ABERFOYLE

DRILL HOLE RECORD

978027

Location QUEEN HILL Property QUEEN HILL District ZEEHAN Bearing (M) 283·55° Hole No G71

Commenced 26/11/80 Completed 12/1/81 % Recovery 97% Grid bearing (M) −11·25° Date 17-2-81

Objective QUEEN HILL ORE RESERVE. Core size HQ to 114m, NQ to 358·2m. Logged S. RICHARDSON

SECTION 2980 Co-ordinates S361639·76 N 360867·68 Dip 56·59° Alt./R.L. 217·58

SURVEY DATA				GRAPH DERIVED DATA			CALCULATED CO-ORDINATES			REMARKS
DEPTH	DIP	BEARING(M)	INSTRUMENT TYPE	DEPTH	DIP	BEARING(M)	NORTHING	EASTING	ALTITUDE	
9·5M	56°	282°	EASTMAN	0	56·6	283·5	5361639·76	360867·68	217·58	
18·5M	55°	280·5°	"	25	55·75	281·25				NO DRILLING PROBLEMS.
28M	54°	281·5°	"	50	55·0	279·75				
31M	53·75°	281·5°	"	75	55·0	279·25				9m HW LEFT TO PROTECT TOP
				100	55·0	279·75				OF HOLE.
				125	54·5	280·75				
				150	54·0	281·75				NO SIGNIFICANT INTERSECTION
9M	56·25°	in rods	"	175	54·0	281·75				
15·5M	56°	in rods	"	200	54·0	281·25				
28·5M	55·5°	in rods	"	225	53·25	281·25				
46M	55·5°	280·5°	"	250	51·5	282·75				
70M	55°	280°	"	275	51·0	284·75				
103M	55°	280°	"	300	51·0	285·75				
136M	54·5°	281·5°	"	325	48·75	284·75				
166m	54°	282°	"	350	48·5	282·25				
199m	54°	281·5°	"							
229M	53°	281·5°	"							
262M	50·75°	284°	"							
304m	48°	285·5°	"							
331m	48°	284°	"							
349m	48·5°	282°	"							

ABERFOYLE — DIAMOND DRILL LOG — HOLE №

Feature

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

Mineralization 978028

Trace	1–5%
Common	5–15%
Abundant	15–60%
Massive	> 60%

CORE REC'D	DEPTH m	GEOLOGY	DEPTH m	MINERALIZATION
·4		Lt. grey siltstone to slate w. thin interbeds of lt. grey f.g. micaceous quartzite. A well bedded rock on a mesoscopic scale but massive siltstone may be common locally. Bedding defined by fluctuations bet. siltstone & quartzite lithologies with thin interbeds 1mm to 10c.m. of f.g. micaceous quartzite to 50% of the rock at a gen. constant angle, 45° to c.A. A good layer // cleavage is present the rock locally grading to a slate.		
HW/HQ ·2				Py rare
·2				
·8	5		5	
2·3	5·7	← Very broken (puggy) ground to here. Some quartzite bands have def. less competently than the surrounding silts and show tension gashes ⊥ to the cleavage. Soft sed def. is only weak with minor rafting. Thin cream sid. veinlets av. 1-2 mm are gen low angle to c.A. and locally common.		
3·0				
3·0	10		10	
		(sid.)	10·7	5cm py 20, sp 1-2, Cn trace sid vein 55° to c.A.
		FAULT – Broken core ?° to c.A.	12·1	
1·3	14·1	FAULT ZONE Broken core & pug with no indication of orientation.		
1·0	15		15	
	16·0			Py rare
3·0				
	19·2	Lt. grey f.g. quartzite w. thin wisps and interbeds of lt. grey shale. Locally well bedded interval bedding evident by rare slate interbeds to 2cm. Quartzite is f.g., gen. massive & saccaroidal in texture. Bedding 40° to c.A. cleavage v. weak in massive quartzite – 45°? to c.A.		
3·0	20		20	
			20·9	10cm py 20, Cn 1-2 vein stockwork av. 50° to c.A.
3·0	23·7			
	25		25	

