Aberfoyle Resources Limited
EXPLORATION DIVISION

DIAMOND DRILL LOG

PROJECT : Muchintosh

PROSPECT: North Hatfield

HOLE NO : Mac-24 (VLHY-1)

PAGE : 1 of 12

LOGGED : AMcN

DATE : 6-6-89.

DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY: ROCK NAME	LITHOLOGY: DESCRIPTION	ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
2		87%	Tertiary Basalt	red-brown vesicular Basalt lava. One Massive, brown-green, Possibly feldspar-phyric interval, ie. 4.4-7.3m.				broken, rubbly Core	Ox 1-4 ↓			
4												
6		50%										
8			7.3 Tertiary Sediments	fine grained grey-green to red siltstone.								
10		68%										
12			Ductile lava/intrusive	Strongly weathered to 10.6m. green feldspar-phyric (Sericite altered) massive to brecciated lava or intrusive. breccia zones have Sericite ± chlorite rich matrix. leached out angular fractures (prob. veins) have Mn Coatings.	Pat. Hmt (1-2)			10.6 fault pug.	Ox 2 Leach			
14												
16								16.6 fault - pug + Mn wad.				
18												
20			19.6 grey-green massive aphyric dacitic lava.		19.6			18.8 fault - breccia zone parallel to Core axis. 20.0 fault = 80° to CA.				
22			22.6 light green feldspar-phyric (Sericite altered) dacitic lava. Minor zones of brecciation ca. 29.7m.		22.6 Pat + diss. Red Hmt (1)	Co (1) + some open fracture Mn Coated.		broken Core 23.1 fault.				
24												
26												
28												
30								30.7 fault = 35° to CA.				
32							32.1 Py diss + Pat. (1). Py concentrated in breccia zones.	32.7 fault = 10cm pug & Mn + Iron staining. f = 50° to CA.				
34								34.6 fault.				
36								36.4 fault.				
38								38.8 fault = broken Core + pug.				
40												
42												

Aberfoyle Resources Limited
EXPLORATION DIVISION

DIAMOND DRILL LOG

PROJECT : Mackintosh

PROSPECT: Nth. Hatfield

HOLE NO : Mac 24 (NLHY-1)

PAGE : 2 of 12

LOGGED : AMcN

DATE : 6-6-89

DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY: ROCK NAME	LITHOLOGY: DESCRIPTION	ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
44			Dacitic lava/intrusive			Cl (1) Co (1)	No Min.				HQ NQ 43.7	
46												
48												
50												
52								50.5 Broken Core 52.6				
54		85%										
56												
58		75%			58.4 disseminated chlorite (2)							
60		90%			" " (3)	Cl (2).						
62					" " (1)			62.6 fault pug.				
64					65.0	Cl (1)						
66												
68												
70											70.45 Petrology 515670	
72												
74						73.7 Q+Cl+py (2)						
76												
78					79.0							
80					Cl (1-2)							
82					83.3			83.8 fault = 20° to CA.				
84												

