

Aberfoyle Resources Limited

EXPLORATION DIVISION

DIAMOND DRILL LOG

PROJECT : Mackintosh

PROSPECT : Portal

HOLE NO : MAC-19

PAGE : 1 of 23

LCCCEG : A.M.N.

DATE : 24-8-88

DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY		ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
			ROCK NAME	DESCRIPTION								
3.0				NO CORE - TRICONE								
4.0			Rhyolitic lapilli Volcaniclastic.	grey-green feldspar + quartz phric volcaniclastics with shale fragments and minor shale interbeds, up to 5cm thick. minor feldspar phric microtephalite "frame".		Q+Co + fr.c. (1-2)		6.3 bedding = 65° to CA.			Tricone HQ	
10.0			Grey-black shale	laminated grey-black shale with minor fine sandstone-mudstone interbeds. - 13.7 3cm thick grey-green ash volcaniclastic interbed - minor grey fine grained sandstone beds, < 1.5cm thick. Grading indicates whole facies - 19.9 minor ash volcaniclastic interbeds. - 25.5 medium to fine grained lithiclastic, finer up hole		Co + Q (1)		12.8 fault = 35° to CA. 15.8 fault = 55° to CA. 16.5 bedding = 55° to CA. 20.2 microjoint = 50° to CA. 23.8 bedding = 60° to CA.				
27.5			Rhyolitic ? Intrusive.	green to khaki, massive, weakly deformed, aphyric intrusive or lava. Colour variable - green to pink.	Si (2-3)	Q+Co (1-2)	26.5 cpy part. (1)	31.5 flow banding = 50° to CA.				
34.0						54.3 Q+Co + fr.c. va.						

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DATE : 24-8-88

DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY		ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
			ROCK NAME	DESCRIPTION								
44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84			Rhyolitic ? Intrusive.			Qtz cl						44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84

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PROJECT : Mackintosh

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DATE : 29-7-88

DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY		ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
			ROCK NAME	DESCRIPTION								
86			Rhyolitic ? Intrusive.									
92				94.0 Pink alteration around desulfidation texture. 94.7 - pervasive pink (Si + Fe) alteration.				91.6 possible flow banding = 35° to CA.				
96			laminated Black shale	Irregular, abrupt Contact laminated black shale with minor fine grained grey mica sandstone interbeds. lithinacke beds to 20 cm thick.		Q+Co (2) Q+Co + tr Co ₂ VA.		95.3 bedding = 55° to CA. 95.4 fault = 65° to CA. 96.9 fault = 55° to CA. 97.6 bedding = 60° to CA. 99.2 bedding = 35° to CA. 99.4 fault = 60° to CA. 100.5 fault = 25° to CA.			Contact at 95.2 m looks intrusive, possibly into web sediments.	
102				102.8 10 cm thick green, sericitic ash volcanics 103.7 10cm thick ash volcanics				101.7 fault zone - broken, puggy 102.8 pyritic				
106				106.25 load casts imbr. uphole facing. - shale fragment in sandstone bed.			106.8 pot py (1-2).					
110				111.1 gy-green ash volcanics, coarse to 111.2 medium lapilli volcanics by 111.6. blade laminated shale interbedded with 20-25 cm thick sandstone (Lithinacke) beds. 115.2 thin and load casts suggest a downhole facing. 118.8 facing uphole - based on flame structures + grading.		Q+Co + tr P ₂ (1-2). Co+Cl (1). Q+Co + tr Cl (1-2)		107.4 fault zone - sheared + brecciated 109.5 bedding = 65° to CA.				
114							111.8 py (1) 111.1	111.8 Contact = 70° to CA. offset by faults at 45° to CA.				
118								115.3 bedding = 30° to CA. 117 bedding = 25° to CA. 119.2 bedding = 65° to CA.				
122								122.7 bedding = 55° to CA. 123.4 brecciated + sheared fault zone. 125.6 bedding = 15° to CA.				
126				125 interbeds of green ash volcanics up to 10cm thick. 126.5		Q+Co (2) 123.4 Q+Co (2-3)						

