

# Drill Hole Record

# Cominco

LOCATION Que River Area

PROPERTY Mackintosh EL 2/70

DISTRICT Tasmania, Australia ALTITUDE /RL 662.9

HOLE N° QR 21

COMMENCED 18.2.1975

COMPLETED 21.2.1975

CORE SIZE NQ to 83.37 m BQ to 184.62 m E.O.H.

DATE 22.2.1975

OBJECTIVE To test a coincident I.P. and Geochemical anomaly.

%RECOVERY 98%

CO-ORDINATES 8397.7N 4975.4E

LOGGED C.H. Young

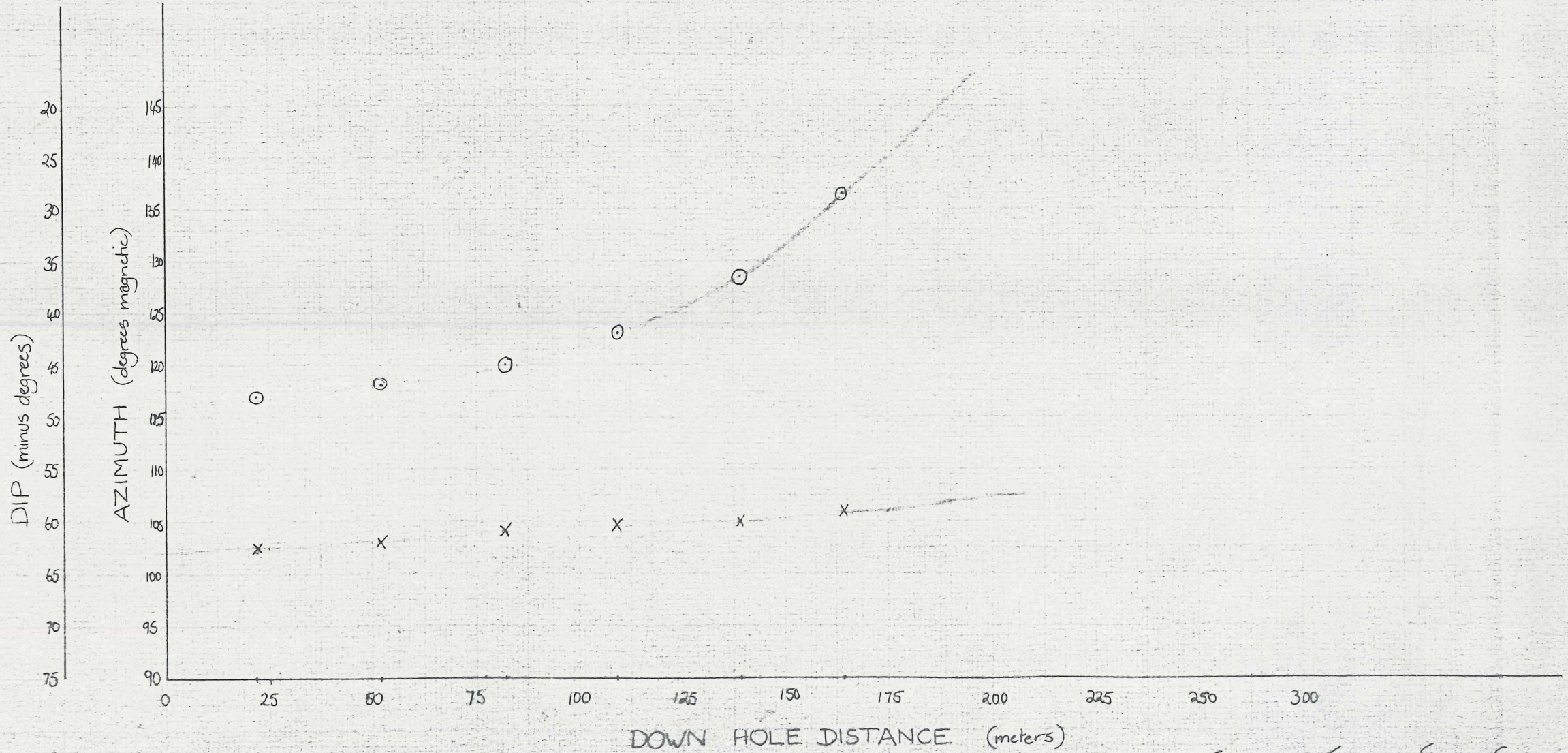
GRID BEARING (M) 8.75°

BEARING (M) 102°

DIP -49.5°

SURVEY DATA				GRAPH DERIVED DATA					REMARKS	
DEPTH	DIP	BEARING(M)	INSTRUMENT TYPE	DEPTH	DIP	BEARING(M)	NORTHING	EASTING		ALTITUDE
0	49.5	102	Compass and Clinometer	0	49.5	102	8397.7	4975.4	662.9	
22	48	102.5	Eastman	25	48	102.5	8396.6	4991.8	644.1	
52	47	103	Single Shot	50	47	103	8395.5	5008.6	625.6	
82	45	104	Camera	75	45.5	103.5	8394.1	5025.9	607.6	
109	42	104.5	" "	100	43.5	104.5	8392.5	5043.6	590.1	91.4 - 91.9 m Pyrite 30%.
139	36.5	105	" "	125	39.5	105	8390.5	5062.2	573.5	
169	28.5	106	" "	150	33.5	105.5	8388.2	5082.2	558.7	155.8 - 157.9 m Very minor zones of disseminated galena.
				175	25	106	8385.6	5103.8	546.5	
				184.62	22.5	106.5	8384.4	5112.5	542.6	

QR 21.






