Aberfoyle Resources Limited
EXPLORATION DIVISION

DIAMOND DRILL LOG

PROJEOT : Mackintosh EL

PROSPEOT: I1 ZONE

HOLE NO: Mac-28

PAOE: 1 of 22

LOGOEO: AMcN

OATE: 19-12-90

DEPTH	DRILL RUNS	CORE LOSS	LITHOLOOY: ROOK NAME	LITHOLOOY: OESORIPTION	ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
2			3.0m.	No Core - tricone								
4			Dacitic lava	lgt brown-pink massive feldspar-phyric, chloritic spotted lava. Strong Mn staining on joints.		Q (1) Mn filled fractures (2)			Ox3			
6												
8												
10		11.2										
12		60%										
14		13.3										
16												
18		17.7										
19.2		60%										
20		20%										
22		22.3										
24				24.6m.								
26			?Basalt lava breccia	Mottled pink-green massive to brecciated lava as above. ie. zone of fresh on-weathered lava. un-weathered lava looks basaltic								
28												
30												
32								32.9 fault = 35° to LCA. 33.0 fault = 60° to LCA. 34.2 fault = 50° to LCA. all faults puggy.	Pot Ox1			
34												
36												
38												
40												
42									Ox2			

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DIAMOND DRILL LOG

PROJECT : Mackintosh GL

PROSPECT: I, Zone

HOLE NO: Mac-28
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DATE: 19-12-90

DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY: ROCK NAME	LITHOLOGY: DESCRIPTION	ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
44			Basalt lava breccia	light brown - pink, with some green-pink, feldspar-phyric + chlorite spotted lava. breccia texture is obvious in less weathered intervals	Dendritic MnO_2 on Core Surface.	Q+Mn (1) Mn (2)			Ox 2			
46												
48									Ox 1-2			
50												
52									Ox 1			
54						Q + Mn+Se (2) Mn (1)		55.1 - 55.3m broken Core.				
56												
58				58.8. Green-pink highly vesicular Basalt lava fragments and siliceous pink-brown feldspar-phyric andesite-dacitic fragments in a massive green feldspar-phyric matrix. Some andesite-dacitic fragments look weakly Vesicular								
60												
62				62.4m 15cm diameter andesite-dacitic lava clast.								
64					CoSecl (1)	Co+Q ± Cpy ± Hmt (1) Q+Co (2)	62.7 Py (1)					
66												
68												
70												
72												
74												
76					CoSecl (1) fu (1) in vesicular clasts.	76.2 - 76.7 hydraulic bx ± Q+Co ± py vn mtx (4)						
78												
80						Q+Co (3)						
82											80.65m Petrology - 562691 Basalt lava breccia.	
84			Andesite lava.	84.3 ↕ Gradational Contact.		84.3 Q (1) Co (1)						

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PROJECT : _____

PROSPECT: I Zone

HOLE NO: Mac-28
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DEPTH	DRILL RUNS	OOBE LOSS	LITHOLOGY: ROCK NAME	LITHOLOGY: DESCRIPTION	ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
86			Andesite feldspar-phyric lava.	Massive to brecciated green to pink feldspar-phyric Siliceas andesitic - dacitic lava. Minor hydraulic breccia.	Si Si(1-2)	Q(1) Co(1) Q+Co+Cl(1)					85.3m petrology 562692.	
88												
90					90 Si(1-2)	Co(2) Q(1)		89.5-89.7 Sheared with disrupted veins => fault.				
92												
93.3			Basalt lava breccia	dark-green weakly feldspar-phyric matrix with clasts of vesicular pink-green basalt lava and minor dacitic clasts.	Se Si Cl(1) fuchs(1)	Co(2-4) Co+Se(1) Q(1)	Py(1) on joints + minor in Vesicles	93.3 fault = 80° to LCA.			92.8m HQ / NQ	
94												
96												
98												
100								97.3 broken Core 100.3 ? fault zone				
100.3			Andesitic feldspar-phyric lava.	Massive to brecciated pink-brown-green feldspar-phyric lava with irregular carbonate Patches (? Vesicles) and chloritic spots (? after ferromagnesian phenocrysts.)		Co(3)		104.6 fault = 65° to LCA. Rubbly.				
102												
104												
106												
108												
110				111.2 irregular Carbonate filled Vesicles obvious.								
111						Q+H-mt (1) Co(2)	Py(1-2)				112.4 petrology 562693	
114												
116				116 ↕ Gradational contact. lava becomes brecciated. 119.5		Q(2) Co(2)						
118												
119.5			Basalt lava breccia	Mottled green matrix with light green feldspar-phyric clasts and scattered pink-brown lava clasts. Incl 122m pink-green vesicular basalt lava and green Massive aphyric Andesitic-basaltic lava clasts.	Co(1-3) Cl(1)	Q(1) Co(1)	Py(1)					
120												
122												
124												
126				by 127m clasts to 10 cm diameter								