PROJECT : Mackintosh

PROSPECT: N^th Hatfield

Aberfoyle Resources Limited
EXPLORATION DIVISION
DIAMOND DRILL LOG

HOLE NO : MAC 24 (VLHY-1)
PAGE : 3 of 12
LOGGED : AMcN
DATE : 6-6-89

DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY: ROCK NAME	LITHOLOGY: DESCRIPTION	ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
86			Dacitic lava/intrusive			Q+Cl+tr.py (1)	diss py(1) on fracture surfaces.					
88		50%										
90												
92												
94								94.45 fault = Py, breccia.				
96												
98												
100												
102												
104												
106								105.0 fault = 46° to CA. also fault = 10° to CA.				
108												
40												
112				112.75 breccia with exotic fragments (black shale, grey chert, green ash volcaniclastic)			112.75					
114				115.0			113.0	113.0 abrupt contact = 40° to CA. Conformable.				
116				114.2 / 114.7 Monomict breccia	116 aff-white clay? rims appear on se altered feldspar xtals. Increases in intensity toward contact	114.5 aff white clay? veins appear(1)	dis. (coarse py(2) + fg. Pat. py(3) in matrix of breccia.					
118							114.2 – 114.7 Py. dis. (2–3)					
120				120.7 Abrupt Contact.	120.6 Pat. ovoid Si (2–3) dv texture?	clasts in (2): Co+Cl(2)						
122			Interbedded shale, Siltstone and Sandstone	Interbedded light grey fg. sandstone/siltstone and blk shale. Scattered knicklh extrusitic fragments. .. 123.4 5cm olive green ash volcaniclastic interbed, weakly devitrified.		Co (1–2)		120.7 Contact: 80° to CA.				
124				125.15 Abrupt Contact to sandstone–shale matrix ± feldspar–phyric sericitic extrusitic fragments.		Co + Cl + tr py (1) 123.0 – 123.1 Co+Py(3–4)		122.0 bedding = 80° to CA. 123 – 123.1 Microfaults = 0–30° to CA.			Shale / Sandstone / * 123.45 Petrology SI5675	
126				126.5		Co+Py (1–3): Py(1)		126.5 bedding = 70° to CA.			126.5 Truncation of bedding suggests Downhole facing	

PROJEOT : Mackintosh

PROSPEOT: North Hatfield

Aberfoyle Resources Limited
EXPLORATION DIVISION
DIAMOND DRILL LOG

HOLE NO : MAC 24 (N44-1)
PAGE: 4 of 12
LOGGED: AM+N
DATE: 6-6-89

DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY: ROCK NAME	LITHOLOGY: DESCRIPTION	ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
128				interbedded shale and sandstone. Some sandstone beds contain shale fragments.								
130				129.3 - 129.5 grey-green ash volcaniclastic interbed.		Py(1): Co+Py (1-3)						
132				↓ Abrupt Contact		131.9 Q+Co+Cl+tr.Sp.(1)						
			132.55 Fine lavith volcaniclastic ?Dacitic.	fine grained grey matrix supports Sericitic feldspar-phyric cuttavitic fragments and cream colored Carbonate? patches. minor Shale interbeds. from 133.9 - 134.5 has a green-pink matrix.			dis + pat py (1)					
136			137.15 Interbedded Shale Siltstone and Sandstone.	black to grey laminated Shale and light grey Siltstone interbedded with fine grained Sandstone (arkaceous), Sheared in part with Slumped + disrupted bedding.		Co+Py(3-3) : Py(1-2)						
140												
142				144.7 green-grey ash volcaniclastic		144.7 - 145.2 Co(2) : Py(1-2) Py(1) Co+Py+tr Sp (1)		144.75 fault -				
144				145.2		146.2 10cm zone of Py(2)		145.45 fault = 45° to CA.				
146				146.95 interbedded volcaniclastic with feldspar-phyric cuttavitic frags.		↓ Vein on Contact: Q+Co+tr Sp.		146.2 Slump folding. Contact = 68° to CA. faulted				
			147.2 Dacitic lava	green-brown massive lava with sericite altered feldspar xtals. Minor white clay alteration. Minor brecciation with carbonate matrix.	Si(1) Se(1-2)	Co(1-2), Cl(1-2)						
148			149.15 Sandstone and Shale	dominantly grey-black shale, minor sandstone and ash Volcaniclastic interbeds.		Co(3): Py(2)		Abrupt conformable Contact				
			150.95 Dacitic lava	green-brown massive to weakly brecciated lava. sparse Sericitised feldspar phenocrysts.	Si(1-2) Se(1)	Co(1-2)	V. fine Pyrite on fractures (1-2), Some Pyrite as matrix to breccia zones especially at 151.55m.	149.5 fault: 55° to CA. Shd Py.				
152								150.85 - 150.95 fault zone				
154												
156												
158											158.7 Petrology S/5671	
160				160.75 light green-grey devitrified zone 161.2		160.75 Co(3) 161.2						
			163.45 Sandstone and Shale	interbedded fine grained light grey sandstone and black-grey shale, laminated. Zones of slumped bedding. 164.85 - 165 grey-green crystal volcaniclastic ± shale frags.		Co(1-2)		Zones of strong microfaulting associated with veining.				
162				166.9 - 167.2 feldspar-phyric crystal volcaniclastic ± shale frs.		Co(2) ± Py(1) : Co+Py(1-2)						
164				168.05 Sedimentary breccia - sandstone mtx. ± shale clasts 5cm thick.								
166											166.45 Core Orientation Radial angle = 258° CA. intersection = 62° ∴ So. 40° to 051°	
168												