ABERFOYLE

DIAMOND DRILL LOG

HOLE Nº 971

Feature

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

Mineralization

978029

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		Lt. grey bedded to massive siltstone to slate w. thin interbeds of lt. grey f.g. quartzite. Pelitic rock is the most common in this interval although locally quartzite may make up 60% of the rock. Interval is massive to well bedded. Bedding is best developed in finely interlaminated areas. A gen. constant angle of 45-50° to c.A.							
3.0	30	FAULT - Pug 40° to c.A.	F					30 30.2	
3.0									
3.0	35							35	
1.3									
	38.8	FAULT - Broken core ?° to c.A.	F					39.1	
.9	40	Lt. grey f.g. (micaceous) quartzite with rare thin interbeds of lt. grey slate.						40	
3.0		A very well bedded interval defined by wisps & interbeds to 20cm of lt. grey slate. Bedding // cleavage 45-50° to c.A. Quartzite is highly siliceous & locally veined by qtz.	q					40.5	5cm q. vein 60° to c.A.
3.0	45		q					43.2 43.8	q veins common.
	47.1							45	
3.0		Lt. to Dk. grey bedded to massive siltstone An interval of gen. uniform pelitic rock. Bedding is vaguely present through the interval but locally is very well developed. 50° to c.A. A weak to very weak layer // cleavage is present.							
	50							50	

ABERFOYLE

DIAMOND DRILL LOG

HOLE Nº 971 Page Nº 3

978030

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		Lithology – as above – Lt to dk. grey massive to bedded siltstone.				
3.0	53.1	Lt. grey to med grey well bedded f.g. silty quartzite. An interval of transition between units above and below. Bedding defined by varia. in silt content and is constant 45° to c.A. Mote quartzose bands may be rich in spotted carbonate. A weak to well developed (in silts) layer // cleavage.			55	Py rare
3.0	55					
3.0						
3.0	59.4	off white to lt. grey to dk. grey f.g. to m.g. (micaceous) quartzite. A highly siliceous rock. Bedding may be well developed, weak or absent.			60	
2.7	62.0	FAULT ZONE A broad zone of fracturing. Broken core, pug, veining & soln. cavities are common. Individual surfaces indicate the zone is shallow to moderate to c.A.				
3.1	65				65	Py rare.
3.1						
1.7	70				70	
.6					72.0	Py 15-20 vein stockwork av. 40° to c.A.
.1					73.2	
1.4	74.7				75	

ABERFOYLE

DIAMOND DRILL LOG

HOLE N

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%

978031

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
3.0		Rock has a saccaroidal texture and may be locally weakly micaceous. Cleavage is layer II and is at best only moderately developed in the more well bedded intervals. Carbonate as f.g. cream brown siderite may be locally common. Siderite also occurs as thin unoriented veinlets.							Py rare
3.1	79.6 80	FAULT ZONE Broken core, pug and soln cavities in a broad zone. Individual surfaces ⇒ 30°? to c.A.						80	
1.9									
1.0	84.8 85							85	
3.0		Often, irregular silky wisps and interbeds define bedding. S.Sed. def. is virtually absent; only local slumping. So - 78m - 50° 83m - 46° 85m - 50° 90m - 50° 95m - 55° 100m - 55°. Qtz. veining is rare.							
3.0	90							90	
3.0	92.2	FAULT ZONE Broken core, local pug and graphitic surfaces in broad fracture zone. Individual surfaces ⇒ 20-45° to c.A.							Py rare.
3.0	95							95	
3.0	97.7								
	100							100	

