ABERFOYLE

DIAMOND DRILL LOG

HOLE Nº G65 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		No core – non coring bit used.							
HW HQ	3·2								
1·0		med grey shale – gen. a massive rock bedding only indicated by rare lighter grey tuffaceous shale interbeds. So at ≈5m is 0-10° to c.A. Rock has good bedding plane fissility. Core v. badly broken.							Py rare
·8	5							5	
	6·1								
1·4		Lt. grey green feldspathic volcanic arenite A massive to well bedded tuffaceous rock. Gen. puggy. f.g. to m.g. tuffaceous material So where evident a low ∠ c.A eg 8m – 0° c.A.							
	7·7								
1·0		med. grey to black shale massive to bedded interval, bedding gen. at v. low angle to c.A. 15-0°. Good bedding plane fissility. Minor beds of cream grey tuffaceous material to 1-2 cm. Core is very broken and locally puggy.							
1·4	10							10	
·7									
·8	13·2							13·6	5cm Py 30 to vein 25° to c.A.
1·3		Lt. grey to black tuffaceous shales The colour of the rock reflects the % of volcanically derived material. The lighter the colour the more tuffaceous the rock. Bulk of the interval consists of a very well bedded tuffaceous shale but intervals of volcanic arenite w. rafted fragments of black shale up to 1m thick occur. Thin beds of black carbonaceous shale occur. All combinations between the above end members occur with gradational to sharp boundaries. So is between 20 to 40° to c.A. Core is very broken & locally puggy.							
1·2	15							15	
1·2									Py rare.
1·3									
1·2	20							20	
·5									
1·1	22·4	cream grey to dk. grey shale. A very well bedded interval, So 15-30° to c.A. Core very broken & locally puggy.							
	25							25	

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
1·0		Lithology - as above - cream grey to dk. grey shale.						25·8	
1·4	26·3	40 cm py, sp, sid vein 40° to c.A.						26·2	
1·0		Lt. grey green feldspathic volcanic arenite. w occ'l thin interbeds of lt. grey to black shale							
1·3		Bulk of interval is a highly tuffaceous f.g. to m.g. massive arenite? Bedding is only evident by the presence of shale bands aw 3-4 cm which occur sporadically through the interval. Bedding is at a v. low angle to c.A. 0-10°. Core is very broken & locally puggy.							
·6	30	Tuffaceous bands locally contain irregular clasts of grey shale.						30	
·9									
·4									
1·4									
1·0	35							35	
	35·8							36·1	
·3		Lt. grey to black tuffaceous shale w. thin interbeds of grey f'spath. volc. arenite.						36·5	
1·0		Highly tuffaceous shales in general. Well bedded at 20-30° to c.A. show much evidence of s. sed. def. such as slumping. The more highly tuffaceous intervals contain float elongate clasts of mudstone // to bedding.							Py rare
·7									
·9	40							40	
·7									
·3		20cm sid. vein ?° to c.A.						42·1 42·3	
1·4									
·4		1 cm c. vein 10° to c.A.						44·0	
1·5	45							45	
1·0									
	50							50	

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
·4									
·8									
1·3	55							55	
1·5									
·7									
1·5	58·6	Lt. grey green feldspathic volc. arenite. A massive rock f.g. to m.g.							
	60							60	
·9	60·5 / 60·8	Med. grey shale - puggy rock.							
	61·2	Lt. grey green feldspathic volc. arenite - as above							
2·2		Lt. grey to dk. grey (interbedded) (weakly tuffaceous) shale. A large part of the interval consists of featureless pug. Rock which is discernable consists of well bedded interlaminated shale with a low bedding to core axis angle. So gen. is 0°-15° to c.A.							
·5	65							65	
1·0									
1·2									
·5	70							70	
1·4									
1·0									
2·3	75							75	

