ABERFOYLE — DIAMOND DRILL LOG — HOLE Nº G55 — Page No 1

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
SWAMP		Broken and weathered volcanics							
6		The weathered nature and broken character of the rock does not allow detailed differentiation of lithology.							
·5	5	The bulk of the rock appears to be lithic tuff whilst lavas are present.						5	
·4									
·3	10							10	
·2									
·3									
·3									
·9	15							15	
·6									
·5									
·5	20							20	
0									
·1									
·5									
	25							25	

Feature

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CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
.6									
1.9									
.5									
.7	30							30	
1.3									
1.5									
.6									
1.3	35							35	
1.1									
1.9									
1.8	40	APPROX. BASE OF WEATHERING.						40	
.9		Lt. grey green sericitic and chloritic lithic tuff and fine agglomerate							
1.5		Rock composed of vesicular lava fragments from ≈ 1mm to >10 cm (av 1cm) av. 80-90% of the whole. Composition - sericite - chlorite - carbonate as is the rock matrix. Fragments are irregular angular to subrounded.							
.6	45							45	
3.1									
	50							50	

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
3.0		Lithology - as above - lt. grey green volc - fine agglomerate & tuff.							
3.0	55							55	
3.0									
3.0	60							60	
2.9	62.7	Lithic tuff fining downwards to fine tuff. Lower 30 cm of interval is well bedded tuff - 20° to c.A.							
3.0	64.7 65	FAULT ZONE - Broken core - graphitic surfaces. Puggy in part.						65	
	66.3								
3.0	68.05	Interbedded med. grey and black siltstones							
	70	This is an extremely well laminated rock. Av. lcm. beds of med. grey sericitic siltstone interbedded with black siltstone beds which are thinner, av. 3 cm.						70	
3.0		Evidence of an early fabric forming event is present. Isoclinal folds occasionaly rootless are common. S1 is axial planar. Beds ocasionaly thicken & thin or boudinage altogether possibly as a result of transposition during this early event.							
3.0	75	S1/Sp is at a generally low angle to c.A. (av. 25°) but often						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	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
		becomes parallel.							
3.0									
3.0	80							80	
3.0									
3.0	85							85	86.5 - .5cm bed of syn. py // to C.A.
2.7	89.0	88.7 - 1cm sid vein. Med grey generally uniform siltstones							
	89.9 90	FAULT ZONE Broken core						90	
	90.4							90.5	
	90.8 91.0	FAULT ZONE - Broken core							
1.7	92.0	FAULT ZONE Broken core - 5-10° to C.A ?							
	92.5								
2.1									
	94.6 94.8 95	FAULT ZONE - Broken core						95	
2.8		89.0 - 96.8m Med gray highly sericitic poorly laminated rock with a weak cleavage parallel to primary layering.							
	96.8	Laminated grey siltstones							
3.0		97.8 - Fault w. pug 15° to CA. 98.8m - sid vein 2 cm						98	
	100							100	

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
3.0		Lamination av. 5cm of lt. grey to dk. grey siltstone. So at 0-10° to c.A. Numerous very thin (av 1mm) veins of qtz ± sid ± py often at 90° to c.A.							
	103.1	FAULT ZONE - Broken core							
	103.3	103.3 - 5cm qtz vein							
3.0	105	104.3 1cm sid vein 45° to c.A						105	105.3 - 1 cm py in def. vein?
3.0									
	108.8	10 cm sid veinlets at base of zone							
		Uniform med grey sericitic siltstone							
3.0	110	Rock is more uniform (less strikingly laminated) So is at 0-15° to c.A. Laminations between slightly variable siltstone. Lt. grey to med grey.						110	
3.0	115	115 - D_1 fold?						115	
2.0		116.3 - Fault - broken core 10° to c.A.						116.3	
1.0									
3.0	120							120	
3.0									
	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
3.0		Lithology - as previously - uniform laminated sericitic siltstones.			
3.0	130			130	
3.0	132.3	132.3 - 140.0 m Lt. grey to dark grey laminated siltstone Thinly laminated sericitic rock. lamination more outstanding due to contrasting colouration of siltstone At approx 138.5 m So/S1 swings from 0 - 10° to c.A. to approx 25-40° to c.A. 138.7 - slumping? 1cm sid vein - 40° to c.A			
3.0	135			135	
3.0					
3.0	140	Lt. grey green lithic tuff Weakly vesicular volc. frag. in dk. grey silt? matrix. Grades to fine tuff at bottom of interval		139.7 140	140 - 140.3 - Py 30% as blebs diss. in matrix of tuff.
3.0	141.65	Dark grey silty fine tuff.? Fine tuffaceous ? rock containing frag av 2-3mm of grey siltstone. 143.3 - qvsid 2cm	qvsid		
3.0	144.05	Lt. grey to dark grey laminated siltstones As for 132.3 - 140.0m S1/So av 30° to c.A.			<< 1% syn py as beds av 3-4 mm thick.
3.0	145			145	
3.0		147.5 - 1cm sid vein // to S1/So		147.5	
3.0	150			150	