ABERFOYLE

DIAMOND DRILL LOG

HOLE Nº 971 Page Nº 5

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

Mineralization 978032

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		Lithology - as above - white to dk. grey f.g. to m.g. (micaceous) quartzite.							
2.8		FAULT - Pug @ 25° to c.A. FAULT - Broken core, ?° to c.A	F					104.0 104.2	
	105							105	Py rare
	105.4	FAULT ZONE Broken core & pug ?° to c.A.							
	105.8								
3.0									
3.1	110	FAULT - pug 10° to c.A.	F					110 110.5	
	111.6	FAULT - Pug 30° to c.A.	F					111.6	
2.9		QS Interbedded dk. grey slate and lt. grey f.g. micaceous quartzite. A very well laminated interval. Only local slumping. Unit is transitional between the quartzite above and the highly contorted QS below. Both the quartzite and slate are micaceous. Bedding is constant between 45 and 50° to c.A. A good layer II cleavage.							
HQ NQ 1.2	115							115	Ay rare.
3.0									
3.0	120							120	
	120.7	FAULT - Pug 40° to c.A.	F					120.6	
		Dk. grey to black slate w. interbeds, rafts and fragments of lt. grey f.g. (micaceous) quartzite. QS Rock varies between 1) Dk. grey to black carbonaceous conglomeratic slate. A slate matrix cont. fragments & rafts of lt. grey (micaceous) f.g. quartzite from 1mm to poss. >20cm. Fragments are angular to rounded							
3.0									
	125							125	

ABERFOYLE

DIAMOND DRILL

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%

978033

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	DEPTH m	MINERALIZATION
3·0		FAULT – Pug – 40° to c.A. and often aligned with long axes // to the cleavage which itself is often contorted. Fragments may make up to 50% by vol.		125·2	Py rare.
1·8		2) At the other extreme is a well laminated interbedded dk. grey to black		127·0	5cm Py 90 sid vein 45° to c.A.
	128·8	FAULT ZONE Broken core, pug & vein py. 50° to c.A.		128·8	Py 1-2 veinlet.
1·2	129·6				
	130	QS as above but tuff no longer a component.		130 130·2 130·4	Py 40 vein 55-60° to c.A. Py 5-10 veinlets gen 60° to c.A.
2·7	131·7 132·0	FAULT ZONE Broken core & pug 45° to c.A.		131·7	
3·0	135	So/S1 – 130 m – 50° to c.A. 135 m – 45° to c.A. 140 m – 60° 145 m – 30° 150 – 60°. Slate and lt. grey f.g. (micaceous) quartzite. Interlaminated on mm to cm scale. Cleavage is // to bedding. The bulk of this rock type is a mixture of the Two end members.		135	Py rare
3·0	140	From 120·7 + 128·8 the QS contains common thin tuff horizons.		140	
3·0	145			144·6 145	4cm Py 50 sid vein 60° to c.A.
3·0		FAULT – Pug – 35° to c.A. FAULT – Pug – ?° to c.A. FAULT – Broken core ?° to c.A.		145·6 145·8 146·7 147·1	2cm sid qfg vein 55° to c.A.
3·0	148·4 149·8 150	Interbedded (brecciated) cream to dk grey mudstone. locally silicified mudstones so 50-60° to c.A. (Sed. breccia)		150	

ABERFOYLE

DIAMOND DRILL LOG

HOLE N° [illegible]

Feature

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

Mineralization

978034

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		Dk. grey to black slate w. interbeds rafts and fragments of lt. grey f.g. (micaceous) quartzite.			
		Qs as above.			
		S1/S0 – 155 – 30° to c.A.			
		160m – 40° to c.A.			
		165m – 60° to c.A.			
		170m – 40° to c.A.			
		175m – 65° to c.A.			
3·0	155			155	
3·0		FAULT – Pug 35° to c.A.	F	157·0	
3·0					
	160		py	160 / 160·2	<1cm py to sid vein 25° to c.A
3·0					
		FAULT – Broken core 25°? to c.A.	F	162·9	
3·0	165			165	
		FAULT – Pug 45° to c.A.	F	165·4	
			py	167·6 / 167·8	py 15 vn/vlet stockwork.
3·0	168·0	Lt. grey f.g. micaceous quartzite. Massive to bedded qtzite w locally common qtz vn/vlets unoriented. Bedding 30-60° to c.A.			
	170·0			170	
3·0		FAULT – Pug 35° to c.A.	F	170·7	
		FAULT – Pug 30° to c.A.	F	171·1	
		Dk. grey to black slate w. frag. rafts and interbeds of lt. grey f.g. (micaceous) quartzite. Qs as for 128·7 – 148·4.	py	172·5	1 cm py to sid vein. 45° to c.A.
3·0					
	175			175	