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
		Lithology - as above -
·5	76·3	med grey feldspathic volc. arenite w. clasts of black shale. massive tuffaceous matrix w. angular clasts 1mm to >5cm. P.O. ⇒ bedding ≈20° c.A.
1·6	77·7	Lt. grey to med. grey mudstone ± shale.
1·5		A sequence of monotonous grey pelitic rocks. Bedding is often obscured by their uniform colouration but where evident the fissility of the bulk of the interval is ∥ to bedding.
2·3	80	The only portion of the interval which does not have an fissility are the pug intervals where the rock is expressing weathering.
1·5		Core is broken at puggy over the entire interval.
		Thin c. veins <·5cm or 1-2mm are locally common; these are at a low angle to c.A. (10-20°).
1·0		Bedding measurements are.
	85	82m - 50° c.A.
		89m - 40°
1·4		94m - 10°
1·0		
3·0	90	
1·1		
1·3		
2·0	95	
·5		
·5		
1·5	98·8	Lt. grey to dk. grey mudstone to tuffaceous shale, siltstone ± volc. arenite.
	100	

VISUAL LOG | TRACE | COMMON | ABUNDANT | MASSIVE

DEPTH m

MINERALIZATION

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
1.7		A gen. well bedded interval of interbedded contrasting rock types in beds av. 1- cm Bedding is constant in orientation at 25-30° to c.A.							
.5		local development of med. grey tuffaceous arenite w. angular black mudstone fragments.							
1.4	105	Core is very broken to puggy						105	
.4									
1.8									
	109.5								
1.5	110	Lt. grey to dk. grey mudstone shale & siltstone w. rare lt. grey volc. arenite. Core is very broken & puggy. Interval does not have a major volc. arenite component. Rock is dominantly a med. grey to dk. grey weakly to strongly bedded mudstone to siltstone which tends toward a shale locally where a weak to strong layer parallel cleavage is present. Bedding where recognizable is at a low angle to c.A.						110	
.7		120 m - 20° to c.A.							
	115	125m - 30°						115	
1.4		128m - 30°							
.9		130 m - 25							
.5		135m - 15°							
	120	140 m - 35°.						120	
1.4									
1.2									
.7								124.0 124.2	
1.4	125							125	

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
		Lithology - as above - lt. grey to dk. grey mudstone to siltstone & shale w. rare lt. grey volc. arenite.							
.5									
.5									
.6									
.4	130							130	Py rare
.4									
1.0	135							135	
.7									
.8								138.3	
1.0									Py <1 (1) v.f.g. to rare blebs & oxidized veinlets
1.2	140							140	
1.6								140.5	Py 3-5 v.f.g. dissem. & thin siderite veinlets.
1.0								142.3	
1.2	144.6	GROUND NO LONGER PUGGY BUT STILL BROKEN							Py <1 f.g. to c.g. & thin sid veinlets.
	145	Pink to cream siderite veining & local carbonate alteration becomes common. Discontinuous veins & blebs of siderite w. local patches of next. carb within the shale.						145	Py as above.
1.7	146.3							146.3	
HQ NQ 1.3		2cm sid vein 30° c.a. From 146.4 pyrite replaces siderite as the vein material. Lithology as above. minor siderite still present.						147.1	Py 20-30 veins av .5-1cm (stockwork) & f.g. diss. & aggreg.
								148.7	
3.0	150							150	Py rare

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
		5cm q vein 60° c.A.		150.5	Py 20-30 veins & blebs unoriented.
		151.9 FAULT - 10cm fault breccia ? ° to c.A.		151.1	Py 10 veins av. .5cm // bedding 30° c.A. minor f.g. diss.
		Lithology - as above -		151.6	Py 80 c.g. in vein tr. cPy.
2.7				152.0	Py 5-10 veins unoriented.
				152.4	Py 25-40 (70) f.g. to c.g. & blebs (replacing calc. siltstone) & veins 0-30° to c.A.
2.7	155			154.7 155 155.2 155.4	Py 1-2 vei. Py 70 f.g. to c.g.
		← GROUND IMPROVES			Py 2-5 (20) veins gen 20-30° to c.A.
2.0				158.7	
				159.05	Py 80 Lge vein 45°? to c.A.
1.0	160			159.5 160	Py 2-5 vein. Py 20-30 veins 5-60° c.A. & f.g. diss.
		FAULT - 10cm silicic. fault breccia in massive py. 45° to c.A.		160.3 160.5	Py 60-80 f.g. to c.g. (brecciated) tr. Cm. fabric 45° c.A.
3.0				160.9	Py 10-15 (25) vein Tr pyo. veins, diss & blebs Tr Aspy as f.g. aggreg & veins
	164.0				
3.0	165	Dk. grey mudstone to siltstone (calcareous) w. rare lt. grey green f.g. tuff laminae or clasts.		164.7 165	Py 1-5 (15) f.g. & veins to 2cm gen 45° to c.A.
		164 m marks the gradual incoming of a volcanic component in an otherwise unchanged dark mudstone to siltstone.			Pyo. 1-5 f.g. to c.g & rare veins 35°-45° to c.A.
3.0		The volume of this tuffaceous component increases toward the base of the interval such that from 173 - 175.5 clasts of volc. material are a major component.			
	170			170	
3.0				170.8	Py 20-25 vein & f.g. to c.g. veins 20-25° to c.A. Blebs of py bleeding out from veins.
		171.8 - 1cm Plumite vein 50° to c.A.	Fl.		
3.0				172.15	
	175			175	