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PROJECT : _____

PROSPECT: I1 Zone

HOLE NO: Mac-28
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DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY: ROCK NAME	LITHOLOGY: DESCRIPTION	ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
128			Basalt lava breccia.	Pink-green vesicular basalt lava and massive feldspar-phyric Andesitic-basaltic lava fragments in a mottled light-dark green feldspar-phyric Matrix. Clasts from 0.5-30cm diameter.	Cl(1)	Q(1) Q+Co(2) Q+Co+Ep(1)	Py(1) Cpy(1)				132.4m Petrology 562694 Polymict basaltic lava breccia.	
130												
132												
134												
136												
138												
140												
142												
144												
146												
				146.5								
148			Andesitic lava breccia	irregularly shaped green-pink feldspar-phyric lava fragments in a light green-grey chert matrix. Matrix coarsens to fine lapilli grade down-hole	Si fd(1-2) } alteration of Clasts. Cl(2) }	Q+Co(2) Q(1)	No obvious mineralisation					
				149.5								
150			Polymict Andesitic Volcaniclastic	fine lapilli volcaniclastic coarsening to medium lapilli Volcaniclastic down-hole. Polymict with Andesitic, dacitic and Basaltic lava Clasts in a massive to weakly laminated matrix.	151 pyroluzite dendrites on broken surfaces.		Py(1-2)	149.3 fr. elongate // To S_1 = 40° to L.C.A. 149.4 S_1 = 30° to L.C.A. 149.7 bedding = 35° to L.C.A. 151 149.8 bedding = 40° to L.C.A. 152 broken Core.		149.85m Petrology 562695 Polymict felsic lapilli Volcaniclastic	
152												
154												
				155								
156			feldspar-phyric Andesitic lava.	green feldspar-phyric weakly brecciated andesitic lava with scattered pink ?dacitic lava fragments to 9cm diameter, but generally <2cm diameter.		Q+Co(1)						
158												
160					164.8-165.5 Co(3) all matrix. 165.9-166.5 Sise(2) Cl(1)						159.45m Petrology 562696 Andesitic to dacitic lapilli volcaniclastic	
162												
164												
166						Q+Co(2) Q(1)		166.1 fault = 1cm pug = 55° to L.C.A.				
168												

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HOLE NO : Mac-28

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DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY: ROCK NAME	LITHOLOGY: DESCRIPTION	ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
170–176			feldspar-phyric Andesitic lava.	Massive to weakly brecciated green-pink feldspar-phyric Andesitic lava. by 169.9m Dacitic lava fragments appear. fragments are angular. Minor Adlv interbeds.	Sifd. (1)	Q(1) Q+Co(1-2)	None obvious.	170.7 broken core 2-3cm = fault.				
176					Se(3) Si(1)							
177–205					Si(1) pat pk-cm. Sefd (1)			177.8 fault = 15-20° to ca. Puggy; 189.5 So = 35° to Lca. = bedding.; 199.1 broken core = fault				
205–208						Q+Co ± Se (2-3) Q(1) Q+Co+ Hmt(1)						
208–210						Q(1) Co(1) Q+Co+ Hmt (2)						

Depth scale: 170, 172, 174, 176, 178, 180, 182, 184, 186, 188, 190, 192, 194, 196, 198, 200, 202, 204, 206, 208, 210

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DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY: ROCK NAME	LITHOLOGY: DESCRIPTION	ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
212			feldspar-phyric Andesitic lava	Mottled light-dark green massive to brecciated feldspar-phyric andesite lava. minor pink rounded dacite lava fragments and green massive andesite lava clasts.	Si (1) Pot. fdSe (1) Mar pyrohsite on joints.	Q (1) Co (1) Q+Co+Hmt (2)	None obvious					
214						Q (2) Q+Co (3)	Py (1)					
216												
218												
220						Q (1-2) Co (1)	None obvious.					
222												
224												
226												
228						Q (1) Co + Ab (1-2) ; pink mineral = Ab?						
230								231 fault = 70° to LCA. Puggy + broken.				
232						Q (1) Co + Ab (2-3)						
234												
236						Q (1) Co (1-2)						
238												
240												
242												
244												
246												
248				249.3 Gradational contact to: mottled light-dark green massive feldspar-phyric andesite lava.	247.4 pot felse (1) alteration " SeSi (1) " minor lgt gn-yew Ep (1) replaces ferromagnesian phenocrysts?							
250				251.6 Andesitic lava breccia as above								
252												