ABERFOYLE

DIAMOND DRILL LOG

HOLE Nº 671

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%

978035

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG (TRACE / COMMON / ABUNDANT / MASSIVE)	DEPTH m	MINERALIZATION
3·0		Lithology - as above - Dk. grey to black slate w. fragments, rafts and interbeds of lt. grey f.g. (micaceous) quartzite.			Py rare (1-2) veinlet
		FAULT - Pug 50° to c.A.	F	178·5	
		So/S1 - 175m - 60° to c.A.		179·2	2cm Py 99 vein 80° to c.A.
3·0	180	180m - 65° to cA.		179·7	1cm Py 60 sid vein 40° to c.A.
		185m - 40° to c.A.		180 180·2	
		190m - 65° to c.A.			Py 15 veinlet, vein & f.g. locally assoc. w. qtz & sid.
		195m - 50° to c.A.		181·5	
		200m - 70° to c.A.		181·9	Py 80-90 qtz vein w. Stn. tr as blebs. 90° to c.A.
				182·3	Py 2-8 (10) veinlets.
3·0					
	185			185	Py rare (1-2) veinlets.
3·0					
				187·2	1cm py 70 sid vein 35° to c.A.
3·0					
				189·5	1cm Py 80 sid vein 50° to c.A.
	190			190	
3·0				191·5	
		FAULT - Pug 40° to c.A.	F	191·7	5cm Py 15 veinless 45° to c.A.
				194·0	1cm py 80 sid veinlet 40° to c.A
3·0	195			194·9 195	10cm py 80 qtz/sid vein 50° to c
	195·5	Lt. grey f.g. micaceous quartzite. weakly bedded at 50° to c.A. Lge. interbed in QS.			
3·0	197·4	Dk. grey to black slate w. frag., rafts. and interbeds of lt. grey f.g. (micaceous) quartzite. Qs as for 128·7 - 148·4			
				200	

ABERFOYLE

DIAMOND DRILL LOG

HOLE Nº 971 Page No 7

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

Mineralization 978036

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	200·2	FAULT ZONE Broken core & pug low angle (about 10-15°) to c.A.							
·8	201·5	FAULT - Broken core - 10° to c.A.	F					200·1	
3·0		Lithology - as above dk. grey to black slate w. rafts, fragments & interbeds of lt. grey f.g. (micaceous) quartzite. FAULT - Pug 45° to c.A. FAULT - Pug 30° to c.A.	F F					204·0 204·5	Py rare
	205							205	
2·7		FAULT - Broken core ?° to c.A.	F					207·2	
	208·2	FAULT - Broken core - 30° to c.A.	F					208·0	
		lt. grey f.g. micaceous quartzite A massive rock with slumped upper & lower contacts.							
	209·1								
3·0	210	dk. grey to black slate w. rafts, fragments and interbeds of lt. grey f.g. (micaceous) quartzite. QS as above. qtzite rich at first grading to more pelitic away from the qtzite interval above. 211·4 x beds ⇒ young-ing up hole.						210	
3·0								213·9 214·1	Py 25 vein
	215							215	
3·0		FAULT - Pug 0-10° to c.A.	F					215·7	
3·0	220							220	
3·0		FAULT - Pug 0-10° to c.A.	F					223·2	
3·0	225							225	

