









# 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
2.0									Pyrite 1%-2% as above.
1.75	52	<u>Fault zone</u> Pug, 80% sheared and broken core, 40 to core axis.	BROKEN CORE						
	53.75								
2.5	55		BROKEN CORE						
3.3			BROKEN CORE						
	60	About 59 m there are minor bands of grey pyroclastic "conglomerate" of PyP <sub>1</sub> character, with mixed fragment types up to 2 cm.	BROKEN CORE						
3.0			BROKEN CORE						
3.0			BROKEN CORE						
	65		BROKEN CORE						
2.2			BROKEN CORE						
	70	68 - 72 m the rock has some PyP <sub>1</sub> character commonly grey in colour with mixed fragment types.	BROKEN CORE						
3.0			BROKEN CORE						
2.5			BROKEN CORE						
	75		BROKEN CORE						



# DIAMOND DRILL LOG

Hole No **QR 59**

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**Feature :** Bedding Shearing   
 Foliation Fault carbonate  
 Fragment-size & shape Vein 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		Below 76.1 m the rock is grey-green in colour, fragment outlines are commonly obscure.						76.1	Pyrite <1%.
0.6	77.3	<u>Fault</u> pug and broken core.							
	77.6								
1.4		Fractures 30° - 50° to core axis are common.							
1.7	80								
1.3									
1.8									
1.8	85								
2.6									
2.6	88.3	<u>Gradational Contact.</u>							
		DTL Buff carbonated <u>feldspar crystal tuff-lava.</u>							
2.8	90	Feldspar crystals are represented by white carbonate aggregates to 2 mm randomly distributed in a fine grained siliceous matrix or groundmass.							
		The rock is partly autobrecciated, grey in colour along fractures i.e. "fragment boundaries".							
3.0		Fractures at 50° to core axis.							
	95								
	95.3								
3.0		Green carbonated and chloritic DTL similar to above.							
		In this rock feldspar crystals appear to be replaced by aggregates of chlorite-illite.							
3.0									
	100								



# 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 REF'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
		DTL as above.							Pyrite < 1% as above.
3.0	101 - 104.6	Fragmental band, grey-green in colour, some PyP <sub>1</sub> characteristics, mixed fragment types mainly feldspar crystal tuff-lava some green porphyritic (white carbonate after feldspar) lava.							
3.0	105	Fractures 30° to core axis often carbonate lined.							
3.0	106.5 - 106.8	Buff coloured, carbonate and silica cemented breccia.							
3.0	106.8	Green-buff-grey carbonated locally chloritised feldspar crystal lithic tuff agglomerate-lava.							
3.0	110	Fragments to 5 cm are generally sub-rounded feldspar crystal tuff-lava of similar composition and texture to the matrix. (Fragment outlines are often obscure.)							
3.0	113.5 - 117	The rock is fractured, generally recemented with carbonate.							
2.5	115								
0.5									
1.2									
1.8									
1.5	119.6								
1.5	120	DTL DP Green-buff lithic feldspar crystal tuff agglomerate, possibly an altered DP variety.							
1.5		Fragments are irregular to sub-rounded to 5 cm are green (chloritic) porphyritic lava, commonly buff in colour.							
1.5		The matrix is pale green siliceous and carbonate rich, in places distinctly "ashy".							
1.5		Fractures subparallel to core axis.							
	125								





# DIAMOND DRILL LOG

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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 RECD	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
2.45	151.2	DP as above. Grey-buff lithic tuff agglomerate. The rock is not unlike some PyP <sub>1</sub> and PyP <sub>2</sub> types.	DP Py C Q						Py 1%-2% as above.
3.0	Irregular to sub-rounded fragments of buff feldspar crystal tuff-lava are randomly distributed in a grey pyritic and siliceous matrix. Weakly sheared and fractured at 10°-50° to core axis.							151.2 Py 3% as disseminations and aggregates.	
0.45	155	No Core. Set Clappison Wedge.							
1.7	157.2	Similar to above 155 m. Green chloritic locally carbonated lithic tuff agglomerate.	DP Py C Q						Py 1%-2% as disseminations and aggregates.
2.0	160	Fragments appear to be feldspar crystal tuff-lava, green in colour due to chlorite alteration, feldspar crystals are replaced by aggregates of chlorite-sericite to 3 mm.							
1.35	The matrix is fine grained and siliceous								
1.65	163.3 m	Flourite (lilac) to 5 mm within a carbonate vein.							
2.4	165	Chlorite-carbonate lined slickensides associated with a quartz carbonate vein.							
0.6	0.75								
1.1	1.2								
1.2	170	Gradational Contact.							Py 3% as above.
2.55	DP>DTL	The rock is similar to the DP above and PyP <sub>2</sub> rocks on the basis of increased pyrite content and decreased chlorite alteration, similar to DTL types on the basis of buff coloured fragments of feldspar crystal tuff-lava.	DP Py C Q						
0.45	Buff-grey carbonated lithic tuff agglomerate.								
3.0	175	The fragments of DTL are irregular in outline "shredded" (a shearing effect)							





