









# DIAMOND DRILL LOG

Feature : Bedding Shearing   
 Foliation Fault   
 Fragment-size & shape 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
		Below 50.4 m the rock is grey in colour due to increased pyrite alteration. Contact 55° to core axis.							Pyrite <1% as above.
2.25	51.5	PyP <sub>1</sub> Grey sericitised and carbonated coarse lithic tuff/tuff agglomerate. Mixed fragment types from 0.5 mm to 5 cm in a grey siliceous, carbonated matrix. The rock is locally sheared.						51.5	Py 50%, Sph 5%-10%
								51.85	Gn 10%-15% as a band at 55° to core axis in a completely sericitised gangue.
3.0	54.1	DTL Buff carbonated feldspar crystal tuff-lava.						54.1	Py 5% as disseminations, aggregates and irregular veins.
	55	The rock is similar to that described above 51.5 m and is characteristically altered grey by pyrite along "healed" fractures.							Py <1% as disseminations of fine subhedral to euhedral crystals.
	3.1	This unit includes minor fragmental bands (PyP <sub>1</sub> ) of grey lithic tuff.							
	60								
3.1	61.65	PyP <sub>1</sub> > DTL Grey-buff carbonated lithic tuff agglomerate. There are a mixture of lithic fragments up to 10 cm, the larger are buff to pink DTL similar to that described above. There is a crude fragment alignment or foliation at 45° to core axis.						61.65	Py 5% as disseminations aggregates and occasional fragments.
	64.95	DTL Buff-pale grey-green carbonated feldspar crystal lithic tuff agglomerate-lava breccia.						64.95	Py <1% as above.
0.75	65	Fragments are typically DTL irregular in outline up to 10 cm.							
	2.4	The matrix is generally of similar composition and texture as the fragments - occasionally carbonate rich.							
2.55	70	There are minor bands of grey fragmental rock.							
0.45		Fractures sub-parallel, 20°, 30° to core axis.							
	3.0								
	75	75.0 m 15 cm band of grey chert or fine tuff at 25° to core axis.						75	15 cm Py 2%.







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CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE COMMON ABUNDANT MASSIVE	DEPTH m	MINERALIZATION
	3.1	DTL as above.				Pyrite 1% as above.
	3.1	Below 129.4 m the rock is less altered - buff in colour and fine grained.			129.4	Pyrite <1% as disseminations of fine subhedral to euhedral crystals.
	0.55					
	3.0					
	1.8					
	1.2					
	1.4					
	1.6					
	3.0					
	143.5	Gradational Contact			143.5	Pyrite 1%-3% as disseminations and aggregates replacing lithic fragments and as occasional fragments.
	3.0	MP Green carbonated <u>lithic tuff agglomerate</u> . This unit is characterised by the chrome green colouration imparted by abundant illite-hydromuscovite alteration and by irregular shaped (to 6 cm) amygdaloidal lava fragments. Fragments of tuff and pumice are less abundant. The matrix is generally siliceous and contains granular carbonate.			147.2	Py 10% as disseminations and aggregates, rare Sph and Gn.
	145				147.6	4 cm Py 10%, Sph 40%, Gn 20%
	3.0	PyP <sub>1</sub> Grey locally sericitised & carbonated lithic tuff. Mixed fragment types.			148.45	Py 5%-10%.
	147.6	DTL Gradational Contact			148.45	Py 1% as disseminations, aggregates and irregular veins.
	148.45	Buff to grey-green <u>vesicular feldspar crystal tuff-lava</u> . Feldspar crystals are represented by white carbonate				
	1.8					

BROKEN CORE



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CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
		aggregates and occasional aggregates of pale green sericite to 2 mm.  The matrix is composed essentially of fine grained quartz grains, locally carbonated.  Vesicles are carbonate filled (amygdules) up to 2 cm, elongated in the direction of foliation at 40° to core axis.							Pyrite 1% as above.
	3.0								
	155								
	3.0								
	155.8	Sharp Contact 40° to core axis.						155.8	Py 3%-5% as disseminations aggregates and irregular veins.
		PyP <sub>1</sub> Grey, grey-green carbonated locally sericitised feldspar crystal lithic tuff/coarse lithic tuff. Lithic fragments range from 0.5 mm to 3 cm, outlines are generally obscure. Fragments typically consist of porphyritic lava? (white carbonate aggregates)						157.3	Trace Sph, Gn as aggregates to 1 cm in a quartz-carbonate vein.
	3.15								
	159.0	Fragmental band of mixed fragment types, transported volcanic debris?						159.0	Py 10%-15% as disseminations, aggregates and irregular bands, trace Sph and Gn.
	160.05							160.05	Pyrite 3%-5% as above.
	3.1	to 2 mm after feldspar phenocrysts in a grey siliceous groundmass) of similar composition and texture as the matrix. Hence feldspar crystal tuff.  Below 160.05m grey locally carbonated and sericitised feldspar crystal lithic tuff agglomerate. Similar to above 159 m. Lithic fragments up to 10 cm are randomly distributed in a grey siliceous matrix.						163.0	Py 5%-10% as disseminations and aggregates.
	3.0							163.8	Py 3%-5% as above.
	165	Quartz-carbonate veins to 10 cm have been noted.							
	3.0								
	167.2	Grey carbonated and locally sericitised lithic tuff agglomerate. Lithic fragments are irregular in outline up to 6 cm, they consist of grey fine grained tuff and occasionally porphyritic lava (white carbonate aggregates to 2 mm represent feldspar phenocrysts).							
	0.75								
	3.0	The matrix is light grey in colour and although composed essentially of quartz is heavily carbonated.  There is a crude fragment alignment at 50° to core axis.						171.85	Py 10%-15% as irregular veins or stringers, including 2 cm Sph 15%, Gn 10% 1 cm stringer Sph 15%, Gn 10%.
	3.1							172.1	
	175							172.55	



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Shearing   
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		PyP <sub>1</sub> as above.							Pyrite 3%-5% as above.
	3.0	178.0						178.0	10 cm Py 15% trace Sph, Gn.
	3.0	180						180.2	Py 3%-5% as above, trace
		180.8						180.8	disseminated galena.
		182.0							Pyrite 3%-5% as above
		0 E.O.H.							