COMPOSITION	MAX. SIZE (MM)	SORTING	SHAPE	MATRIX COMPOSITION	VOLUME %	LOWER CONTACT GRADATION	STYLE
	A-L									
	723.2								S	
	B-fl/clv 724.9	DGrn	B	40	P	V	a	60	F	
	A-L	GyGn								
	729.5								S	
	B-L	GyGn								
	732.7								G1	
	HA/B-L	Grn-GyGn								
	735.4								F	
	A-L	LGyGn-Gy								
	747.0								F	
	V-mlw 747.5	GyGn	B,A	30	m	V	a	20	S	
	B-L	GyGn								
	752.7								S	
	V-mlw 753.1	GyGn	B,A	25	M	V			S	
	B-fl/bv 756.4	GyGn	B	100	P	V	a	50		
	A-L	GyGn								

VESICLES

CONCENTRATION	MAX. SIZE (MM)	SHAPE
723.2		
724.9		
1	5	S
729.5		
747.5		
1	5	S
752.7		

ALTERATION

TEXTURE	INTENSITY	MINERALOGY
720.7		
P	1	Se
722.3		
732.7		
P	3	Si Se Py
736.0	3	Se
735.5		
742.2		
P	3	Si Se Py
744.3		
756.4		Si
756.5		

VEINING

INTENSITY	MAX. WIDTH (MM)	MINERALOGY
3	30	Co
1	200	Si Co

MINERALISATION

TEXTURE	MINERALOGY & CONTENT
720.7	
Vn Ds	Py 2-3
722.3	
Vn Ds	Py tr
731.2	
Vn	Py 5-10
733.7	
742.2	
Vn Ds	Py 1-2
747.7	
Ds	Py tr
756.4	
Vn Ds	Py tr

FAULTS

POSITION OF BASE	DOWNHOLE WIDTH (CM)	CORE AXIS ANGLE	GOUGE
720.7	30	35	Ru Sh
721.5	20	35	Sh Ru
724.9	5	50	Ru Co
731.9	1	2	Bl Co
734.3	5	80	Ru Ru
735.0	1	20	Ru
735.4	2	45	Ru Ru
743.0	80	15	Ru Ru
746.8	1	20	Ru
747.0	.5	70	Co
747.9	80	30	Ru Ru
759.5	70	?	Ru Ru

FOLIATION

TYPE	CORE AXIS ANGLE

WEATHERING

STANDARD COLOUR LOG

REMARKS

coarsely porphyritic w. cl. after ferromagn.

aphyric A-L

SAMPLE NO.

163, 164, 165, 622166, 622167, 622169, 170

DEPTH

720, 722, 724, 726, 728, 730, 732, 734, 736, 738, 740, 742, 744, 746, 748, 750, 752, 754, 756, 758, 760

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DEPTH	DRILLING RUNS / CORE LOSS	CORE TRAY NO.
760–764		93
764–770		94
770–776		95
776–784		96

LITHOLOGY: STRATIGRAPHY	COCK TYPE	COLOUR	VOLCANICLASTICS FRAGMENTS: COMPOSITION	MAX. SIZE (MM)	SORTING	SHAPE	MATRIX: COMPOSITION	VOLUME %	LOWER CONTACT: GRADATION	STYLE
	762.3								F	
	B-W/bv 763.5	Cy Gr	B	50	P	V	a	30	F	
	A-L 766.6	Cy Gr							S 15°	
	B-W/bv 768.0	Cy Gr	B	100	P	V	a	30	S	
	B-L	Cy Gr								
	773.0 B-W 773.8	Cy Gr	a						S F	
	B-L	Cy Gr								
	776.8								S	
	B-W/bv 778.7	Cy Gr	B	100	P	V	a	20	S	
	B-L 779.8	Cy Gr							S	
	B-W 780.2	Cy Gr	B	30	P	V	Py	10	E	
	B-L	Cy Gr								

VESICLES: CONCENTRATION	MAX. SIZE (MM)	SHAPE
763.5		
1	10	S
776.6		
773.8		
1	10	V
776.8		
780.2		
2	10	E

ALTERATION: TEXTURE	INTENSITY	MINERALOGY
776.6		
P	1	Se
776.8		
780.2		
P	2	Se

VEINING: INTENSITY	MAX. WIDTH (MM)	MINERALOGY
3	30	Cb

MINERALISATION: TEXTURE	MINERALOGY & CONTENTS
763.5	
773.8	
V Ds 775.9	Py 3-5
779.8 V 780.2	Py 10
Ds	Py 3

FAULTS: POSITION OF BASE	DOWNHOLE WIDTH (CM)	CORE AXIS ANGLE	GOUGE
762.3	1	70	G
763.5	1	70	G
773.3	1	25	SL
780.2	1	50	SL
780.4	10	85	Ku

FOLIATION: TYPE / CORE AXIS ANGLE

WEATHERING

STANDARD COLOUR LOG

REMARKS	SAMPLE NO.
chilled margin 5° CA. 763.4	170
aphyric but vesicular	
fd por B-L	622171
cpx por ang B-L	622172
EOH 784.4	

DEPTH: 760, 762, 764, 766, 768, 770, 772, 774, 776, 778, 780, 782, 784, 786, 788, 790, 792, 794, 796, 798, 800

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