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PROJECT : Mackintosh

PROSPECT : Portal

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DATE : 9-9-88

DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY		ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	RE MARKS	DEPTH
			ROCK NAME	DESCRIPTION								
128			Shale	Weakly laminated black shale		117 QtzCO(1)						
130			130.1	128.2 10cm of green quartz + feldspar phric lapilli Volcaniclastic gradings up hole into ash volcanics laminated grey-black shale ± minor fine sandstone								
132			131.3	ash volcanoclastic fine grey ash volcanoclastic.	SiSe (1)	QtzCO ± tr Cpy (2)						
134			Shale	black-grey laminated shale with minor interbedded fine sandstone.								
136			136.4	Rhyolitic? intrusive. massive pink-brown, aphyric lava or intrusive.	Si (S)	QtzCO ± tr Cpy (2-3). -B5.4 -U7.7 Feldspar QtzCO.Vn.						
140				Weak dearticulation textures.		QtzCO ± tr Cl. Vn cut by later Qtz Cpy (1) Vn.						
142				obvious quartz phenocrysts.								
144				Sericitic stringers suggest a eutaxitic fabric								
146			Rhyolitic lapilli Volcaniclastic	146.8 Shale fragments. Coarse quartz phenocrysts.		QtzCO ± tr Cpy (1)						
148				Gradational Contact.								
150				green fine lapilli volcanoclastic with grey chert and black shale fragments, 2-0.6 cm diameter, Quartz, up to 0.6 cm dia., and feldspar crystal rich. Sparse brucitic, quartz phre "frame".								
152												
154												
156												
158												
160												
162												
164												
166				165.5	Quartz and feldspar phric chlorite "frame" common. Sericitic "frame" common.							
168				obvious silicified orange-pink rhyolitic lava fragments.		167.3 QtzCO (1) (4). 168.6						

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PROJECT : Machinash

PROSPECT : Portal

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DATE : 15-9-88

DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY		ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
			ROCK NAME	DESCRIPTION								
232				interbedded grey-black shale, grey fine grained sandstone and medium to coarse grained lithicwacke		Q+Co (1-2)						
234				233.4 Dominant fine sandstone with minor shale and lithicwacke.				214.0 load coats => whole facing.				
236				235.5 shale rests in a lithicwacke unit.				217.4 bedding = 75° to CA.				
238												
240												
242				221 Approximately 10% lithicwacke 50% shale 60% fine mica sandstone				223.3 bedding = 65° to CA. 223.8 fault = 55° to CA.				
244												
246												
248				227 Approx. 40% lithicwacke 40% fine mica sandstone 20% shale				227.3 bedding = 65° to CA.				
250												
252												
254				233 Zone of disrupted + slumped bedding.		Q+Co (1-2)						
256				233.3 disappearance of lithicwacke, 50% shale 50% fine sandstone				233.9 microfaults = 45-55° to CA.				
258				237 dominant black shale				239 bedding = 70° to CA.				
260							239.2 Pt. (1-2) elongate parallel to S0.					
262												
264				241 Medium to coarse grained lithicwacke with shale fragments to 2cm diameter.								
266				242.7 contact irregular with sediment deformation.		243.4 Q+Co + Cp4 (1)		244.2 intense microfaulting 245.2 bedding = 60° to CA. load coats => whole facing			microfaulting at 50-25° to CA. Spaced at 0.5-1cm.	
268				lithicwacke interbedded with shale and fine mica sandstone.								
270						248 Q+Co (2-3)						
272						249.2 Q+Co + Pt Cp4 (1)						

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PROSPECT : Postal

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DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY		ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
			ROCK NAME	DESCRIPTION								
386			Rhyolitic lava.									
390												
392				↑ Gradual colour change to khaki ↓								
394												
396												
398												
400												
402												
404												
406												
408												
410				↑ Gradual colour change - khaki to pink ↓	Jeldspar phenocrysts Sericitised.							
412												
414												
416												
418												
420												

391.1
391.4 fault zone.

