ABERFOYLE **DIAMOND DRILL LOG** **HOLE Nº** C70 Page Nº 1

Feature Bedding, Foliation, Fragment (size & shape), Shearing, Fault, Vein (c carbonate, q quartz)

Mineralization Trace 1-5% Common 5-15% Abundant 15-60% Massive >60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG (TRACE / COMMON / ABUNDANT / MASSIVE)	DEPTH m	MINERALIZATION
0.0		Grey to lt. grey green tuffaceous shale Highly weathered interval of tuffaceous shale locally interbedded with f.g. volcanic arenite. Bedding is approx. 20° to c.A. Core is extremely broken and locally puggy.			
0.0					
.7	5			5	Py rare
.3					
.8					
	10 ≈10.2			10	
.8		Cream to lt. grey green f.g. volc. arenite Highly weathered interval of f.g. tuffaceous sediment. A massive highly sericitic rock. Core is extremely broken and locally puggy			
.8	15			15	
	16.2				
.9	17.0	Grey green tuffaceous mudstone. Poorly defined interval of v.f.g. tuffaceous rock.			
		Cream to lt. grey green f.g. volc. arenite. A generally massive but locally bedded arenite with rare pelite bands of tuffaceous? mudstone. Bedding at low angle to c.A. Core highly broken and locally puggy.			
.7					
.9	20			20	
.9					
.6	25			25	

Feature Bedding, Foliation, Fragment (size & shape), Shearing, Fault, Vein, F, c carbonate, q quartz

Mineralization Trace 1-5%, Common 5-15%, Abundant 15-60%, Massive > 60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
1.5	30.3	Med grey to dk. grey shale (tuffaceous) A gen. massive intesval of weakly cleaved rock with local volc. arenite interbeds < 30cm. Bedding & cleavage gen // at low to moderate angle to c.A.							
1.2									
1.2									
.8	30							30	
1.3									
	33.0	FAULT ZONE Broken core & pug. unknown angle to c.A., possibly 50-60°.						34.2	
1.5	35		CAVITY					35	
	35.7	off white Limestone massive stylolitic limestone. Puggy upper contact with fault. Possible soln cavity above.						35.7	
3.0	37.2	Lt. grey bedded mudstone An extremely well bedded interval w. a locally well developed layer // fissility. Bedding 35-40° to c.A.							
	40							40	
1.9	40.8	FAULT - fug - 15° to c.A. Dk. grey to black slate with thin interbeds of lt. grey f.g. quartzite. FAULT - BROKEN CORE - ?° to c.A.	F F					42.2	
3.1	43.3	FAULT ZONE Broken core & pug ?° to c.A.							
	43.7	Generally an interval of uncontorted dk. grey to black slate w. finely interlaminated lt. grey							
	45	FAULT - Broken core ?° to c.A.	F					45	
.6		Siltstone to f.g. quartzite. Locally the rock may grade to conglomeratic slate consisting of black carbonaceous slate w. rafts & fragments to 5cm (av. 1cm) of quartzite as above; fragments						45.2	
3.0		FAULT - Slickensides 40° to c.A.	F					48.1	
		making up to 50% by vol. Bedding is gen. constant & uncontorted.							
	50							50	

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DIAMOND DRILL LOG

HOLE Nº G70 Page Nº 3

Feature Bedding, Foliation, Fragment (size & shape), Shearing, Fault, Vein (c carbonate, q quartz)