PROJECT : Mackintosh

PROSPECT: North Hatfield

Aberfoyle Resources Limited
EXPLORATION DIVISION
DIAMOND DRILL LOG

HOLE NO: MAC 24 (VLHM-1)
PAGE: 5 of 12
LOGGED: AMcN
DATE: 6-6-89

DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY: ROCK NAME	LITHOLOGY: DESCRIPTION	ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
170			Interbedded Sandstone and shale	as above		Co(1-2): Py(1-2) Co+Sc(1)- often fault associated.						
172				170.65-170.95 crystal volcaniclastic, feldspar-phyric							171.0 Petrology SIS672	
174				174.0 3cm of Sericitic cataclastic clasts in Sandstone				174.6 bedding = 75° to CA.				
176				175.2 - 175.4 light pink-brown ash volcaniclastic with Siltstone interbed. 176.1 Cataclastic matrix breccia - associated with faulting.		172.4 Co+tr gn. vein		176.2 fault = 60° to CA.				
178				178.4 - 178.65 devitrified ash volcaniclastic grade, into fine lapilli cataclastic volcaniclastic.		178.7 Co+Sc + tr Ap. vein.		178.7 fault = 50° to CA.				
182				181.0 - 181.2 breccia of black shale fragments in a fine lapilli Volcaniclastic with dacitic lava frags. - also at 191.45-191.5		Co+tr Py (1-2)		181.4 bedding = 65° to CA. 181.8 fault = 55° to CA. 182.2 bedding = 75° to CA. 182.7 bedding = 40° to CA.				
			182.4 ash volcaniclastic	grey bedded ash volcaniclastic								
			183.45 Sandstone	grey fine grained Sandstone								
184			Volcaniclastic	grey fine grained matrix, feldspar-phyric with scattered black shale fragments. Sericitic feldspar-Ap+ "fiamme" common below 184.45m. Common white-cream carbonate rich fragment - ex lava?		Py(1)						
186											186.0 Petrology SIS673	
187			187.7 interbedded shale and sandstone	black shale and fine grained grey mica sandstone		187.8 CO(2): Py(1)	Pat. Py(1-6)	187.7 abrupt Contact = bedding = 70° to CA.				
190				190.45 4cm ash volcaniclastic. 191.3 - 191.45 grey ash volcaniclastic interbed. 191.9 grey ash volcaniclastic + shale fragments. 192.7								
194												
196				195.5 - 196.9 polymict fine lapilli volcaniclastic + ash volcaniclastic matrix.		Co (1-2): Co+Py(1-2)		195.4 bedding = 65° to CA.				
			197.0									
198			Polymict Volcaniclastic	Dacitic medium to fine lapilli volcaniclastic. Sub-angular black shale, laminated shale, dacitic lava and grey ash volcaniclastic fragments. Interbedded with grey-green ash volcaniclastic fragments. Minor cataxitic and micaceous sandstone clasts. Ash volcaniclastic matrix.		Co(1-2)	Py. pat.(1).	196.5 bedding = 70° to CA. 196.95 fault = 20° to CA. 197.5 fault = 25° " " 198.2 fault = 25° " " 198.8 " = 20° " "				
200						Co(2-3)						
			201.5 ash volcaniclastic	green-grey ash volcaniclastic, devitrified in part, minor lapilli volcaniclastic and sandstone/shale interbeds.		Co+tr py (2): Co(1)		201.1 bedding = 70° to CA. 201.3 fault = 70° to CA. 202-202.5 fault = 5-10° to CA			200.25 Petrology SIS674.	
204						204.6 Co(2)		204.2 bedding = 65° to CA.				
206											205.8 Petrology SIS675	
208												
210												

