



DIAMOND DRILL LOG

Hole No QR 48 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
		No Core.							
	3.0								
	1.8	PyP Light grey silicified carbonated lithic tuff.							Pyrite 5%-10% as disseminations, aggregates, irregular veins and networks of fine subhedral to euhedral crystals, colloform textures have been noted. Sphalerite 1%-3%, galena 1%-2% and rare chalcopryrite as small irregular veins and aggregates associated with pyrite and often cutting older pyrite veins. Partly leached, solution cavities are common down to 18 m.
	5	Thoroughly disrupted and altered. Lithic fragments are irregular mostly less than 5 mm and generally obscured by alteration. Aggregates of white carbonate and in some instances sericite are thought to represent small lithic fragments.							
	3.0	The matrix is fine grained, highly siliceous and pyrite rich.							
	3.0	Disrupted grey siliceous bands may be chert.							
	10	Foliation or bedding at 30° - 40° to core axis.							
	3.0	Fractures 25° - 60° to core axis.							
	3.0								
	15								
	3.0								
	1.5								
	1.5								18.5 Pyrite 20%, Sph 5%, Gn 3%, trace Cpy as an irregular vein sub-parallel to core axis.
	20								
	20.3	Contact at 30° to core axis.							
	3.0	FT Light grey to buff feldspar crystal tuff lava. Numerous euhedral sericite aggregates and carbonate amygdules.							20.0 20.3 Pyrite rare as discrete aggregates to 0.5 mm.
	21.7	PyP Light grey silicified and carbonated lithic tuff, as above.							21.7 Pyrite 5%-10% as above, sphalerite 1%-2%, galena less than 1%, rare chalcopryrite.
	3.0	Grey-yellow carbonate aggregates to 2 mm (replacing lithic fragments?) are common.							
	3.0								
	25								24.8 Below 24.8 m Py 5%-10% trace Sph, Gn.



DIAMOND DRILL LOG

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	MINERALIZATION		
				TRACE	COMMON	ABUNDANT
		PyP as above.				Pyrite 5%-10% trace sphalerite and galena as above.
	3.0	Some irregular lithic fragments to 2 cm.				
	3.0	27.5 - 29 m The rock is banded at various core angles suggesting small scale folds.				
	30					28.9 Py 60% Sph 3% Gn 2% as veins at 30° to core axis.
	3.0					29.2
						29.8 Py 60% Sph 3% Gn 2% as a vein at 30° to core axis.
						30.2
						Py 5%-10% as disseminations, irregular veins and networks, trace Sph, Gn.
	3.0					33.0 3 cm Py 60% Sph 3% Gn 2% as a vein at 30° to core axis.
						Py 5%-10% trace Sph, Gn.
	35					
	3.0					
						37.7 Py 70% Sph 5% Gn 3% as disseminations and aggregates within a band at 40° to core axis.
						38.25
	3.0					39.7 Py 60% Sph 3% Gn 2%.
						40.0
	40					
	3.0	41.2 - 55.9 m Interpreted east lens (S lens) bands of massive and semi-massive pyrite with associated base metal mineralization. Irregular bands of mineralization are often at 30° to core axis.				41.2 Py 50% as aggregates and bands of subhedral to euhedral crystals to 2 mm. Brown sphalerite 20% as bands and aggregates. Recrystallised galena 15% rare Cpy.
	45	Below 45.1 m irregular shaped lithic fragments up to 3 cm become more common.				45.1 Py 5%, 60% where indicated as aggregates and veins of fine euhedral crystals, trace Sph and Gn.
	3.0					
						48.25 Py 70% as massive bands of fine subhedral to euhedral crystals, brown sphalerite 3% as irregular veins and aggregates
	3.0					
	50					



DIAMOND DRILL LOG

Feature : Bedding Shearing Foliation Fault Vein Fragment-size & shape carbonate 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	UPL as above. Small aggregates of green illite-hydromuscovite have been noted. Below 76.5 m the rock is carbonated veins to 1 cm are common.				Pyrite 3%-5% rare Sph, Gn as above. Pyrite commonly replaces sericite aggregates.
	3.0	Weak foliation at approx. 40° to core axis. Fractures at 20°, 60° and 75° to core axis.				
	80				79.9	5 cm vein pyrite 40% sphalerite 2%-3% galena 1%-2%.
	3.0					
	3.0					
	85					
	3.0	87.6 - 89.5 m the rock appears to be brecciated or fragmental with a pyrite matrix.			87.6	Py 30%, Sph 2%-3%, Gn 8% with secondary carbonate as irregular veins and aggregates.
	1.65				89.5	Pyrite 5%-10% as disseminations, irregular veins and networks, rare Sph, Gn.
	1.35					
	3.0	Below 92.5 m the rock is increasingly sericitised, grey in colour due to increased ultra-fine pyrite.				
	95					
	1.2					
	96.4					
	1.8	PyP Gradational Contact. Grey siliceous sericitised and locally carbonated coarse lithic tuff. Lithic fragments from 0.5 mm to 3 cm are irregular in outline. They consist of altered porphyritic dacite, sericitised trachyte? and recrystallised chert.			97.5	Pyrite 3%-5% as disseminations, irregular veins and networks, rare Sph, Gn.
	3.0					
	100					