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
1.9	175.5	Grey green f.g. tuff. w. interbeds rafts & frag. of black mudstone. A highly tuffaceous weakly bedded interval w. a sed. component.				Py 1-2 veins
1.1	177.4	FAULT - c vein 45° to c.A. 1cm sid. vein 45° to c.A. Black silicic. cong. mudstone Grey siltst. & tuff frag.			177.4 177.7	Py as above
3.0	178.1	Grey green f.g. tuff. w. rafts > frag. of lt. grey to dk. grey mudstone. Ang. sed. clasts in a massive f.g. tuff. so. possibly defined by p.o. of clasts at 10-15° c.A.				Py as above
	179.3	Dk. grey to black (carbonaceous) mudstone to siltstone w interbeds, rafts & fragments of lt. grey green f.g. volc. arenite.				Py as above.
3.0	180	A bedded interval of mudstone to siltstone with a variable amount of f.g. tuff. either as conformable interbeds to .5m or more commonly as rafts & frag. These can be very irregular in shape. The interval shows evidence of much s. sed. def. in the form of slumping of the tuffaceous & sed. & rafting of the tuff. component. So varies between 15 & 45° to c.A. but averages 25°.			180	
3.0					181.9	Py 5-7 veins & f.g. to c.g.
					182.9	Py 2-3 f.g. to blebs & minor vein
3.0	185				184.75 185	Py 30 f.g. to c.g. euhedral xtals. Py 1-2 f.g. & veinlets low & to c.A.
3.0					186.7 187.3	Py 15-20 (50) f.g. & vein 25° to c.A.
3.0	190				190	Py 2-3 (15) veins assoc. w sid. gen. low angle to c.A.
3.0	192.0	Lt. grey green f.g. volc. arenite. w minor grey mudstone. A tuffaceous interval consisting of massive to (bedded) f.g. to v.f.g. volc. arenite w. minor thin mdstone bands <1cm at a low angle to c.A. ie < 20°. The interval shows localized s. sed. rafting & brecciation & an overall brecciation by an anastomosing network of thin (< 2 mm.) dk. grey veinlets of carbonaceous? material			192.5	Py <1 (5) veins.
3.0	195				195	
3.0						
	200				200	