Mineralization Trace 1-5%, Common 5-15%, Abundant 15-60%, Massive > 60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	DEPTH m	MINERALIZATION
3.0		S1/S0 - 45m - 25° to c.A. 50 - 40° 55 - 40° 60 - 10° 65 - 40° 70 - 45° 75 -			
3.0	55	A weak to well developed layer // cleavage (S_1) is present. Best development is in the interbedded slate & quartzite.		55	Py rare as py. clasts in cong. black slate.
3.0					
3.0	60			60	
3.0				61.8	1 cm py 70 qtz vein 45° to c.A.
					Py trace as veinlet
				63.3	Py 20 veinlets assoc. w. qtz.
				63.65	Py trace as veinlet.
				64.1	Py 10-15 vein & f.g. to c.g.
3.0	64.3	Lt. grey slate. A weakly bedded but well cleaved rock. S_1 45° to c.A. & // to S_0. Rock is locally weakly pyritic.		64.4	Py 2-3 (10) f.g.
	65			65.5	Py rare
				65.7	
	65.8	Interbedded lt. grey & black slate. Finely interlam. slates.		66.1	Py 5 (10) vein & f.g. (bedded)
	66.2	Slumped cream mudstone - Cream mudstone with wisps & interbeds of grey mudstone.			
	66.8	Lt. grey to med. grey slate locally w. interbeds of black slate.			Py rare
		Bulk of interval is poorly bedded med. grey slate. Local finely interbedded lt. to dk. slates occur. These gen. show evidence of slumping.		67.7	5 cm py 50 qtz vein 40° to c.A.
3.0				68.3	3 cm py 90 qtz vein 35° to c.A.
				68.6	10 cm py 30 vein.
		Bedding // to cleavage 45-60° to c.A.			Py rare
	70			70	
	70.5	Interbedded (contorted) lt. grey to black slates. Finely interlaminated & slumped.		70.5	Py 1-2 f.g. (bedded)
1.8	71.2			71.2	
	71.5	FAULT ZONE Broken core & pug 45°? to c.A.		71.7	Py 1-2 f.g. to c.g.
1.0	72.9				Py rare.
3.0		Lt. grey slate massive to poorly bedded but well cleaved rock. S_1/S_0 45° to c.A.			
	74.8				
	75			75	

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DIAMOND DRILL LOG

HOLE Nº 970 Page Nº 4

Feature Bedding, Foliation, Fragment size & shape; Shearing, Fault, Vein; F, c carbonate, q quartz

Mineralization Trace 1-5% Common 5-15% Abundant 15-60% Massive >60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG (TRACE / COMMON / ABUNDANT / MASSIVE)	DEPTH m	MINERALIZATION
	75.4	Interbedded med. grey to black slate – finely interlaminated rock.		75.4	Py rare
	75.9	Rafted & cong. cream mudstone (pyritic) s. sed def of mudstone		75.9	Py 20 f.g. to c.g. rep. cream mudst. frags & veins.
1.8		Interbedded lt. grey to dk. grey to black slate Gen. finely interlaminated slates often showing s. sed. contortions and local slumping. S1/S0 gen. 45-50° to c.A.		76.6 77.0	Py rare. 3cm py 70 vein Py 5 f.g. to blob & vein
1.2	79.2	FAULT ZONE Broken core & pug. 30° to c.A			Py rare
1.0	79.8 80			80	
2.0		FAULT – 45° to c.A. – Broken core & pug		81.9	
1.7	82.4	Interbedded lt. grey slate, lt. grey to green grey mudstone to siltstone and lt. grey f.g. (micaceous) quartzite		82.7 82.9 83.1 83.3	Py 10 f.g. & veinlets. 2cm py 80 vein (cav. 20%) 40° c.A 2cm py 90 cm 10 vein 40° c.A. 1cm cm vein 40° c.A.
.7	84.0	FAULT ZONE Fault evidenced by pug within a zone of fractured rock. Shearing appears to be // to cleavage. ie & 45° to c.A.			
.8	85			85	Py rare.
.8					
1.4	87.5				
1.5		FAULT – pug 35° to c.A. FAULT – pug 45° to c.A.	F F	88.8 89.1	
1.5	90			90	
2.8	92.1	FAULT ZONE Broken core with minor pug. Indications => zone & 30° to c.A.			
1.9	93.8 95	FAULT – pug – 30° to c.A.	F	94.7 95	
	95.2	FAULT ZONE Broken core & pug. Individual surfaces => 30° to c.A.			
.9	96.6				
.9	97.4	FAULT ZONE Broken core & minor pug Individual surfaces => 35-40° to c.A.			
1.7	98.5 100	FAULT – ?° to c.A. Broken core.	F	99.4 100	

