



DIAMOND DRILL LOG

Hole No QR88D 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
	5	NO CORE							
0.4	12.0	DTL. Carb., buff-grey lithic feldspar crystal tuff agglomerate.	F						Pyrite 2-3% as disseminations aggregates and irregular veins.
0.6		The rock is a fragmental dacitic tuff lava.	F						
3.0	15	Lithic fragments from 0.5cm to 6cm are irregular to rounded in outline consisting of pale green sericite, after phenocrysts in a buff coloured quartzo-feldspathic groundmass.	F						
3.0		The matrix is grey fine grained siliceous and pyritised.	F						
3.0	20	20.0 - 28.0m. The rock is carbonate rich, veins are irregular to 1cm.	F						
3.0		Aggregates of white carbonate may represent feldspar or filled vesicles (within fragments).	F						
3.0			F						
	25		F						



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	3.0	<p><u>Fault zone</u> as above.</p> <p>50.8 - 51.2. The rock is partly re-cemented with carbonate.</p> <p>Sheared 40° C.A.</p>							Pyrite 3-5% as above.
	3.0	<p>Fragments of buff coloured DTL to 6cm have been noted.</p> <p>GRADATIONAL CONTACT</p>						54.7	
	3.0	<p>DTL. Grey-buff carbonated, locally sericitised lithic tuff agglomerate (locally fdxt-lava breccia)</p> <p>Lithic fragments are feldspar crystal tuff-lava. Feldspar crystals represented by aggregates of pale green sericite in a buff coloured quartzofeldspathic matrix. Fragments are irregular, to subrounded in outline up to 10 cm.</p>	BROKEN CORE						Pyrite 2-3% as disseminations and aggregates of fine subhedral to euhedral crystals.
	3.0	<p>The matrix is fine grained, grey and siliceous, partly pyritised.</p>							
	2.3	<p>There are occasional bands of grey lithic tuff - generally about shear zones, thus tectonic breccia?</p>							
	2.5	<p>Aggregates of green illite-hydromuscovite have been noted.</p>							
	1.2								
	1.0								
	2.0								
	75								



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CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
		DTL as above.						100.5	Pyrite 2-3% as above.
		100.5 0 102.2m. Minor fragmental band - or breccia? PyP1?	C					102.2	Pyrite 5% locally 10%
3.0			F						Pyrite 2-3% as above.
3.0	105		C						
3.0			F						
3.0		109.3m. 10cm carbonate cemented breccia zone.	C						
3.0	110		F						
3.0			C						
3.0			F						
3.0		113.4-114.3. Grey breccia zone, appears to be PyP1 type about fault at 113.7m.	C					113.7	10cm pyrite 10% generally as fragments
3.0	115		F						Pyrite 1-2% as disseminations.
3.0			C						
3.0			F						
3.0	120		C						
3.0			F						
3.0		123.9 - 125.4m. Coarse lithic tuff band, mixed fragment types.	C						
3.0	125		F						

BROKEN CORE



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CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
	3.0	DTL as above.							Pyrite 1-2% as above.
	128.3	Fault zone. Pug, breccia, sheared and broken core. 30° to C.A.							
	3.0							130	
	130	PyPi. Fault contact. Grey sericitised locally carbonated and							Pyrite 30-40% locally 50% as disseminations, bands aggregates and irregular veins. Rare sphalerite, galena and chalcopyrite.
	131	Fault zone. Pug, sheared at broken core sub-parallel to C.A.							
	3.0								
	132.9	silicified feldspar crystal tuff lava. Heavily pyritised.							
	134.6	DTL Buff-grey carbonated locally sericitised feldspar crystal tuff-lava. Locally brecciated.						134.6	Pyrite 3-5% as disseminations, aggregates and irregular veins.
	3.0								
	135	PyPi. Silicified locally sericitised and carbonated blue-grey lithic tuff.							136.8 Pyrite 5-7% as disseminations, aggregates and irregular veins.
	3.0								
	140	Lithic fragments are grey in colour, sericitised trachyte?-feldspar crystal tuff lava and occasionally chert. The matrix is fine grained grey and siliceous.							138.3 Pyrite 50% over 30 cm.
	1.0								
BQ	N/C								
	1.0								
	3.0								Pyrite 5-7%, veinlets, disseminated grains etc.
	145	Silicified, sericitised, carbonated, blue-grey lithic tuff, with occasional light grey deformed chert bands.						145.70	Massive py vein 60% 5cms.
	3.0								
	148.20	Foliation commonly sub-parallel to core axis.						148.20	Massive recryst pyrite 35% sphalerite near 148.20 av.
	149.17	Shearing parallels core axis						149.17	Pyrite 5-7% 10%
	149.62	FAULT ZONE						149.43	Pyrite 50% Tr Fe rich sp
	1.50							150.03	



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CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
	3.00	Fine to medium grained <u>lithic tuff</u> . Blue-grey to black sheared fragments occur in a light-grey sericite-carbonate rich matrix with occasional carbonate veins.							
	180	Cleavage is 25 to 30° to core axis.							
	3.00								
	2.90								
	184	Indefinite contact,							
	185	Sheared <u>tuff-agglomerate</u> , blue-grey to black fragments in a light grey sericite-carbonate rich matrix. Cleavage is 25-35° to core axis.							
	3.00								
	3.00								
	190								
	191.77								
	1.45	<u>FAULT ZONE</u> . Cleaved and puggy core.							
	192.47								
		Sheared <u>tuff-agglomerate</u> continues							Pyrite 5-7%
	4.50								
	195								
		Sheared; carbonate veins							Pyrite 75%, some patches only 5%
	2.70								
	199.70	Fault zone - 20cm pug							Trace pyrite
	200								Pyrite 60%, variable to 25%