PROJECT : Mackintosh

PROSPECT: North Hatfield

Aberfoyle Resources Limited
EXPLORATION DIVISION

DIAMOND DRILL LOG

HOLE NO: Mac 24 (VLHY-1)
PAGE: 6 of 12
LOGGED: AMcN
DATE: 21-6-89

DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY: ROCK NAME	LITHOLOGY: DESCRIPTION	ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
212			ash volcaniclastic	green-grey patchily devitrified ash volcaniclastic		Co(2)						
214						220.4E						
216						Co(1)		216.6 bedding = 60° to CA.			217.45 Petrology S15677	
218												
220			220.9 Dacitic lava.	light pink, massive, patchily devitrified feldspar-phyric lava or intrusive. weakly brecciated in part.	220.4 - 221 Se(3-4)		Diss. py (1)	220.9 fault = 20° to CA.				
222				223 weakly brecciated ± sericitic matrix.		Co(1-2)						
224												
226				227 fine calcite leucoxene flecks obvious	clio Se+Cl (1-2)							
228												
230				229.8 1cm grey fine lapilli to ash volcaniclastic. ↳ 229.9 15cm breccia with carbonate matrix.			229.9 diss py (2)					
232												
234												
236												
238												
240				239.8 green fine lapilli volcaniclastic - black shale, Dacitic lava, 240.35 and grey ash volcaniclastic		239.8 Co(1) 240.35 Co + tr py (1) · tfine?Cl + ?py (1-2)	239.8 py pat. (2). 240.3	239.8 Contact = 35° to CA. 240.3 fault = 30° to CA.				
242												
244				244.8		244.9 Co(1)	244.8 dis py (1).	244.9 fault = 30° to CA				
246				Polygenet dacitic medium to coarse lapilli volcaniclastic 246.2 clasts to 12cm but generally < 1cm. Sub angular to sub-rounded.		246.2 Co + Se (1); Cc (1)	246.2	245.1 fault = 35° to " . 246.2 bedding = 45° to CA.				
248												
250												
252												

Aberfoyle Resources Limited
EXPLORATION DIVISION

DIAMOND DRILL LOG

PROJEOT : Mackintosh

PROSPEOT: North Hatfield

HOLE NO : MAC-24 (NEHY-1)

PAGE: 7 of 12

LOGGEO: AMcN.