ABERFOYLE

DIAMOND DRILL LOG

HOLE N

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%

978037

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	DEPTH m	MINERALIZATION
		Lithology - as above - dk. grey to black. slate w. frag. rafts & interbeds of lt. grey f.g. (micaceous) quartzite; often contorted.		225.6	2cm py 80 c. vein. 80° to c.A.
		2cm sid vein 30° to c.A.		226.6	Py rare.
		1cm sid vein 30° to c.A.		227.0	
3.0		FAULT - ?° to c.A. broken core	F	227.8	10cm py 5 c.g. assoc. w. fault.
		FAULT - Pug 15° to c.A.	F	228.3	10cm py 15 c.g. assoc. w. fault.
		FAULT - Pug - 10° to c.A.	F	229.0	
		FAULT - Pug - 10° to c.A.	F	229.1	Py 3-5 f.g. to c.g. & vein. also vein qtz.
		229.7 - 2cm q vein 30° to c.A.		229.5	
	230	230.3 - 2cm q vein 45° to c.A.		230	
3.0		230.8 - 2cm q/sid vein 40° to c.A	q		
					Py rare veinlet assoc. w. sid.
	233.2	FAULT ZONE Broken core & pug at 10-30°?			
3.0	233.8				
		S1/S0 225cm - 30° c.A.			
	235	230 - 5°		235	
		235 - 30°			
		240 - 35°			
3.0		245 - 45°			
		250 - 70°.			
3.0	240			240	
3.0					
				243.8	1cm py 80, sid & ser vein. 30° to c.A.
				243.9	2cm " " " 80° to c.A.
				244.6	Py 2-3 (10) vein & f.g. to c.g.
	245			245	
2.3	245.7	FAULT ZONE Broken and sleased slate & Pug. 10°? to c.A.			Py rare.
	246.6				
			Py	247.3	1cm py 80 sid vein 30° to c.A.
3.0			Py	248.4	1cm py 60, sid vein 25° to c.A
	250			250	

ABERFOYLE DIAMOND DRILL LOG HOLE N [ ] Page

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%

978038

CORE RECD	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
3.2		Lithology – as above – dk. grey to black slate w. frag. rafts & interbeds of lt. grey f.g. (micaceous) quartzite (contorted).							Py rare.
		FAULT – Pug – 30° to c.A.	F					251.9	
			Py					253.0	3cm Py 90 sid. vein 35° to c.A.
									Py 1-2 f.g. to c.g. & (veinlet)
		FAULT – Pug 10° to c.A.	F					254.6	
3.0	255							255	
								255.2	
									Py rare.
3.0		1cm. sid vein // c.A.	sid					258.0	
		Si/So 255 – 40° to c.A.						259.2	
		260 – 35° to c.A.	Py/qtz					259.6	Py 5-7 i c.g. sid vein. 65° to c.A. Py on margin.
		265 – 45° to c.A.						260	
		270 – 40° to c.A.							
3.0	260	275 – 40° to c.A.							Py rare (1-2) as f.g. (bedded) and rare veinlet.
			Py					262.1	1cm Py 95 sid vein 55° to c.A.
									Py rare.
3.0									
	264.7							264.7	1cm Py 70 qtz vein 45° to c.A.
	265	Cream slumped siltstone w thin med grey shale wisps & interbeds. Much s-sed. def.						265	Py 3-5 (10) f.g. to c.g. assoc. w. qtz
	265.5							265.5	Py rare
		Dk. grey to black slate w. frag, rafts and interbeds of lt. grey f.g. (micaceous) quartzite (contorted) Qs as for. 128.7-148.4	Py					265.9	2cm Py 95 c. vein. 45° to c.A.
3.0	267.5								Py rare (veinlet).
	267.8	FAULT ZONE – Pug 95° to c.A.							
2.5	270							270	
	270.1	FAULT ZONE – Pug and broken core 60-80° to c.A						270.6	Py 3-5 (20) f.g. to c.g. & vein
		Local assoc. Py. veining							
2.9									
	273.7							273.7	
									Py rare.
	275							275	