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DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY: ROCK NAME	LITHOLOGY: DESCRIPTION	ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
254			feldspar-phyric Andesitic lavas.	Mottled light-dark green feldspar-phyric with chlorite altered ?ferromagnesian phenocrysts. Some possible irregular silica? carbonate filled vesicles. Feldspars are sericite-epidote altered. Where brecciated has a light green-grey lava matrix.	SeSi (1-2) fdSe (1)	Co (1) Qt+Co (1-2)	None obvious	253.6 fault = 40° to LCA. fcm pug. 254.3 fault = 40° to LCA. 254.5 fault = 20° to LCA.				
256												
258												
260												
262								262.6 fault = 15° to LCA.				
264								264 fault = 10° to LCA.				
266				appearance of massive Andesitic and dacitic lava fragments.				264.2 fault = 20° to LCA. 264.5 fault - broken + puggy.				
268				lithology appears more volcaniclastic like. from down-hole to ash volcaniclastic.				267.1 bedding = 30° to LCA (cav unrel.)				
				268.9				268.1 268.9 fault zone Pug + breccia at 10° to LCA.				
270			Andesitic lapilli volcaniclastic	green feldspar-phyric Andesitic volcaniclastic with Dacitic lava fragments.	SeSi (2) Cl (1) patchy.	Q (2) Qt+Co (1-2)						
272				272.6								
274				? feldspar-phyric andesitic lava with a band of dacitic lava fragments (274.6 - 274.8 m)							274.1 petrology 562697 feldspar phyric volcaniclastic.	
276				275.9	275.6 - 275.8 SaSi (3-4)							
278			feldspar-phyric Andesitic lavas.	Mottled light-dark green massive to weakly brecciated feldspar + chlorite altered ferromag.-phyric lava with minor Pink Dk. fragments and interbedded grey-green weakly laminated ash volcaniclastic or clast.	SeEp (1) Minor patches of grey mineral (?silfide ?oxide)	Co ± Ab (2) Q (1)		275.9 fault = 20° to LCA annotated by Co vn.				
280								278.5 bedding = 20° to LCA.				
282												
284												
286				ash volcaniclastic interbeds + Dacite fragments disappear								
288						Q (1) Co+Q+Ep (1-2)							
290												
292												
294												

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DIAMOND DRILL LOG

PROJECT : _____

PROSPECT : I1 Zone

HOLE NO : Mac-18
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DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY: ROCK NAME	LITHOLOGY: DESCRIPTION	ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
296			feldspar-phyric Andesitic lava	Massive to brecciated light-dark green feldspar- and altered ferromag. phyric Andesitic lava. Minor light green-pink Dacite and vesicular light pink Basalt fragments.	pat SeSi (1-2) SeEp(1)	Q (1) Q± trem (1-2) Q± trem+cl (1)	none obvious.					
298												
300						300 - 300.2 Q+trem+cl vn.						
302												
304												
306												
308				307 - 307.6 Volcaniclastic with grey laminae (ash volcaniclastic?) Minor lava fragments and light green, rounded devitrification structures.	SeSi(1) Ep (1)			307.3 bedding = 5° to CA				
310				Below 307.6m Andesitic lava has irregular silica filled vesicles, spherulitic patches and some fragments of holocrystalline andesitic lava. (? cognate xenoliths from magma chamber)							309.5 Petrology 562698	
312												
314						Q (1) Q+Ep (1) Co+Ab (1)		314.3 fault = 40° to CA. 2cm broken plg.				
316												
318												
320				319.7 - 319.9 fine grained ashy, weakly laminated inter-flow volcaniclastic with minor lava fragments and feldspar crystals.				320.5 fault = 55° to CA. annealed by veins.				
322						323.1 9cm Q+Co vn.		322.2 fault = 55° to CA. Annealed by veins.				
324					SeSi (1-2) pat.	Q (1-2) Q+Co (1)						
326												
328								327.5 - 327.8 fault zone. at 327.8 fault = 40° to CA. Heavy			327.8m Minor Cave-in	
330					Se(1) Si(2)	Q (2) Q+Co (2) Co (1)						
332												
334			Andesitic fine lapilli Volcaniclastic	333.1 Matrix supported; andesitic and minor Dacitic lava clasts in a fine lapilli-ash volcaniclastic matrix	332.8 - 333.1 SeSi(3)	332.8 - 333.1 Q+Co+Ep ± rp ± cpy (3)		334.7° fault = 55° to CA. annealed by veins.			333.8 Petrology 562801	
336			Andesite lava.	brecciated feldspar-pyroxene-phyric lava.	SeSi(1)	Q (1) Q+Co (1)	None obvious.					