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	155	Lithology – as above – interbedded lt. & dk. grey siltstones.						155	
3.0		158.9 - 1cm sed dyke?							
3.0	160							160	
	160.45	Grey green F.g. tuff. sericitic & contains flecks of sid.							160.7 - 2cm sid vein
	160.9	160.9 - possible fault contact. Fracture and bedding truncated.							
3.0		160.0 – Lt. grey uniform to weakly laminated sericitic siltstone. S1/S0 @ 30° to C.A.							
3.0	164.7								
	165	Interbedded lt. & dk. grey siltstones.						165	
3.0		167.4 - 10 cm qtzite.							
	168.7								
	169.1	Lt grey to dk. grey banded qtzite.							
3.0	170	Uniform med grey laminated siltstone As described for 160.9 – 164.7 m						170	
3.0	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
3.0	176.3	Interbedded lt. grey to black siltstone and lt. grey micaceous f to m.g. qtzite. Thin beds of qtzite begin to appear at 176.3 and become increasingly dominant towards the contact with the volcanics below. Qtzite bands from 1mm to 40 cm, av. 2-3 cm. & shale bands 1mm to 3cm, av 1cm.
2.0	180	
1.0		Broken core ⇒ Fault
1.0		Broken core ⇒ Fault?
1.5	185	
3.0	188.1	FAULT ZONE - Broken core.
.7	190	
2.3	191.0 / 191.6 / 191.9	Lt. grey green m.g. tuff w. minor wisps of siltstone near base 191.9 - q vein 1cm
3.0	195	
2.3	198.5	198.5 - Fault breccia.
.7	199.3	Olive green vesicular lava - very fine to coarse vesicles filled w. chlorite & sericite.
	200	

VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE

DEPTH m	MINERALIZATION
180	
181.4	
185	
190	
195	
198.5	
200	

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
3.0		201.3 – q/vein 30° to c.A.
3.0		203.2 – sid vein 80° to c.A.
	205	
	205.7	Grey green sericitic ± volcs.
3.0		These are sericitic ± chloritic carbonate rich intermediate? to basic? volcs.
	207.3	Grey green vesicular lava (or block?)
	207.7	
3.0	210	
3.0		
3.0	215	
	216.75	
	216.95	Grey green vesic. lavas.
	217.9	
	218.3	Grey green vesic. lava
	218.4	grey green vesic. lava
3.0	219.25	
	219.6	
	220	Grey green vesic lava – 10-15° to c.A.
	220.2	
3.0	222.3	
		222.3 – 237.7 m
		Grey green sericitic carbonate rich vesicular lava and minor lava breccia?
		Individual flows appear to reach over 2m.
3.0		223.5 carb vein – 1cm
	225	

VISUAL LOG | TRACE | COMMON | ABUNDANT | MASSIVE

DEPTH m: 201.3, 203.2, 205, 210, 210.4, 215, 220, 223.5, 225

MINERALIZATION

ABERFOYLE

DIAMOND DRILL LOG

HOLE Nº G55 Page No 16

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Trace 1-5%
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CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
		The lavas in this interval are very carbonate rich. Vesicles are often infilled with calcite and small veinlets & blebs of calcite occur.							
3.0		227.3 - 227.65 - calcite vein?						227.3 / 227.65	
3.0	230							230	
		calcite vein - 80° to c.A.						231.8	
3.0									
		sid vein - 40° to c.A.						234.3	
	235							235	
		q/sid vein - 25° to c.A.						236.1	
3.0									
	237.7	Lt. grey green sericitic, & carb. rich lithic tuff and fine agglomerate							
3.0	240							240	
	240.9	Lt. grey green vesic. lava - chilled contacts							
	241.45	30-40° to c.A.							
3.0									
	245							245	
3.0									
3.0									
	250							250	

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CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
3.0		Lithology - as previously - sericitic lithic tuff and fine agglomerate. (rare)							
3.0	255							255	
3.0									
3.0	260							260	
3.0									
3.0	265							265	
3.0									
3.0	270							270	
3.0									
	275							275	

