





# DIAMOND DRILL LOG

Hole No QR 41

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  $\geq$ 60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
		No Core.							
	3.0	DTL.							
	1.2	Fine grained light green to buff coloured carbonated <u>dacitic tuff lava</u> . Carbonated feldspar phenocrysts up to 0.5 mm are common, in an altered quartz feldspar groundmass.	BROKEN CORE						Generally barren. Rare secondary pyrite, fine subhedral to euhedral crystals to 0.5 mm.
	5	Partly oxidised and rusty orange in colour down to 9.8 m, occasionally oxidised along fractures down to 27.5 m.							
	2.1	The rock is weakly banded (flow banding?) at various core angles, generally at 35° to core axis.	BROKEN CORE						
	1.8	Chlorite is common on fracture planes.							
	10	Alteration along old carbonate cemented fracture planes often turns the rock grey in colour.							
	1.0	Minor carbonate veinlets are common. Fractures 50° to core axis.							
	2.8								
	15								
	3.0								
	3.0								
	20								
	3.0								
	22	MTL Similar to the rock above.							
		Darker in colour (dark brown) due to the presence of discrete magnetite grains. It is possible that this rock represents the dacitic tuff lava in its most unaltered state i.e. before magnetite becomes iron oxide.							
	3.0								
	25								





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CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
		DTL as above.							Rare pyrite as above.
	3.0								
	3.0	55							
	3.0	Below 56 m irregular, small white carbonate veins are common.							
	3.0								
	3.0	60							
	3.0								
	3.0	65							
	3.0								
	3.0	69.2							
	3.0	70 <u>Fault zone</u> Broken core, some pug, quartz and chlorite 10° to core axis.							
	3.0	71.5							
	3.0								
	3.0	75							









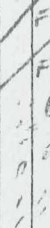
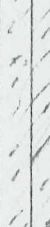

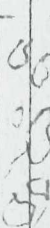


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 Vein  c carbonate  
 q quartz

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
		Chlorite alteration is common down to 137.1 m. Weak foliation 35° to core axis.				Sulphides as above.
3.0					127.3	Py 15% as minor veins and disseminations of fine subhedral to euhedral crystals. 128.1 m splash of Cpy, trace overall.
3.0	130	In the vicinity of 129 m the rock is disrupted and contains some cherty material bedded at approx. 30° to core axis.			129.5	Py 50% as disseminations of fine subhedral to euhedral crystals and as irregular veins often showing colloform texture trace Sph and Gn.
3.0						
3.0	135	Disruption of minor carbonate veins between 134 - 136 m illustrates the deformed nature of the unit.				
3.0						
3.0	137.1	Grey carbonated and silicified lithic tuff agglomerate.			137.1	Py 5% as fine disseminations within the matrix and as subhedral to euhedral crystals to 1 mm. Massive pyrite up to 90% occurs as indicated
3.0		Lithic fragments up to 5 cm are sub-angular to sub-rounded dacitic lava with characteristic blebs of sericite up to 3 mm (after feldspar) other fragments are fine grained grey in colour and maybe fine tuff. The matrix is fine grained and light grey in colour.				
3.0	140					
3.0						
3.0	145					
3.0						
3.0	150					



HOLE No QR 41

DATE 21/5/75

INITIAL ANALYSIS: CHECK LAB: AMDEL

SAMPLE NO	FROM [M]	TO [M]	IW [cm]	REMARKS	%Cu		%Pb		%Zn		%Fe	ppm Ag	ppb Au	ppm Au	INT.	%Cu	%Pb	%Zn
					AAS	XRF	AAS	XRF	AAS	XRF	TIT	AAS	AAS	FIRE		XRF	XRF	XRF
159525	117.25	118.80	155		0.02		0.09		0.12			3	55					
159526	118.80	120.35	155		0.22			5.64		6.47		150	>500	3.3				
159527	120.35	122.25	190		0.22			2.50		5.19		35	310					
159528	122.25	125.09	284		0.11		0.63			2.05		17	50					
159529	125.09	127.13	204		0.07		0.19		0.51			8	65					
159530	127.13	128.75	162		0.09		0.06			1.06		4	50					
159531	128.75	129.69	94		0.08		0.06		0.85			2	50					
159532	129.69	132.21	252		0.01		0.04		0.17			4	30					
	118.80	122.25	345		0.22		3.91		5.77			86.7		1.7	0.22	3.65	5.60	