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DIAMOND DRILL LOG

PROJEOT : _____

PROSPEOT: Nth. I, Zone

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OATE: 23-1-91

DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY: ROOK NAME	LITHOLOGY: DESORIPTION	ALTERATION	VEINING	MINERALISATION	STRUOTURE	WEATHERING	VISUAL LOS	REMARKS	DEPTH
338			Andesite lava.	Massive to weakly brecciated, green, feldspar + Pyroxene-phyric lava.	SeSi (1)	Q (1) Q+Co (1)	V. trace py on joint surfaces. + V. trace Cpy disseminated	341.4 bedding = 30° to c.a.				
340								341.5-341.7 fault zone Pug + rubble.				
341			341.4 342.4 Volcaniclastic	laminated ash volcaniclastic with Andesite fragments				342.4 bedding = 15° to c.a.				
344			Andesite lava	lava as above but with scattered yellow-green dacitic lava frags. Andesite lava patchily devitrified with cream coloured siliceous ovoids.	SeSi (1) pat.			345 fault-broken core.				
346												
348												
350						Co + Ab (1-3) Q (1) Q + Co + trem (1)						
352												
354					355.4 V. fine grained py (1)							
356							None obvious					
358												
360					SeSi (2)			359.5 broken core ? fault.				
362												
364												
366												
368												
370					Se (1) Mar pat. SeSi (2)	Q (1) Co (1)						
372												
374				375 large fragments of light grey-green Vesicular ? Basalt lava appear.								
376												
378												

PROJECT : _____

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DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY: ROCK NAME	LITHOLOGY: DESCRIPTION	ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
380			Andesite lava	light-dark green weakly brecciated feldspar-pyroxene-phyric lava. Pyroxenes ?Ep-Se altered. feldspars as single crystals or glomerocrysts.	Se (1)	Q (1)	None obvious					
382				- basalt clasts disappear	Mnr pat Sesi (2)	Co (1)						
384					383 8cm of Se (4) Ep (1) Sp (2) @ 55° to LCA.							
386							diss Sp + Cpy (0-1)					
388					387 Sesi Co (4) ± Ep (2) pat. @ 55° to LCA.	388.1-388.3 Q+Co+trem ± Sp (2-4)						
390					389.5 1cm Sesi (3)	388.3-388.5 Se (2) Q+Cl (1)						
392						392.6-392.8 Q+Co+trem+Sp (3)						
394					394.3-396.5 Co+Ep+Se+Sp (4) zone at 45° to LCA.	Q+Co (2) Q+Ep (2)	None obvious.					
396												
398												
400						Q (1) Q+Co (1)						
402												
404												
406												
408				407.9 Minor dacitic lava fragments	Se Si (1) Ep (1) ± pat Ep (2)	409-409.3 Q+Co+Cl (4)						
410												
412												
414												
416				417 lava begins to look polymict (polychromatic) with altered (SeEp) Andesite, fresh Andesite and dacitic lava fragments.		Q+Ep (2-3) some veins ± tr py. Q (1)		416.2 fault = 65° to LCA. 416.8 fault = 35° to LCA.				
418												
420				421 lava looks less polymict.				419.7 fault = 45° to LCA. Partially annealed.				