ABERFOYLE **DIAMOND DRILL LOG** **HOLE Nº** 970 Page Nº 5

Feature Bedding, Foliation, Fragment (size & shape), Shearing, Fault, Vein, F, c carbonate, q quartz

Mineralization Trace 1-5%, Common 5-15%, Abundant 15-60%, Massive > 60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	DEPTH m	MINERALIZATION
3.0		A gen. finely interlaminated rock consisting of alternations of, 1) Lt. grey to off white f.g. massive to bedded locally weakly micaceous quartzite from 1mm to 1m thick. (av. 1-2cm) 2) Lt. grey to green gr Bly gen. massive to locally bedded mudstone to siltstone. Fine grained pelitic weakly cleaved rock (often at angle to bedding). Thin beds 1mm. to 1cm but gen >20cm and 3) Lt. grey to grey brown slate bands gen 2-3cm wide interbedded w 1) & 2). So is constant at 45° to c.A.			Py rare
3.0	105		Py	103.4	5cm py 60 sid vein. 45° c.A.
3.0				105	Py rare
3.0			Py	107.4	Py 5-10 veinlet. Sp 1-2 veinlet. Both assoc. w. sid. av 40° to c.A.
				107.85	
3.0	110			110	
3.0					Py rare
3.0	115			115	
3.0					
3.0	120		Py	120	2cm py 50 sid vein 45° to c.A.
3.0	123.0	← 25cm Interbedded lt. & dk grey slate.			Py rare.
	125			125	

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DIAMOND DRILL LOG

HOLE Nº 970 Page Nº 6

Feature Bedding, Foliation, Fragment (size & shape), Shearing, Fault, Vein; c carbonate, q quartz

Mineralization Trace 1-5%, Common 5-15%, Abundant 15-60%, Massive > 60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	DEPTH m	MINERALIZATION
		Lithology - as above			
3.0	126.0	Lt. grey f.g. (micaceous) quartzite A massive to well bedded rock. Gen. highly siliceous w. common qtz veinlets. Bedding is constant around 40-45° to c.A.			Py rare
3.0			Py	129.3 129.6	2cm py 90 sid vei 50° to c.A.
	130			130	
			Py	130.5	5cm py 70 sid/ser vei 80° to c.A. Py 1-2 veinlets gen 45-80° to c.A.
3.0				131.5	
			Py	132.3	5cm py 90 sid vein 40° to c.A.
3.0	135	FAULT - Broken core ?° to c.A.	F	134.5 135	Py rare.
		FAULT - Broken core 0°? to c.A.	F	135.9	
3.0		FAULT - Pug? 30-40°? to c.A.	F	136.3	
3.0	140 140.1	FAULT ZONE Broken core & pug. Individual surfaces ⇒ 40-45° to c.A.		140	
3.0	142.5	FAULT - Broken core ?° c.A.	F F	142.5 144.0	Py 2-3(5) veinlet stockwork trending 35-45° to c.A.
	145	FAULT - Broken core ?° c.A. 5cm q vein 35° to c.A.	q	145.0 145.1	
3.0		30cm q veins 30° to c.A.	q	147.1	
3.0	150	FAULT - Broken core 45° to c.A.	F	149.7 150	

TRACE | COMMON | ABUNDANT | MASSIVE

Feature Bedding, Foliation, Fragment (size & shape), Shearing, Fault, Vein, F, c carbonate, q quartz

Mineralization Trace 1-5%, Common 5-15%, Abundant 15-60%, Massive > 60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
	151.2	Lithology - as above - Lt. grey f.g. (micaceous) quartzite. END OF HOLE							

151.2
155
160
165
170
175