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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
3·0	202·05	Lithology – as above.		202·05	Py as above (<1)
3·0	205	Dk. grey to black mudstone to shale w. frag. rafts & interbeds of lt. grey green f.g. volc. arenite. Gen. a very well bedded interval consisting of a dk. (tuffaceous) mudstone – shale matrix w. interbeds to 30 cm. & lenticular fragments & rafts of lt. grey green f.g. tuffaceous material & rare possible lava frag. Bedding is uncontorted and between 20 & 45° c.A. 207 m – 20° to c.A. 213 – 45° " " 220 – 35° " " Tuffaceous material forms 40 % of the rock on av.		202·8 203·3 204·3 205 205·2	Py 40 c.g. to blebs & vein (network) Py 80 c.g. & vein network. Py 25-30 c.g. & vein Py 10-15 f.g. to c.g. & vein
3·0					Py 1-2 (10) f.g. to c.g. but mainly vein assoc w. sid. & qtz. Tr. pyo as for py.
3·0	210			210	
3·0					
3·0	215			215	
3·0				217·8	Py 10-15 f.g. assoc. w. qtz. & sid. veins gen 15-20° to c.A. Also weakly rep. tuffaceous frag.
3·0	220			219·6 220	Tr. pyo as for py. not assoc w. py.
3·0					Py 1-2 veis assoc. w. qtz.
				221·8	Py 10-15 f.g. to c.g. blebs & veins assoc. w. qtz. Tr pyo. 222·7 – 15 cm 10% cassiterite assoc. w. qtz vein
	223·5	FAULT – 5 mm c. healed f. breccia 30° to c.A.		222·8 223·4	
		Gen. massive to locally bedded f.g. to v.f.g. volcanic arenite. ! 223·7 – Fault breccia 60° c.A. – 5mm c. vein.		223·7	Pyo < 1 (2-3) veins assoc w. qtz.
	225			225	

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

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CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE / COMMON / ABUNDANT / MASSIVE	DEPTH m	MINERALIZATION
3.0		A tuffaceous interval of altered locally weakly replaced & veined rock. Intense sericite, carbonate & minor chlorite? alteration.				Py as above <1 (2-3) Py rare
3.0	226.7	Dk. grey to black bedded mudstone. Bedding 0-10° to c.A.			226.7 226.9	Py 20-30 vein assoc w. qtz. Cass. 1-2 f.g. 25° to c/A. Py 1-2 veins 20° to c.A.
3.0	227.7	F.g. to c.g. carbonate alteration locally shows relict textures such as bedding. Bedding where present varies between 30 & 45° to c.A. F.g. pyrrhotite locally weakly replaces the tuff. Also py or pyo. veins assoc. w. qtz. (locally forming a stockwork)			227.7	Py 3-5 (10) f.g. diss (assoc. w pyo.) Pyo 5-15 (20) f.g. diss & veinlets & blebs (assoc.) w. qtz.
3.0	230				230	
3.0		233.4 FAULT - c healed breccia 60° c.A.	F		232.85 233.2 233.6 234.5	Py 20 veins assoc. w qtz. Tr f.g. cassit. assoc. w. qtz. Py 5-10 f.g. to c.g. & veins Tr pyo. Py 1-3 (7) f.g. & minor veinlet 0-45° c.A.
3.0	235				235	Py & Pyo. V. rare.
3.0	236.1	orange highly altered volc. arenite - intense carbonate? alteration (puggy & sheared near fault.).				
	237.1 237.35	FAULT ZONE 28cm c. healed fault breccia. 45° to c.A.			237.1 237.35 237.45	Py 5 replacing tuff. frag. in breccia. Py 10 vein
	238.2	Replaced & veined volc. arenite. - c.g. py. to 20% as masses & veins. Lithology - tuff as above.			238.2	Py 60-80 c.g. (euhedral) & blebs replacing tuff.
3.0	240				239.5 240	Py 1 (3) f.g. & rare veinlet Py 5 (10) veinlets assoc. w qtz. gen low & to c.A. (stockworks). Also dissem.
3.0	242.9				242.9	242.6 - 10 cm cassit 2-5% rep.? tuff locally assoc. w py. blebs.
		Dk. grey to black mudstone w. interbeds of grey green v.f.g. volc. arenite. Interval shows (intense) s. sed def. such as slumping. Mudstone is well bedded but contorted. bedding 0-60° (av. 45°) to c.A. No cleavage.			243.5	Py 15 veinlet 0-25° to c.A. & bleb. ('silicification').
3.0	245				245	Py 5-10 (20) f.g. to c.g. anhedral to euhedral grains & veins (assoc.) w cream siderite. Veins to 1cm. gen 30° 35° to c.A.
					246.8	Py 1 f.g. diss & rare vein
3.0	248.95	Grey green sericitic & sideritic gen. massive f.g. tuff locally veined & weakly replaced by pyrite & pyrrhotite	Py		248.95	Py 2-5 f.g. diss. & aggreg. Pyo 2-5 f.g. to c.g. diss. & aggreg.
	250	Gen. massive (bedded) f.g. tuffaceous rock acc. w. rafts & irreg. fragments of brown			250.0	