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DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY: ROCK NAME	LITHOLOGY: DESCRIPTION	ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
422			Andesite lava.	massive-brecciated mottled light-dark green feldspar-pyroxene (sect altered)-phyric lava with scattered pink-brown feldspar-phyric?dacite lava clasts, generally <1.5cm diameter. and minor holocrystalline andesitic fragments. (Cognate xenoliths?)	Se Si(1) Ep(1)	Q(1) Q+Co|Ep(1)	tr cpy (o-1) diss.					
424												
426												
428												
430						430.8-431 20cm qtz|calc|vn						
432												
434												
436				435.9-436.1 light green ash volcaniclastic with coarse, to 10cm, Andesite lava fragments.		Co(2-3) Q+Ep(2)	436.1-436.3 Py(1)					
438				438 Appearance of light pink-green massive, vesicular Basalt lava fragments in andesite lava. V. Minor Component.			diss Py(1)					
440						440.2 Q+Py vn. 440.4-440.5 Co(3-4)	V. trace py.	440.4-440.5 brecciated veined zone = fault.				
442												
444												
446			Andesitic lapilli Volcaniclastic	445.7 lithologies becomes matrix rich, virtually matrix supported, with c fine lapilli to rock grade Matrix (weakly laminated in parts). Andesite and light green chlorite spotted basaltic lava fragments.		Q+Co(1-2)	445.7-445.9 Py pent(2)	446.75 bedding = 25° to c.a.				
448												
450												
452												
456												
458												
460			460.5 Andesite lava.	brecciated green feldspar-pyroxene-phyric lava with vesicular basaltic lava clasts.	Si Cl(1-2)	Q+Ab(1) Co(1)						
462												
464			464.1 ?Andesitic breccia	dark green cpfyric lava, brecciated with light green mtx ← Contact Strongly Co vad.				464.0 fault = 65° to c.a. annealed by vn				

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PROSPECT: I₁ zone

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DEPTH	ROCK NAME	DESCRIPTION	ALTERATION	VEINING	MINERALISATION	STRUCTURE	REMARKS
to 465.5	?Andesitic breccia	as above	Sicl (1-2)	Q+Ab(1) Co(1)	V. trace Py.	-464.9 Sheared zone -465.5 fault = 50° to cca. pug+vein.	
465.5–468.1	Andesitic-Dacitic lava	Massive pink-green siliceous lava.	Scl (2)	Co+Ep (2-3) Py(3) Q+Cl (2)	Py(3) diss.	468.1 fault = 60° to cca.	
468.1–480.7	Andesite lava	Siliceous lava to 469m then 'normal' feldspar-phyric lava with scattered rounded pink Dacite fragments.	Si(1-2)	Se-Ep (1) Q(1) Cl(1)	Py(1-2) diss. No obvious mineralization -478.4 - 478.5 Pat. Py(2)		
480.7–490	Polymict Andesitic lapilli volcaniclastic	finely brecciated polymict, with Andesite, dacite and green chert fragments. Also some chloritic "fragments". Andesite frags to 5cm diameter, other clast types generally <0.7cm diameter. Gradational contact.		-480.7 Q+Cpy vn.	Py(1-2) diss.		-481.2 Petrology SG2802 Dacitic lapilli volcaniclastic
490–498.4	Andesite lava.	feldspar-phyric, brecciated lava with obvious devitrification textures and dacitic lava frags. -494.6 green vesicular Andesitic-Basaltic frags. Appear		Q(1) Co±Ep (2)			
498.4–	Andesitic-dacitic lava.	Massive green weakly feldspar-phyric lava. Minor vesicles. Matrix hosts green-grey devitrification ovoids. Vesicles, Co+Hmt filled, more common below 502.5m	503.7–504.3 Cl py (3) Sicl (1)	Q(1) Co(1) Q+py(1-2) Co(1-2) Cl(1)	None obvious Py pat. (1-3) Py (0-1) diss.	502.5 Vesicles elongate at 30° to cca. ?bedding.	-502.4 Petrology SG2803 glassy feldspar-phyric andesitic-Dacitic lava.

Depth scale: 466, 468, 470, 472, 474, 476, 478, 480, 482, 484, 486, 488, 490, 492, 494, 496, 498, 500, 502, 504, 506

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508			Andesitic - basaltic lava.	green, vesicular, massive poorly feldspar-phyric lava with mottled (? devitrified) groundmass. Vesicles, Cal Hmt. filled. Minor zones of weak brecciation.	Si Cl (1)	Co (1-2) Cl (1)	Py (0-1) diss	510.9 fault: 20° to LCA. breccia & chloritic Mtx.				
510												
512												
514												
516												
518												
520												
522												
524												
526												
528					528.5 - 529.6 Si py (2)	Co (2)		528.1 fault = 70° to LCA. annealed by Cal vn.				
530						Co (3)						
532				532.1 appearance of light brown clastic fragments		529.5 Py vn.						
534							534.3 - 534.4 Py (c) pat + diss.					
536								535.3 - 536.1 fault subparallel to LCA. Py + broken core.				
538												
540					Se (3) Cl (2)	Co (1)	540.2 Py (1-3) pat.					
542					Si Cl (1)		542.6 Py (0-1)	542.2 fault = 70° to LCA. Puggy.				
544			544 Polymict Andesitic lava breccia	Dacitic and vesicular andesitic - basaltic lava fragments in mottled light - dark green Andesitic, weakly feldspar-phyric and devitrified, groundmass. Some fragments have weakly pyritic rims.		Co (1-2)					545.7 Petrology SG2804 Polymict Andesitic lava breccia.	
546												
548												