DATE: 21-6-89

DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY: ROOK NAME	LITHOLOGY: DESORIPTION	ALTERATION	VEINING	MINERALISATION	STRUGTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
254			Dacite lava.									
256												
258					Cl+Se pat.(2)			258.7 fault = 30° to CA.				
260				260.7 Apparently coherent, brown-green lava.	260.2-260.5 Co+Cl(1) pat + spot.			260.17 fault = 45° to CA.				
262				262.4 - 262.5 Polymict (Dacite lava, shale, coh volcani-clastic) fine lapilli volcaniclastic. irregular contact & brecciated dacite.				261.7 fault = 40° to CA. broken plug.				
264				263.4 - 267.5 Volcaniclastic as above. Dacite fragments May be pyritic.		263.5 Co+Fe Se(1)					262.45 petrology 515678	
266												
268				268.4 - 268.6 Dacite breccia with Carbonate matrix.		Co. vn. (2)						
270												
272						Co Cl + Fl. Py (1)		272.8 fault = 45° to CA.				
274												
276						276.9 Cz+Co+Py in fault.		276.4 fault = 15° to CA.				
278								276.9 fault = 70° to CA.				
280			ash volcaniclastic.	279.2 lithological change? 280.4 - 280.7 breccia with Carbonate filling. 281.7 Bk. shale fragments + ferrolitic extrusive clasts 1cm diameter.		279.2 Co+Py+ Fl. Ip VN (1) Co (2)		277.4 1cm Zone fault = 50° to CA. 280.2 fault = 65° to CA.	Gradational.			
282								282.4 fault ? broken Core				
284								284.5 fault = 85° to CA.				
286							285 Py (1) diss.	285.5 fault = 80° to CA.			286.95 Petrology 515679	
288						Co (1)						
290				290.5				Abrupt Conformable Contact = 55° to CA. 290.5				
292			291.5 Extrusitic Vlcl.	grey-green massive vlcl. & ferrolitic feldspar-phyric eruptive.		Co (2)	Py (1) 291.5					
294			ash volcaniclastic	grey-green ash volcaniclastic & minor shale fragments		Co (1)						

PROJECT : Mackintosh

PROSPECT: Black Harry - North Hatfield

Aberfoyle Resources Limited
EXPLORATION DIVISION
DIAMOND DRILL LOG

HOLE NO: MAC-24 (VHN-1)
PAGE: 8 of 12
LOGGED: AMcN.
DATE: -6-89

DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY: ROCK NAME	LITHOLOGY: DESCRIPTION	ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
296			ash volcaniclastic	grey-green ash volcaniclastic ± minor shale fragments		Co(1)		Abrupt, slightly irregular Contact ↙ at 65° to CA.				
298				296.8 grey patchily devitrified ash volcaniclastic. Some large rounded devitrification textures.								
300				301.3 1-5cm dia massive pyrite clast?				Contact = faults at 25 and 50° to CA. ↙				
302			302.2 Dacitic lava	green-brown massive dacitic lava ± irregular chlorite rimmed ± Carbonate cored vesicles.	302.6 ↳ Se(4) Cl(2)	Co±Cl(2) Co+py(1) 304 Qt+Co(1-2)	Py(1) diss. Py(1-2) diss. " "					
304												
306												
308						308 ↓ fine black pyrite vn.(1)						
310				311.4 More Vesicular.		309.5 tr py in ep+Co vn.						
312					Se(1-2)							
314			313.95 ash volcaniclastic	Strongly devitrified adjacent to Contact. grey ash volcaniclastic with shale partings and scattered shale clasts. Large to 11cm dia grey devitrification ovoids. from 314.4 - 314.5 is medium lapilli volcaniclastic ± shale and dacitic lava clasts.			Py pat. (1-2)	Abrupt Contact = 50° to ca.			314.5 Cleavage = 60° to CA.	
316						Qt+Co(1-2)	Py pat. (1)					
318												
320												
322				see a scattered sericitic feldspar-phyric eutaxitic fragments. Matrix appears to coarsen slightly.								
324												
326												
328												
330												
332				332.95 Seam of breccia with Qz+Co matrix. 333.55 " " " "				331.2 fault = 70° to CA. 332.8 fault = 65° to CA.				
334			333.9 Shale	laminated black-grey shale ± pyritic beds (<1cm thick) and very minor fine lapilli volcaniclastic interbeds.		Co(1-2)	333.9 Py. pod. (1-3) Py. pat. (1-3)	Conformable Contact = 35° to CA.				
336												