407.4 fault zone.

413.3 fault zone.

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DATE : 24-8-88

DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY		ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
			ROCK NAME	DESCRIPTION								
506			Basalt lava.	Massive to brecciated green vesicular lava. brecciation, probably autobrecciation, with patches of brown-pink silica-feldspar alteration upto 0.4m long. Often a grey cherty matrix to breccias. Minor late brecciation with a carbonate rich matrix. Vesicles well rounded to irregular in shape.		Q (2-5) Q+Co (1-2)						
508												
510												
512												
514												
516												
518												
520												
522												
524												
526												
528												
530					Pink-brown Si-Sd? alteration associated ± Se (1-2) altm.							
532						528-9 Q+Co + tr gn. vn.						
534					Weak Sesi selvages around veins.							
536						524 Q+Co + tr ps + tr cng vn.						
538												
540												
542												
544												
546												

dis py (1-2) in cherty matrix.

511.5 fault = 40' to ch.
531.9 fault zone
Fault = 40' to ch.

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PROJECT : Mackintosh

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DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY		ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
			ROCK NAME	DESCRIPTION								
540			Basalt lava.									
552												
554												
556												
558												
560												
562												
564												
566												
568												
570												
572												
574												
576												
578												
580												
582												
584												
586												
588												

557
559
Brecciated with a Carbonate matrix.

560.1 Qtz + Pl + Pink Co.
(Vein 10cm wide).

Qtz + Co (1-2)

575.1 fault = 70' to ca.

582.2 Qtz + Sp (2) + Vn (2).

582.2 - 582.5 Pbc (1-2)

Qtz + Co (1-2)

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DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY		ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
			ROCK NAME	DESCRIPTION								
590			Basalt lava.	lt green - dark green veination, massive to brecciated lava.				fault = 25% CA.				
592												
594												
596					594.7 basalt light brown-pink or green. Se(1) Si(1-2)	595 Q+Co + tr py + tr Cpy (1-3)						
598												
600					600.6							
602												
604					602.6-602.9 Se(3)							
606												
608												
610												
612						Q+Co + pink Co (1-2)						
614												
616												
618												
620				green massive lava with minor chlorite spots and patchy brecciation with a carbonate rich matrix. hydrothermal mineral 619.2-620.2 = qtz chert matrix.	619.2 Si(1) X(1) 620.2	Q+Co (1-2) Q+Co + tr cl. (1)						
622												
624												
626												
628						627.0 Q+Co + cl (3)					627.0 fault = 70% CA, brecciated + PUGGY.	
630						630 Co (white + pink var) + Se (1-2)						

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PROJECT : Machinbush
PROSPECT : Parbat

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DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY		ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH										
			ROCK NAME	DESCRIPTION																		
884			Andesite lava.	Massive to weakly brecciated green lava. Poorly vesicular with scattered altered feldspar phenocrysts. Partially altered.	Pat. SiF ₂ (2-3)	Q + Co (1-2)					886.3 Petrology 430761											
886																						
888																						
890																						
892																						
894																						
896																						
898																						
900																						
902																						
904																						
906																						
908																						
910																						
912																						
914																						
916																						
918																						
920																						
922																						
924																						

Pat. SiF₂ (2-3)

Se (1-2) Q + Co (1-2)
Co + Hmt (1-2)

893.7 Hmt on fracture surfaces.

893.7 fault - broken core

900.5 fault = 35° to CH.

Pat SiF₂ (2-3)

Q + Co (1-2)

Q + Co (1-2)

922.3 fault = 60° to CH.

923.1 Co + Cpg + Py (2)