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DIAMOND DRILL LOG

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DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY: ROCK NAME	LITHOLOGY: DESCRIPTION	ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
550			Polymict Andesitic lava breccia	fragments of vesicular Andesitic-basaltic lava and occasional dacitic lava in a weakly feldspar-phyric, partially devitrified matrix.	Si Cl (1)	Co (1-2) Se (1)	Py (0-1)					
552												
554												
556												
558												
560												
562												
				563.2								
564			Andesitic lava	Massive green vesicular lava with light green ? devitrification spots in groundmass.		Co (3)						
566				566.7		Co (2) Si (1-2)		566 fault = 15° to LCA. Puggy.				
568			Andesitic lava breccia	green massive to brecciated vesicular, weakly feldspar-phyric lava.				566.7 fault = 10-15° to LCA. brecciated + cemented by Co vn.				
570												
572												
574												
576												
578												
580								580.1 fault = sub parallel to LCA. Puggy + veined.				
582												
584												
586												
588					Si Cl (1-2)							
				589.5								
590			Andesitic - basaltic lava.	Massive to weakly brecciated; green, weakly Vesicular feldspar ± pyroxene - phyric lava.								

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DIAMOND DRILL LOG

PROJECT : _____

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DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY: ROCK NAME	LITHOLOGY: DESCRIPTION	ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
592			Andesitic-basaltic lava.	light-dark green massive weakly feldspar-pyroxene-phyric lava with patches of rounded vesicles. Mac white ?leucoxene flecks.	Sicl (1) Go (1)	Co(2)	Py (0-1)					
594												
596												
598												
600												
602						-602.4-602.6 Co+Py (1)						
604						Py(1) (cm) Co(3)						
606						Co(2)						
608						Co(2) Py(1)	Py spt + dis (1-2)					
610												
612			613.		Se Si(1) Cl(2)			-611.4 fault zone. -613.1 Sheared + veined at 613.0 minor fault 15° to L.c.a.				
614			Basalt lava breccia	light green, brecciated, chlorite spotted, weakly vesicular (irregularly shaped, elongate at 25° to LCA.) Minor zones of hydraulic brecciation.		Co(2-3)						
616						Co(1-2)	None obvious					
618												
620												
622			623.2	Abrupt Conformable Contact:							621.75 Petrology SG2805	
624			Basalt lava	Massive light green Basalt lava. Vesicular.	Se Si(1)	Q(1) Go(1) Co+Se(2)	Py veinlets (1-2)				hyaloclastite derived from an Augite-phyric basalt.	
626												
628												
630												
632			632.4	lava breccia as for 613-623.2m	Sec(1-2) Si(1)	Co(1-2)	Py (1)					

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PROSPECT: I, Zone

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DEPTH	DRILL RUNS	CORE LOSS	ROCK NAME	DESCRIPTION	ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
			Basalt lava 634.2 Breccia	as for 613-623.2	SeCl (1-2) Si(1)	Co(1-2)	Py(1)					
634–660			Andesitic - Basaltic lava.	Massive, green, weakly vesicular lava with ?leucoxene flecks and minor feldspar-phenocrysts. Some holocrystalline andesitic fragments. (Cognate Xenoliths?). Vesicles sparse, irregularly shaped and Co ± Hmt ± cl. filled. Minor intercalated volcaniclastic sediment	SeCl(1)	Si(1) Co(1-2) Co+Se(1-2)	Py (0-1) diss.					
661.3			Brecciated Andesitic-basaltic lava.	as for 613-623.2 m.			Py (2) diss+vn.					
666.5			Massive Andesitic-basaltic lava	Massive green feldspar-phyric, patchily vesicular lava. Common white leucoxene flecks. lava looks weakly siliceous	SeCl (1) Si(1) Pat. Se(2-3)	Co(1-2) Si(1)	Py (1-2)					

Depth scale: 634, 636, 638, 640, 642, 644, 646, 648, 650, 652, 654, 656, 658, 660, 662, 664, 666, 668, 670, 672, 674