Aberfoyle Resources Limited
EXPLORATION DIVISION

DIAMOND DRILL LOO

PROJEOT : Mackintosh
PROSPEOT: North Hatfield

HOLE NO: Mac 24 (VHHy-1)
PAGE: 9 of 12
LOGGEO: AMcN
OATE: -6-89

DEPTH	DRILL RUNS	CORE LOSS	LITHOLOOY: ROOK NAME	LITHOLOOY: DESDRIPTION	ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
338			Shale	laminated grey-black shale, with minor ash Volcaniclastic interbeds.		Co(1-2) : Py(1)	Py pat (1-2).					
340								346.0 bedding = 85° to CA.				
342												
344												
346				347.4m 2cm g breccia with Carbonate rich Matrix								
348							Py. pat (2)					
350			350.1 Dacitic lava.	green to orange devitrified dacitic lava. feldspar-phyric. feldspar altered to Sericite +/- chlorite	↑ 10cm Se(3) on Contact.	Co(2) Py(1) Co(1)		350 fault = 70° to CA. Qt+Co+Cl. Vn.				
352												
354												
356			355.9 Shale	Abrupt irregular Contact laminated black-grey shale	↑ 2cm Se(2) on contact	Co(1) : py(1)	Py pat (2-3) Py. pat. (1)	358 bedding = 85° to CA.				
358												
360						Co(1-2)		360 fault = 60° to CA. ± Assoc. Qt+Co vn.				
362				361.7 Contorted bedding. 362 → polymict medium-coarse lapilli volcaniclastic, clasts of shale, dacitic lava, ash volcaniclastic and siltstone to 5cm diameter.				362 bedding = 65° to CA.				
364												
366				365.2 - 365.8 Dacitic lava	365.2 - 365.8 Se(3)Co(1)							
368			367.1 ash volcaniclastic	grey-green weakly laminated ash volcaniclastic, ± minor interbedded shale (eg. 367.3-368.4m). Scattered ovoid devitrification textures. laminae often silted and contorted, ± pattile load casts.				367.1 Contact = 85° to CA.				
370												
372												
374												
376				376.7 breccia ± ash volcaniclastic matrix and ash to fine lapilli volcaniclastic fragments.		376.9 - 377.1 py (2-3)						
378				378.2 - 378.4 shale in fault zone				377.4 fault = 80° to CA. 377.8 - 377.9 fault zone - veined, sheared ± minor py.				

PROJECT : Mackintosh

PROSPECT: North Hatfield

Aberfoyle Resources Limited
EXPLORATION DIVISION
DIAMOND DRILL LOG

HOLE NO: MAC 24 (VLHY-1)
PAGE: 10 of 12
LOGGED: AMcN
DATE: 7/89

DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY: ROCK NAME	LITHOLOGY: DESCRIPTION	ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
			ash volcaniclastic 379.1				379.1 dis py (1-2)					
380			Polymict Coarse lapilli volcaniclastic	Medium to Coarse grained clasts (upto >8cm dia) of laminated shale, ash volcaniclastic, dacitic lava, grey Carbonate rich lithologies and feldspar-phyric "plumose" types in a fine lapilli matrix. Clasts generally angular		Q+Co (1-2)						
			382.9 ash volcaniclastic 384.9	grey-green weakly laminated to massive ash volcaniclastic								
386			Polymict volcaniclastic	green fine lapilli volcaniclastic grade over 30 cm into medium to coarse volcaniclastic as above (379.1-382.9m)		Q+Co (1-2)		386 bedding = 65° to CA.				
388			ash volcaniclastic	dominantly grey-green weakly laminated ash volcaniclastic with minor shale fragments. Some thin interbeds of fine lapilli volcaniclastic (eg. 391.5m) & minor shale partings. interbedded lgt grey and grey-green units @ 9V.		Q (1): Co (1): Co + Sc (1)	Nil.					
390												
392								391.5 fault = 50° to CA. 392.0 fault = 60° to CA. 392.5 bedding = 45° to CA.				
394						Q+Co (1)						
396				396.3 fine lapilli volcaniclastic + shale and dacite clasts.				395.3 bedding = 65° to CA.				
398				Obvious Concentrically ringed light-dark grey devitrification ovoids in ash volcaniclastic		Q+Co (1-2) +/- Q+Co+Sc (1)		396.9 fault = 25° to CA.			397.9 Petrology 515676 * Renumbered * 515135	
400												
402								401.7 load cast/flame structure => facing up hole 402.85 fault = 75° to CA.				
404								↓ Considerable micro faulting				
406												
408						Q+Co (1)		409.6 bedding = 85-90° to CA.				
410				412.7 15cm sedimentary breccia, grey ash fragments in a pink-brown ash matrix. ↓ rapid colour change to pk-brown with large devitrification patches, to 8cm dia, with green rims and light grey-brown cores. 415.95 15cm dia. devitrification ovoid.				410.7 fault = 50° to CA.				
412												
414												
416												
418												
420												