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
		bedded mudstone (.5-4cm long). 249.2-249.6 mottled cream to olive green siderite? alteration assoc w. diss. pyrrhotite.			Py & Pyo trace f.g. Py 5 f.g. dissem. & 20 veins assoc. w. qtz 40° to c.A. Py & Pyo rare.
3.0	250.95	Interbedded dk. green to lt. grey green massive tuff & slumped & def. bedded tuff to tuffaceous shale weakly to extensively veined & replaced by Py & Pyo. (tourmalinised)? Tuffaceous interval showing more sed. influence than previous. Bedded material shows slumping & (rafting). Rounded to angular frag. of brown bedded mudstone are more common but still localised. Patchy but extensive silicification.		250.45 250.95 251.1 251.45 252.0	Py 30 f.g. to c.g. diss. & aggreg. & locally replacing tourmalinized rock. Tr. f.g. cream. cassiterite. Py 15-20 f.g. to c.g. dissem. anhedral grains. rare veins <.5cm @ 45° c.A. Tr. Pyo.
	253.4	Cream brown to dk. grey interbedded mudstone grading downwards to slumped & broken mudstone locally w. a grey green f.g. tuff matrix. S_0 - 40° c.A. No silicification.		253.3 253.7	Py 50 f.g. to c.g. diss & aggreg. of anhedral grains. replacing tourmalinised rock. Pyo 10 as f.g. in pyo. rich intervals up to 10 cm wide. Approx. 60 % sulphide. Tr. vivianite assoc. w. cavities. 252.6-10cm 5% cas. - rare otherwise
3.0	254.5	Lt. grey green massive tuff (or lava?)			Py 7-10 f.g. to c.g. & tr. pyo. f.g. to blebs diss.
	255 255.2	Lt. grey to black variably silicified interbedded (slumped) mudstone w. rare v.f.g. tuffaceous beds veined & locally weakly replaced by Py. Bedded mudstone interval showing s. sed slumping & (rafting) Silicification is patchy but increase to highly silicified at base. Bedding (50) 35° to c.A. Replacement min. increases w. silicification to base.		255 255.2	Py. rare Pyo. (trace) f.g. Py 15-25 (50) v.f.g. to c.g. anhedral diss. Blebs & masses replacing green tourmalinised sed., & rare thin veinlets @ 45° c.A. <.4cm ga assoc w. qtz. Pyo. rare.
3.0	257.5	Pyrite - qtz - tourmaline? rock. A massive featureless rock 75% anhedral Py (1mm to 1cm, av. .5cm) assoc. w. 10% qtz. patches blebs & specks & 10% lt. green tourmaline? as for qtz. & 5% anhedral aspy (1mm to 1cm, av 3mm). Minish cassiterite locally observable.		257.5	Py 75 anhedral f.g. to c.g. masses. Aspy 5 anhedral f.g. to c.g. aggreg. Tr. v.f.g. cassiterite as aggreg. & diss. Tr. vivianite & pyromorphite.
	258.65	Pyrrhotite - qtz - Py. rock A massive to locally banded rock. Pyrrhotite (70%) v. rapidly becomes the dominant sulphide occ. as intergrown masses w. qtz. 10-20 (60) as inclusions av. 2-3mm & patches & blebs. Py 10 occurs as aggreg. of anhedral c.g. Tr. cream siderite as blebs av. 2-3mm. 259.9 - 10cm. 80% lt. green tourmaline? w. 10% f.g. Pyo. & 10% c.g. Py.		258.65 259.6	Pyo 70 as a featureless interconnected mass. Py 5 (20) as aggreg. of anhed. c.g.
	259.95 260	Qtz - pyrite - sid. rock. A massive rock. Qtz 70% as white to grey cryptocrystalline silica w. py. diss. & aggreg. & 10% flecks & blebs of orange siderite. upper boundary 80° c.A. gradational lower. Rare qtz veins <1cm 40° c.A.		259.95 260	Pyo 40 as a fine interconnected matrix. Py 20 as anhedral f.g. to c.g. aggreg. Py 15 as anhedral f.g. to c.g. diss. & small aggreg. Tr. Aspy assoc. w. Py 80 Pyo. 70 as fine interconnected matrix.