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DIAMOND DRILL LOG

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DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY: ROCK NAME	LITHOLOGY: DESCRIPTION	ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
676			Andesite-basalt lava.	Massive lava as above	Sec(1) Si(1) pat Se(2-3)	Co(1-2) Si(1)	Py(Co-1)					
680			680.3									
682			Andesite-basaltic lava breccia	Monomict breccia of lava as described above. Some variably altered clasts.	Se Si(1) Cl(2)							
684						Si(2-3) Co(1)	no obv min					
686						Si(1) Co(1)						
688			689									
690			Andesitic-basaltic lava.	Massive green chlorite spotted lava with white - cream leucocene flecks. Minor feldspar-phenocrysts.	Sec(1)	Si(1) Co(1-2)	Py(1)					
692					Se Si(1-2) Cl(2)	Si(1) Co±Cl(1-2)		691.9-692.1 fault zone annealed by veining.				
694												
696												
698												
700							none obvious.					
702												
704												
706												
708												
710					Sec(2-3) incr down-hole	Co(2) Ti(2)	Py(1-2)					
712												
714			715		Se(3) Si(2) Cl(1)		Py(2)					
716			Highly altered lava.	brecciated grey-green lava with patches of vesicles.	Se(3) Si(2) Cl(1) Fu(1) ↓ Dies out.	Co(2)	Py diss-tion (4) ↓ Dies out	715 fault = 70° to Lcg. Puggy.				

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DIAMOND DRILL LOG

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DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY: ROCK NAME	LITHOLOGY: DESCRIPTION	ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
719			Highly altered lava	brecciated grey-green lava with patches of vesicles moderate "Quellite" texture	Se(3) Si(2) Cl(1) Fu(1)	Co(2)	Py(4) ↓ Decreases.					
720			Andesite lava	grey-green massive lava. Minor cl spots + altered feldspar phenocrysts. leucocene flecks noted. Minor vesicles	Si(1) SeCl(1-2)		Py(1)					
722.3				Abrupt Contact				722.3 Contact = 25° to CA.				
724			Strongly altered Andesitic lava.	Massive to brecciated green-grey lava. Some vesicles obvious.	SeSi(2-3) Cl(2) Co(1)	Py(3) Co(2) Qc(1)	disc py (3-4) V. Minor Cpy in Co veins.					
726												
728				Relatively unaltered interval	SeCl(2)							
730												
732					Sesi(3) Cl(2) Co(1)							
734												
736												
738												
738.4			Volcaniclastic	polymict, medium lapilli, ± clayey Se(3) altered clasts			Py(4)					
738.9			Altered lava				Py(3-4)					
740				Abrupt Contact				740. 15 contact = 25° to CA				
742			Andesite lava	green, vesicular, chlorite spotted lava with minor sericitised feldspar-phenocrysts. Vesicles quite irregularly shaped	Sec1(2)	Co(2) Si(1)	Py(1)					
744												
746												
748												
750												
751.6			Highly altered lava	brecciated light-green altered lava. no obvious phenocrysts or vesicles	SeSi(3) Cl(2) Co(1)	Co(2) Py(3)	Py(3) disc.					
752												
753.9			Andesite lava.	Massive green chlorite spotted lava. minor altered feldspar-phenocrysts and white-cream leucocene flecks. Appears weakly siliceous	Sec1(1)	Py(1) Co(1)	Py(1)				757.1 Petrology SGZDOG glassy Andesite lava.	
754												
756												
758												

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DIAMOND DRILL LOG

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DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY: ROCK NAME	LITHOLOGY: DESCRIPTION	ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
760			Andesite lava	Massive green, chloritic spotted & leucoxene spotted lava. Minor secl altered feldspar-phenocrysts. Minor zones of breccia with sericitic-matrix matrix eg 766-766.2m.	Secl(1) Si(1)	Co(1-2)	py(1) diss					
768			769									
770			Strongly altered lava	green-grey 'Quartzite' like lava breccia	Se(2-3) Sicl(1-2)		Py(1-2)					
772			772.1 Andesite lava.	Massive green weakly siliceous. leucoxene spotted lava. No obvious feldspar-phenocrysts.	Se(3) Sicl(2) Secl(2) Sicl(1-2)	Co(1-2) py(3) Co(1-2) Se(1)	Py(3-4) Py(1)	772.1 fault = 65° to CA. annealed by veins.				
774			776.9	Abrupt irregular Contact	776.6-777.9 Se Cl(3)							
776			Strongly altered lava	green-grey brecciated 'Quartzite' type lithology Crackle vein type texture.	Se(4) Sicl(2-3) Fe Co(1)	Co(1) Py(2-4)	Py(4) Py(2-3)	776.3 Contact = 45° to CA. 780.9 Contact = 55° to CA.				
778							Py(4)					
780							Py(2-3)					
782												
784							Py(4) Py(2-3)	784.8 bedding = 50° to CA				
786												
788			787.3 Altered polymict Andesitic volcaniclastic	Medium lapilli grade volcaniclastic with lava frags in highly altered and pyritic matrix								
790			790.4				Py(3-4)				789.25 Petrology 562807 Polymict andesitic lava breccia	
792			Strongly altered lava	as for 776.9 - 787.3.								
794												
796												
798												
800					Se(4) Sicl(2-3) Fe(2-3) Co(1)							