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
3·0	277·0	Lithology – as previously – lt. grey green sericitic lithic tuff and minor fine agglomerate.							
	277·3	lt. grey green vesic lava. 45° to c.A. –vei						277·2	
3·0	278·0	10 cm lava at 278·0 & 277·6 & 278·5 ?							
	280							280	
3·0									
3·0		283·8 1cm sid vein 40° to c.A.						283·8	
	285	2cm sid vein 45° to c.A.						285·0	
		qtz vein 1cm. 30° to c.A						285·5	
3·0									
	290							290	
3·0		1cm sid vein –35° to c.A						291·5	
3·0	295							295	
3·0									
3·0		1cm q & sid vein –20° to c.A						298·6	
	300							300	

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 previously - lt. grey green sericitic lithic tuff and minor fine agglomerate thin lavas??
3·0	303·5	
	304·0	Lt. grey vesicular lava. - contacts chilled? 45060° to C.A.
3·0	305	The rock contains numerous vesicular lava intervals, av. 10-20 cm thick, which often show flattened vesicles at their top and bottom contacts. This may be interpreted as flow top and bottom of a thin flow or as a deformation feature causing flattening of the vesicles on the margins of a homogeneous block?
3·0	310	
3·0		
3·0	315	
3·0		
3·0	320	
3·0		
	325	

VISUAL LOG | TRACE | COMMON | ABUNDANT | MASSIVE | DEPTH m | MINERALIZATION

Feature Bedding, Foliation, Fragment size & shape; Shearing, Fault (F), 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
3·0		Lithology – as previously – lt. grey green sericitic lithic tuff and fine agglomerate							
3·0	330							330	
3·0		1·5cm sid vein – 20° to c.A.						333·3	
		2cm sid vein – 45° to c.A.						333·7	
	335							335	
3·0		3cm sid vein – 70° to c.A.						335·45	
		1cm sid vein ‖ to c.A.						337·5	
3·0	340							340	
3·0									
		1·5cm sid. vein						343·65	
3·0	345							345	
3·0									
	350	349·95m – Fault – pug 40°? to c.A.	F					350	

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									
3·0	355							355	
3·0									
3·0	358·5	Weakly silicified & pyritic tuff – agglomerate The matrix of the tuff in this interval appears to have been replaced by v.f.g. sericite–quartz? This alteration is associated with the introduction of minor amounts of py. which often replaces lithic fragments.							Py 2–3 (5) as f.g. to fleeks and blebs assoc w. sericite–qtz? alteration and rep. lithic frag.
	360							360	
	362·3	Interbedded dol. black siltstone & coarse tuff.							
3·0	362·75	Lt. grey dolomitic siltstone – weakly veined by qtz.							
	363·6	363·4 – 10cm tuff Interbedded med. grey to black siltstones Thinly laminated to massive siltstones. Si/So high angle to c.A – av 60°. Rare py. siltstone eg 5cm at 364·6. Main occurence is as wisps of bedded pyrite. Rare syn. py fragments.							Py <1% as v.f.g. syn. py. wisps; rare py siltstone.
3·0	365							365	
3·0									
3·0	370							370	
1·9	371·5	371·3–·5 – qtz, sid, py veinlets FAULT ZONE – Broken core & pug							
	372·4								
3·0	373·3	Lt. grey siltstone An interval of generally uniform well bedded lt. grey siltstone which grades at the base to interbedded lt. grey							
	375							375	

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
2.9		and dk. grey siltstones.			
3.0	378.05	Pyritic siltstones - variably pyritic siltstones. Most pyritic contain siltstone dropstones ⇒ young up hole. Bedding 60° to c.A.			Py 10-15 (30) v.f.g. syn. py. as bo laminations
3.0	379.55	Lt. grey to black siltstone, dolomite & black carbonaceous shale. Intervals of each of the order of 30 cm thick.		380	
	380.85	Pyritic siltstone - laminated So - 45° to c.A.			Py 15-20 (40) v.f.g. bedded syn. py.
	381.5	Possible younging from slump dom hole? Black carbonaceous shale. - S1/S0? 0-30° to c.A. Very weakly pyritic			<1% v.f.g. diss. syn py.
3.0	383.15	Med. grey to dk. grey dolomite			
		The rock in this interval is generally a massive strongly veined dolomitic siltstone. Veining by dolomite? leads to local brecciation of the rock. Veins vary from < 1mm to 1 cm and are unoriented and stockwork in nature. Within the unit are local siltstone beds to .		385	385.15 - 385.3 - 30-40% py in pyritic siltstone.
3.0					386.65 - 10 cm py 20-30 f.g. syn. py. in py. siltstone.
		25 mm q/sid vein including broken qtz core.		388.0 388.4 388.65	Py 10-15 a/o v.f.g syn py in py. siltstone breccia.
3.0	390	389.9 - 390.2 - Black shale.		390 390.2.	
3.0					
3.0	395			395	
3.0					
	400			400	