ABERFOYLE DIAMOND DRILL LOG

978039

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		lithology – as above – dk. grey to black slate w. frag. rafts and interbeds of lt. grey f.g. (micaceous) quartzite – locally contorted.	sid	276.0	1cm py 20 sid vein 55° to c.A.
3.0					py rare veinlet.
	280			280	
				280.3	1cm py 5 veinlet. 50° c.A.
2.6	281.7			281.3	1cm py 15 veinlet. 30° to c.A.
		FAULT ZONE – Pug and broken core. orientation from individual surfaces appears to be 20-30° to c.A.			
.5					py rare.
1.0	284.7				
	285			285	
1.3					
3.0		FAULT – Broken core ~30°? to c.A.	F	287.7	1cm py 50 sid vein. 25° to c.A.
				288.0	
				289.1	1cm py 40 qtz/sid vein 25° to c.A.
3.0	290	FAULT – Broken core 40° to c.A.	F	290	py rare
				290.8	
				292.0	py 10-15 f.g. to mg. (assoc. w. qtz)
				292.4	
3.0		FAULT – pug – 10-15° to c.A.	F	293.3	py rare veinlet.
	295			295	
	295.3	Interbedded brown pyritic mudstone, grey to black slate and grey green (sericitic or mudstone – possibly tuffaceous).		295.3	py 15 f.g. bedded. (rest)
	295.6			295.6	
2.4		Dk. grey to black slate w. frag. rafts and interbeds of dk grey f.g. (micaceous) quartzite. (contorted)			py ↑ as f.g. (bedded) and pyritic webs.
		Qs as for 128.7 – 148.4			
			py	298.3	5cm py 95, sph 3, sp 2 vein 30° to c.A.
2.9			py	298.9	1cm py bc sid vein 40° to c.A.
	300			300	

ABERFOYLE

DIAMOND DRILL LOG

HOLE N° [redacted]

Feature

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

Mineralization

978040

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 - dk. grey to black, slate w. frag. rafts & interbeds of lt. grey f.g. quartzite. 5cm f.g. tuff						301.1	
3.0	301.6	Lt. grey green to dk. green f.g. to lapilli tuff, w local fine agglomerate A pyroclastic interval consisting predominantly of vesiculated lava frag. (60-70%) 1mm to 2-3cm (av. 5cm) w. local agglomerate size lava frag. Frag. are highly sericitic with vesicles infilled by sericite, chlorite carbonate, qtz or rarely pyrite. Interstitial to the fragments is a f.g. matric of the same comp. as the frag. Bedding is very poorly to well developed, and gen. at low to mod. angles to c.A. av. 35-40°. Cleavage is very weakly dev. This lithology grades to a well bedded to massive f.g. tuff of the same composition.								Py rare
3.0	305							305	
3.1									
3.0	310							310 310.4 311.1	1cm sid vein // c.A. 1cm py 20, sp 3-5 sid vein 20° c.A.
		FAULT - Fug. ~15° to c.A. 10cm sid vein 15°						312.2	
3.1	315							314.7 315 315.9	5cm py 99, sid vein 60° to c.A. Py 2-3 f.g. & veinlet.
									Py rare (f.g. & veinlet)
								316.3 316.6	Py 2-3 f.g. to c.g. & veinlet. 5cm py vein 65° to c.A.
3.0									Py 2-3 (5) f.g. & veinlet.
								317.7	3cm py 70, sid vein 65° to c.A.
									Py 2-3 (5) f.g. & veinlet.
								318.8	Py rare.
								319.3	1cm py 90 sid vein 45° to c.A.
3.0	320							319.8 320 320.1	Py 10 veinlet (stockwork)
									Py rare
								321.7 321.9	Py 20 f.g. to c.g. & veinlet.
3.0									
	325							324.3 324.8 325	1cm py, 60, sid vein 35° to c.A. Py 2-3 f.g. to c.g. Py rare.

ABERFOYLE

DIAMOND DRILL LOG

HOLE Nº [ ]