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DIAMOND DRILL LOG

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DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY: ROCK NAME	LITHOLOGY: DESCRIPTION	ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
802			Altered lava 801.1	grey-green Quellite type lithology.	Se(4) Sicl(2-3) Fu(2) Co(1)		Py(3-4)	801.1 Contact: 80° to L.C.A. prob a fault. 802.2 bedding = 10-15° to L.C.A.				
804			Andesitic lava	dark green, massive aphyric, weakly siliceous lava with leucocene flecks. interbedded with minor polymict andesitic lapilli volcaniclastic.	Sicl (1) Ie (2)	Co(2) fine Se(2-3) anastamosing veins.	py(1) diss					
806												
808												
810											809.5 Petrology 562808 Glassy andesitic lava.	
812			812.65	Abrupt Contact	812.55-812.65 Se Sicl (2)							
814			Altered lava	green-grey brecciated 'Quellite'. Primary lithology was probably a lava as above.	Se(4) Sicl(2) Co(1)	Co(1) Py(2-4)	Py(3-4)	812.65 Contact = 45° to L.C.A.				
816												
818					818.5 Fu(2) start appear ↓							
820												
822			821.4	Abrupt Contact								
824			Andesite lava	Massive green lava. Chlorite spots, Leucocene flecks and minor fecl altered feldspar Phenocrysts.	Se(2) Sicl(1)	Co(2) 825.9-826.1 Co+Cl vn.	Py(1-2)	821.4 Contact = 45° to L.C.A.				
826												
828			827.7	Abrupt Contact	Se inter down-hole			827.7 Contact = 30° to L.C.A.				
830			Strongly altered lava	light grey-green vesicular 'quellite' alternate with zones of slightly less altered lava.	Se (3-4) Sicl (2) py1 fu spt (1-2) Co(1)	Co (1-2) Py (3)	Py (3-4)					
832												
834												
836												
838												
840												
842												

PROJECT : _____

PROSPECT: I1 Zone

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DIAMOND DRILL LOG

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DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY: ROCK NAME	LITHOLOGY: DESCRIPTION	ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
844			Altered lava.	grey-green massive-brecciated 'quellite' type lithology. Vesicular in part.	Se (3-4) Si Cl (2) Co (1) Fu Sat (1-2)	Co (1-2) Py (3)	Py (3-4)					
846												
848												
850												
852												
854												
856												
858												
860												
862												
864												
866												
868												
870					870.3 Fu(3) Sat.			869.9 fault = 60° to LCA.				
872					870.7			870.6 fault = 65° to LCA. Ruggy				
874												
876												
878												
880												
882								881.1 fault = 55° to LCA. Fault zone. Sheared & small brittle faults. 882.4				
884												

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DIAMOND DRILL LOG

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DEPTH	DRILL RUNS	DORE LOSS	LITHOLOGY: ROCK NAME	LITHOLOGY: DESCRIPTION	ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
886			Altered lava	grey-green brecciated lava with ?polymit intervals. 'Quellite' like.	Se Si (3) Cl (1) Co (1)	Py (3) Co (1-2)	Py (3-4)	885.8 f = 55° to CA. 886.7 f = 45° to CA.				
888			888.3					887.4				
			Andesite lava 889.8	dark green. Vesicular (irregularly shaped) fecl spotted. leucoxene spotted. lava.	Se Si (1-2)			Fault zone - broken core				
890			891.1 Altered lava	light green 'Quellite' with Se spots after Fp.	Se Si (3) Fu (1)			889.8 fault = 80° to CA.				
892			Andesite lava	dark green lava as for 888.3 – 889.8 m.	Se Si (2)	Co + Cl (1-2) Si (1)	Py (1-2)					
894												
896												
898								898.5 fault = 55° to CA. Annealed by Co vn.				
900			899.6 Altered lava	grey - lt grn green massive to brecciated 'Quellite' like lava.	Se (3) Si (2) Cl (1)	Py (3) Co (1-2)	Py (3)					
902												
904												
906								905.6 fault = 55° to CA. annealed by Co vn.				
908			907.5 E.O.H.									
910												