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
3.0	405			405	
3.0					
1.8	406.6	Dk. grey to black carbonaceous siltstones w. thin dolomite interbeds q/c veins			407.4 – 5cm py 5 trace Sp. f.g. in q/sid vein 45° to c.A.
.7	408.3	FAULT ZONE? – Zone of broken core and extensive thin qtz + carb veining.		408.3	
1.0	408.95	FAULT ZONE – Broken core, often fractured at low angle to C.A.			
1.1	410			410	
3.0	411.60	414.4 – 25cm dolomitic sed. breccia			
3	415			415	
3.1	418.70	med. grey dolomitic siltstone – bedding near lower contact – 45° to c.A. Rock is generally massive with minor thin dolomite veins			
	420	420.1 Fault – broken core	F	420 / 420.1	
3.0	420.8	Black carbonaceous siltstone as previously			
		423.0 – Fault – broken core	F	423	
		424.1 – " "	F	424.1	
	425			425	

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
2·7	426·1	FAULT ZONE - broken core and pug				
·6						
·8						
1·5	428·9	Brecciated dolomite w. thin black siltstone and grey-green f.g. tuff associated with pyritic siltstone.			429·5	Py 3-5 - syn py. diss & frag.
	430 430·15	Lt. grey brecciated dolomite - post depositional or soft-sed brecciation & fracturing.			429·95 430 430·6 430·8 431·05	Py v. rare Py 2-5 as flecks & in thin veinlets tr-sp. Py 15-30 as large xtal. mass & assoc blebs in dol. Trace sp. & Qa.
3·0	431·66 431·95 432·25	Silicified dolomite - as above, higher av. Py. content. Lt grey dolomite - as previously Silicified locally brecciated dolomite - Gen. a highly siliceous rock. Silicification often appears assoc. w. v.f.g. Py.			431·66 431·95 431·25	Py ≃1% thin veinlets & blebs in dol Py 5-10 v.f.g. wisps assoc. w. silicif. Py. rare Py 1-2 (20) as v.f.g. diss & masses. & as f.g. & flecks & blebs.
	434·5	Pyritic sed. Breccia - Dom. lt. grey dol. frag < 1mm to 2cm. Py frag. & bedded py.			434·5	Py 5 - v.f.g. syn Py (bedded) & Py frag. <1mm to 1cm.
3·0	435 435·05	Lt. grey weakly brecciated dolomitic siltstone. Very uniform rock which grades down into a weakly pyritic dolomite (6cm) and then a highly siliceous bedded ?tst. (25cm)			435·05 435·95 436·05 436·25	Py rare. 10cm Py 5 v.f.g. syn Py, bedded Py 15-20 (40) v.f.g. syn. Py. in Py. siltstone Py. dol.
	436·25	Pyritic siltstone, pyritic dolomite & Py. & dolomitic sed breccia w. minor m.g. tuff. - Complex interval of gen. well bedded rocks (S/So 30-45° to c.A.) Youngging at 438m up hole from dropped pebble			437·2	Py 1 (15) v.f.g. to f.g. mainly syn.
3·0	YOUNGING ↑ 438·15				438·15	
		Medium grey massive dolomite A very uniform interval of med. grey massive weakly to moderately carbonate veined dolomite. Veining is irregular often stockwork in nature. Veins (dol? & siderite) av 2-3mm.				
3·0	440	440·2. Fault - broken core	F		440 440·2	
3·0	445	Fault - Broken core	F		445	
		FAULT ZONE - Broken core			448·55 449·9	
3·0		FAULT - Broken core FAULT - Broken core	F F		446·8 447·5	
2·7	450				450	