PROJECT : Mackintosh

PROSPECT: North Hatfield

Aberfoyle Resources Limited
EXPLORATION DIVISION

DIAMOND DRILL LOG

HOLE NO: MAK-24 (VLHY-1)
PAGE: 11 of 12
LOGGED: AMcN
DATE: 7/89

DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY: ROCK NAME	LITHOLOGY: DESCRIPTION	ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
422			ash volcaniclastic	as above.		Qtz(1)	nil					
424												
426											426.5 petrology 515677 * Renumbered = 515136	
428												
430								430.9 fault				
432								431.1 fault.				
434												
436												
438												
440												
442												
444												
446												
448												
450												
452												
454			ash-fine lapilli volcaniclastic	mottled pink-brown, green and light grey volcaniclastic with v. few devitrification textures.			Py pat. (1)					
456												
458												
460				459.5 appearance of laminated porphyritic fine lapilli: interbeds possibly feldspar-phyric & 'fiamme' like clasts and black shale clasts.			Py pat. (1-2): diss py (1-2) + ? massive pyrite clast?	459.2 fault - broken core 459.7 bedding = 40° to CA.				
462											Renumbered - 515137P 462.5 petrology 515678 *	

Aberfoyle Resources Limited
EXPLORATION DIVISION

DIAMOND DRILL LOG

PROJEOT : Mackintosh

PROSPEOT: North Hatfield

HOLE NO : MK-24 (VLHY-1)

PAGE : 12 of 12

LOGGEO : AMcN

DATE : 7-89

DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY: ROOK NAME	LITHOLOGY: OESORIPTION	ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
464			fine lapilli volcaniclastic	Polymict medium to fine lapilli volcaniclastic. laminated pink-green. clasts of dacitic lava, ?ash volcaniclastic, black and green sericitic fiamme".				↓ Contact = 85-90° to CA.				
466			465.9	Abrupt ?Conformable Contact								
			Shale	Black-grey shale		Qtz Co (1-2)	Py part, upto 2cm long (1-2)					
468			468.4	Gradational ↓				468.4 bedding = 90° to CA.				
			ash volcaniclastic	grey ash volcaniclastic		Co (2)	469.9 Py part (1)					
470				olive green ash volcaniclastic weakly laminated. Minor devitrification patches and sericitic spots.		Co (2)		471.7 fault = 45° to CA				
472						472.1 Qtz Co Py vn in fault		472.1 fault = 60°				
474												
476				grey-green weakly laminated ash volcaniclastic. Some zones of monomict to weakly polymict breccia (eg 476.5m)		Qtz Co (1-2) mainly associated with zone of brecciation		475.4 bedding = 80-85° to CA 476-476.1 fault = broken core 476.5 fault = 40° to CA.				
478												
480												
482												
484											484.8 Core orientation radial angle = 006 Core axis intersection = 52 ∴ So =	
486												
488			488.8	EOH.							488.5 Core Orientation Radial angle = 355° Core axis intersection = 62 ∴ So =	
490												