# 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	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
		200.2 - 201 m Carbonate cemented breccia.							Py 3% as above.
2.45		The matrix appears to be of similar composition and texture to the fragments, feldspar crystals within the matrix are represented by aggregates of chlorite-sericite to 3 mm.							201.0 Py 1%-2% as disseminations and aggregates.
0.55		Some fragments of grey-green DTL contain numerous rounded carbonate aggregates-interpreted as vesicles.							
2.0		Fractures are commonly sub-parallel and at 50° to core axis.							
1.0	205								
1.5									
1.5									
3.0	210								
2.2		213 - 213.5 m Carbonate cemented breccia.							
0.8	215								214.8 Py 3%-5% as disseminations and aggregates.
3.0									
3.0	220								
3.0									
	225								





# DIAMOND DRILL LOG

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Feature : Bedding   
 Foliation   
 Fragment - size & shape

Shearing   
 Fault   
 Vein c carbonate  
 q quartz

Mineralization : Trace 1 5%  
 Common 5 15%  
 Abundant 15 40%  
 Massive > 60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	MINERALIZATION			DEPTH m
				TRACE	COMMON	ABUNDANT	
		The rock appears to be a hybrid mixture of DTL and PyP <sub>1</sub> types - classified PyP <sub>1</sub> on the basis of increased pyrite content and grey colouration. The rock has a mottled appearance due to green sericite aggregates after feldspar phenocrysts in "porphyritic" lava fragments, or an autobrecciated lava.					Py 5%, locally 10% as above.
3.0						253.5	Py 60% as disseminations and aggregates.
						254.24	
		The rock has a mottled appearance due to carbonate.				254.8	15 cm Py 40%.
3.0	255	The matrix is grey and siliceous, often carbonate rich.					Pyrite 5%, locally 10% as above.
		There is a weak foliation at 30° to core axis.					
3.0							
	260						
3.0							
1.8							
	265					264.9	Py 20%, locally 50% as disseminations, aggregates and irregular veins of fine subhedral to euhedral crystals.
3.0							
1.2							
	269.55						
1.1	270	Fault zone. Pug, 60% sheared and broken core at 60° to core axis.					
0.8	270.8					270.8	Py 5% as disseminations and aggregates.
		Grey-buff locally carbonated and sericitised lithic tuff agglomerate. Lithic fragments are typically buff in colour - altered porphyritic lava with pale green sericite aggregates to 3 mm after feldspar phenocrysts. The fragments are from 0.5 mm to 10 cm, outlines are irregular.					
3.0		The matrix is grey and siliceous locally carbonated.				273.5	Py 30% locally 60% as disseminations, irregular veins and aggregates.
	275						



# DIAMOND DRILL LOG

Feature : Bedding   
 Foliation   
 Fragment - size & shape

Shearing   
 Fault   
 Vein 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	PyP <sub>1</sub> as above.							Pyrite 30%, locally 60% as above.
	3.05	Minor pink carbonate (rhodochrosite) along fault plane.							
	280	There is a weak foliation at 35° to core axis.							
	3.05								
	285								
	3.05								
	285.75								Py 30%, Sph 1%-3%, Gn 1%-2% as disseminations and aggregates in a carbonate rich matrix.
	285.10								Py 20%, locally 60%.
	286.5								15 cm Py 50%, Sph 1%-2%, Gn 1%.
	3.2								
	290								
	3.0								
	291.2								Pyrite as above, trace
	291.4								Sph, Gn.
									Pyrite 5%, locally 10% 40%.
	3.0								
	295								
	1.5								
	1.2								
	0.7								
	299.2								
	300	Grey-green carbonated locally sericitised and chloritised lithic tuff agglomerate.							







# DIAMOND DRILL LOG

Feature : Bedding Shearing   
 Foliation Fault  $F$   
 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
		PyP <sub>1</sub> as above. Below 351 m sericite - carbonate - chlorite alteration is common.							Pyrite 5% locally 20%-30% rare Sph, Gn, as above.
3.1									
1.4	355								
	356.2	Contact 50° to core axis.						356.2	Py <1% as discrete euhedral crystals and occasional aggregates to 5 mm.
3.0	357.7	DTL/FT Buff carbonated vesicular feldspar quartz crystal tuff-lava. Feldspar crystals are represented by small aggregates of sericite. Amygdules of white carbonate. Contact 30° to core axis. PyP <sub>1</sub> as above 356.2 m. Fragment outlines are generally obscure.						357.7	Pyrite 5% locally 20%-30% rare Sph, Gn, as above.
3.0	360	Minor secondary carbonate aggregates and veinlets are common.						360.7	Py 10%, Sph 8%, Gn 5%.
		360.7 - 366.7 m Aggregates and stringers? of base metal sulphides. Possibly? Q lens position.						361	
								361.75	Py 10%, Sph 8%, Gn 5%, as disseminations and aggregates.
								362.55	
3.0								363.7	3 cm Py 50%, trace Sph, Gn.
								364.4	2 cm Sph 15%, Gn 5%.
	365								
3.0								366.7	3 cm Sph 20%, Gn 3%.
	370								
	371	E.O.H.							