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
3.0	454.3	Lithology – as above – med. grey dolomite				
2.5	454.6	FAULT ZONE – Broken core.				
	455	455 – FAULT – Broken core			455	
	456					
	456.25	Dk. grey to black siltstone – Si/So 30° to c.A.				
		Interbedded grey dolomite & black siltstone				
	457.2	Typical dol & uniform siltstone			457.2	
2.7	458.2	Black Siltstone – A massive to well bedded occasionaly weakly pyritic rock. FAULT ZONE – Extensive broken core and pug with associated siderite healed fault breccias.			458.1	Py – 1 as vf.g. syn. py. & as Py frag. aw. 5cm
	460				460	
					460.6	Py 25 – f-c.g. assoc. w. sid. in fault brec.
					460.75	Py 5 – as above.
					460.85	Py 1 – vf.g. syn py & syn frag.
3.1					461.4	Py 10-12 – f.to c.g. assoc. w. sid. in fault
	462.05				462.05	brecc. Rare py. siltstone? Rare vein
	463.7	Replaced Dolomite? – Py. in a grey locally rext. dol. host. common sid. veining – overprints min.			463.7	Py 30 – m.g. meshwork in rext. dol.
	464.25	Pyritic Siltstone w. minor thin dolomite beds			464	Py 5-10 – f.g. blebs assoc. w. sid?
3.1	464.75				464.25	Py 30-40 – v.f.g. syn py in bedded siltstone. Minor vein.
	465				464.75	
	465.05	Pyritic Siltstone – Grey brown well laminated (Si/So 20 to 30° to c.A.) pyritic siltstone.			465	Py 30-40 – V.f.g. syn. py. in laminated pyritic siltstone.
	466.0				465.05	
		Cream grey brecciated dolomite – Minor thin siltstone laminae 20° to c.A.			466.0	Py rare f.g.
3.0	467.5				467.5	
		Grey brown pyritic siltstone w. thin interbeds of grey siltstone aw 1cm.				Py 30-40 – v.f.g laminated syn. py. in py. siltstone.
	469.1				469.1	
		Grey siltstone grading downwards to grey dolomite			469.45	Py 5 – f.g. & flecks
	469.75					Py 10-15 – v.f.g syn & blebs in dol.
	470	VT Lt. grey green sericitic lithic tuff. – weakly vesic. Frag. aw .5cm form 80% of rock. Sericitic frag. in darker green matrix. poss mafic chloritic. Weak f.o. foln. 40° to c.A.			470	
3.1	471.35	Dk. grey f. to m.g. tuff. – a very uniform tuff with a very weak fabric (So) 30° to c.A.				
	472.95	Lt. grey lithic tuff. – 70% non. vesic. frag. to 5cm. aw. 5cm.				
	473.4	Dk. grey f. to m.g. tuff. – uniform weakly bedded rock So = 40-60° to c.A. Minor calc.				
3.0		brecciation ??				
	475	FAULT ZONE – broken core			475	

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
3.0	477.95	Lt. grey lithic tuff. - non vesic. frag. av. 5cm. in darker grey matrix.							
	478.0								
		478.3 - Fault - broken core						478.5	
2.0		Interbedded grey lithic tuff and dk grey f.g. tuff. Fine grained tuff. grades into a black bedded siltstone so 30° to c.A.							
	480							480	
	480.8	480.4 - Fault - pug						480.4	
		481.4 - Fault 30° to c.A - pug						481.4	
3.0		Lt. grey lithic tuff. - Rock is composed of weakly vesicular sericitic fragments av. 80% set in a darker more chloritic (or silty) matrix.							
	483.6	FAULT ZONE - Broken core							
	485							484.55	
3.0		Fragment size is very variable from <1mm to sev. cms. Rock is gen. very poorly sorted. Weak p.o. fabric // to a weak lith. layering. may be compaction or tectonic. S1/S0 gen low angle typ. 10-20°						485	
		484.65 - Fault - broken core							
		486.95 - Fault - 25° to c.A.						486.95	
		487.75 - Fault - pug						487.75	
3.0		489.05 - Fault - pug						489.05	
	490							490	
		490.1 - Fault - pug - 70° c.A.						490.1	
3.0									
		493.95 - Fault - pug & broken core						493.95	
3.0	495							495	
	496	FAULT. Fault runs // to c.A. - assoc. w. c. vein over much of its length.							
3.0	497.5								
								498.8	1cm py 15 - c. vein
	500							500	

Feature Bedding, Foliation, Fragment size & shape; Shearing, Fault (F), 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
3.0		Lithology – as above – grey green sericitic lithic tuff. 500.7 – 501.25 – grey vesicular lava? 501.85 – 502.25 – " "							
3.0	505							505	
	505.3	FAULT ZONE – Broken core & assoc. c.blg. vens.							Py 10-12 – no rein mat in c.vens assoc. w. fault zone.
3.0								506.3	
								507.25	Py 5-c.ven
	508.3	END OF HOLE							
	510							510	
	515							515	
	520							520	
	525							525	