3.0	260.65	Pyrrhotite - qtz rock. A fine complexely intergrown matrix of Pyo. 70% containing circular to irregular inclusions & blebs of qtz. <30% locally on a meso-scale the rock has a pronounced banding due to the P.O. of the qtz & Pyo. matrices.		260.65	
	261.5	Extensively replaced tourmalinised mudstone? Fg. Py & fine intergrain. Pyo matrix w. relict patches of green tour. mudstone. Massive rock. sheet cutets may & boundary of fissure lode interporating wall rock.		261.5	Py 40 f.g. to c.g. diss. (anhedral). Pyo 20-25 granulose integ. masses. Cassiterite 1-2 %? as v.f.g. diss & aggreg.
	262.1	Lt. grey to med grey massive to (bedded) mudstone Interval shows common soft sed. slumping & fracturing. Rock is highly silicified to 263.1 where silic. becomes patchy. local weak replacement by Py.		263.05	Py 15-20 (40) f.g. to c.g. & blebs & veinlets assoc. w. qtz. Tr. flourite. Py 3-10 f.g. to c.g & blebs & less common veinlets 35° c.A. Tr. flourite
3.0	264.45	Cream to grey to black bedded (cong.) mudstone		264.45	
	265	Highly s. sed. deformed bedded to massive to cong. interval Clasts of mudstone & a grey unidentifiable silicified & pyritized rock from 1mm to >3cm form up to 15% of the rock. Youngs from x bedding at 265.3m ⇒ up hole.		265	Py 2-3 (5) f.g. to c.g. & rare vens to <1 cm.
2.9	266.95	FAULT ZONE qtz. healed breccia w. frag. of both rock types.		266.95	Py 10-15 vein assoc. w. qtz & (flourite)
	267.4	Local flourite veining		267.75	Py rare
.5	267.75	Lt. grey highly silicified well bedded to massive mudstone to siltstone bedding 40-60° to c.A. Description - see below.		268.1 268.35	Py 25-30 fg to c.g. rep.?
1.5	269.7			269.3 269.7	Py 2-3 (10) f.g. to c.g. w. local veinlets 45° to c.A. Py 30-40 c.g. replacement?
	270	Lt. grey well bedded to massive siltstone to f.g. micaceous quartzite. Only very local silicification in this interval. Basically a homogeneous interval with a weak layer parallel cleavage. Bedding 276.5 - 30° c.A. 279.5 - 50° c.A.		270	Py <1 as f.g.
1.0				271.0	Py 5-10 veins & blebs.
3.0				271.4 272.2 272.5	Py 15-20 f.g. to c.g. blebs & veins 45-50° to c.A. Py 2-3 vein stockwork assoc. w. sid. Py <1 (2-3) f.g. & veinlets
	273.5	FAULT ZONE Pug. & broken core. ?° to c.A.			
	274.0				
	275			275	

ABERFOYLE

DIAMOND DRILL LOG

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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
3.0									Py as above, <1 (2-3) f.g. ✕ veinlet.
3.0	280							278.1 278.35 280	25cm Py ? c.g. in qtz vein Py <1 (2-3) f.g. ✕ veinlet.
2.0	280.75	FAULT – Pug 30° to c.A. Lt. grey to dk. grey highly silicified bedded to massive siltstone to quartzite. From 280.75 the rock type above becomes extremely siliceous. The silicification is associated with "spotted pyrite". Py spots crudely circular in shape av. 2mm in diameter are disseminated throughout the interval. These are assoc. with py blebs & an increase in veining Bedding 283m – 50° 287.5 – 55°	F					280.6 280.95	Py 3-5 (10) f.g. to c.g. "spots", blebs & veins gen 45-50° to c.A.
1.0									
.2									
2.8	285							285	
3.0									
3.0	290							290 290.4	Py 10-15 as above
	292.5	END OF HOLE.						292.1	Py 1-2 as above
	295							295	
	300							300	