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%

978041

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE / COMMON / ABUNDANT / MASSIVE	DEPTH m	MINERALIZATION
3.0	326.2	Lithology - as above - lt. to dkc. grey green f.g. to lapilli tuff.			326.6	Py rare.
		Interbedded lt. grey green f.g. tuff and black cong. slate. Interbeds av. 10cm. of tuff & slate containing rafts of tuff & mudstone.			327.1	
	327.2	lt. grey to dkc. grey slate containing fragments rafts & interbeds of lt. grey (micaceous) siltstone to f.g. quartzite.			327.4	1cm py 80 sid vein 20° to c.A.
1.3	328.7	FAULT ZONE Broken core & sid veining - 70° to c.A. but possibly 15-20°.			328.0	
	329.4	1 FAULT - Broken core 45° to c.A.			328.4	1 cm sid. vein 40° to c.A.
		2 FAULT - Broken core 20°? to c.A.			328.5	1 cm sid vein 35° to c.A.
		3 FAULT - Broken core & py vein 20° c.A.			328.7	10 cm sid vein. ?° to c.A.
		4 FAULT - Broken core 40° to c.A.				Py 1-2 (10) f.g. & rare veinlet.
		FAULT - Broken core 80° to c.A.			329.5	10 cm sid vein 30° to c.A. post date py vein.
		FAULT - Sheared slate 0° to c.A.			329.7	
1.4	330				330	2cm py 95 q/z vein 40° to c.A.
		QS as for 328.7-329.4 but showing extreme S. sed. def. w. lge amounts of qtzite as frag & rafts. Locally pyritic (bedded) fragments.				Py rare
					331.3	
					331.4	
					331.7	
3.0						Py 1 (5) f.g. (bedded) & rare veinlet.
		Si/so 330m - 0° to c.A.				
		335 m - 30° to c.A.				
.8	335				335	
		FAULT - 35° to c.A. Broken core & py.				
2.4					335.9	
	337.1	Lt. grey green to dkc. grey green lapilli-tuff w. local fine agglomerate.			337.1	5cm. py 30 qtz vein 20° to c.A.
3.0		Pyroclastic interval w. fragments av. 1cm locally reaching 7-8cm. Description as for 301.6 - 326.2.				Py 2-3 f.g. & rare vein.
		3cm sid vein 25° to c.A.				Py rare.
	340	Locally bedded at low & to c.A.			339.7	
					340	
3.0					341.6	8cm py. 90 sid vein 35° to c.A.
						Py rare
					342.7	2cm py 50 sid vein 40° to c.A.
						Py rare
	343.8	Dkc. grey to black slate w. fragments rafts and (interbeds) of lt. grey f.g. (micaceous) quartzite.			342.95	1cm py 80 qtz vein 50° to c.A.
3.0						Py 2-3 (10) f.g. bleb & veinlet.
	345	QS. as for 328.7-329.4 but only rare interbeds of quartzite. Qtzite occurs mainly as fragments 1mm to 10cm., gen oblate.			345	35cm py 95, Stn 1 sid vein 40° to c.A
					345.1	Py rare
					345.7	Py 5-10 veinlet, f.g. & bleb.
					345.95	2cm py 60 sid vein 35° to c.A.
					346.1	2 cm py 80 "
					346.4	20 cm py 90 sid / ser vein 35-40° c.A
					346.7	15cm py 80 stn 10 sid vein 30° c.A
		Si/so 345m - 40° to c.A.			347.1	
		350 m - 10° to c.A				Py 1-2 veinlet assoc. w. sideite.
3.0						2cm py 80 sid vein 20° c.A.
					347.9	8cm py 95 sid / ser vein 20° c.A.
					348.1	
					349.15	1 cm py 95 sid vein 55° to c.A.
	350				350	

ABERFOYLE **DIAMOND DRILL LOG** HOLE Nº 471 Page

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

Mineralization 978042

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

CORE REC'D	DEPTH m	GEOLOGY	DEPTH m	MINERALIZATION
3·0		Lithology - as above - Dk. grey to black. slate w. fragments rafts and (interbeds) of lt. grey f.g. (micaceous) quartzite.		Py 1-2 veinlet assoc w qtz & sid & bleb to f.g. Local pyritic qtzite & py. clasts.
		Rare tuff fragments.	352·4	4cm py 98 sid vein 50° to c.A.
3·0		S1/S0 355m - 40° to c.A.	354·0	2cm py 90 sid vein 30° to c.A.
3·0	355		355	
	358·2	END OF HOLE		
	360		360	
	365		365	
	370		370	
	375		375	