Eastman Single Shot Camera



○ DIP





# 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
	50.2								Pyrite as above.
1.0		Below the fault the unit is fragmental, grey siliceous lithic pumice tuff agglomerate. Very pale grey-green pumice fragments tend to have ragged outlines sometimes filamentous and are generally up to 5 cm in size. They characteristically contain lenticular aggregates of pale grey sericite. Occasional patches of green illite-hydromuscovite have been noted. The fragments are often completely sericitised and dark grey in colour. Lithic fragments with irregular outlines consist of grey to buff coloured dacitic lava, dark grey fine grained tuff and small pyrite fragments. Some fragments have the appearance of porphyritic rhyolite described by petrology QR 14 286.8 m.	F						
2.6			F						
55			F						
2.4			F						
3.1		Weak foliation 60° to core axis.	F						
1.1	60		F						
3.0			F						
65			F						
3.0			F						
3.0			F						
70			F						
3.0			F						
3.0			F						
75			F						

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
		Lithic pumice tuff agglomerate as above.				Pyrite as above.
	3.0					
	80					
	3.0					
	1.3	83.1 - 84 m small carbonate stringers are common.				
	1.6					
	85					
	3.0					
	90					
	3.0	91.9 - 92.4 m Disrupted chert and fine tuff bands 60° to core axis.				91.4 Pyrite 30% as an irregular vein of subhedral to euhedral crystals to 2 mm.
	3.0	Below 92.4 m the rock is generally a coarse tuff not tuff agglomerate. Small fragments (to 3 cm) of filamentous pumice are now common.				91.9 Pyrite 5% - 10% as above.
	95					
	3.0					
	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%


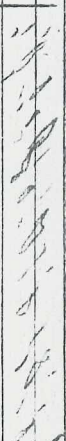




CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
	3.0	101.3 m minor band of disrupted chert with secondary pyrite.	[Handwritten symbols]						Pyrite 5%, 10% where indicated as above. Rare secondary galena has been noted.
		102.3 - 103 m disrupted chert and highly sericitised pumice, weakly carbonated.	[Handwritten symbols]					102.3 103	Pyrite 40% irregular veins and aggregates of fine subhedral to euhedral crystals.
	3.0	Weak foliation and bedding at 40° to core axis.	[Handwritten symbols]					105	
	3.0	Below 107 m tuff agglomerate as described above.	[Handwritten symbols]						
	3.0		[Handwritten symbols]					110	
	3.0	113.8 - 115.9 m coarse agglomerate, fragments to 15 cm in a matrix of small fragmental material.	[Handwritten symbols]						
			[Handwritten symbols]					115	
	3.0		[Handwritten symbols]						
	3.0		[Handwritten symbols]					120	
	3.0		[Handwritten symbols]						
	3.0		[Handwritten symbols]					125	

# 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
	3.0	As above.						Pyrite 5%, 10% where indicated as above.
	3.0	129						
	3.0	130	Below 129 m the rock is generally disrupted and locally sericitised lithic tuff agglomerate, essentially similar to above. (Fragment outlines are a little more diffuse, the rock is now most likely an agglomerate - lava).					
	3.0	135						
	3.0	140						
	3.0	145						
	3.0	150						

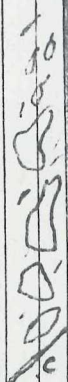
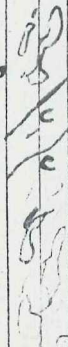




Feature :

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
	3.0	As above.				Pyrite 5%, 10% where indicated as above.
	155.2	<b>Gradational Contact.</b> Mottled pale grey weakly carbonated coarse <u>lithic tuff</u> . Partly disrupted, this unit has a rather mottled appearance, fragment outlines are obscure. The lithic fragments appear similar to the porphyritic rhyolite as noted by petrology QR 14 286.8 m, they are nearly buff in colour, contain irregular sericite aggregates to 3 mm commonly dusted with pyrite. Small carbonate? flecks after feldspar, have been noted.  Aggregates of green illite-hydro-muscovite have been noted.			155.8 156.5 157.2 157.4 157.8 157.95	Pyrite 10%. Fine to medium grained disseminated galena 5%. Trace chalcopyrite and sphalerite associated with carbonate and sericite alteration.
	160					Pyrite 5%, 10% where indicated as above.
	165				164.9 165.1	Pyrite 10% disseminated galena 5% trace chalcopyrite.  Pyrite 5%, 10% where indicated.
	167.5	<b>Gradational Contact.</b> Dark grey-green <u>lithic tuff - tuff agglomerate</u> . A rather varied unit, locally weakly chloritic, imparting the greenish colour. The fragments are generally sub-rounded grey, mottled to 5 cm with pale green sericite aggregates. A large (to 6 cm) green coloured, highly sericitised fragment with white carbonate spots is common. Other fragments are dark grey and highly sericitised. The matrix is fine grained and ashy.  Carbonate spotting is common.			167.5	Pyrite 3% as irregular veins, aggregates and disseminations within the matrix, often as discrete euhedral crystals to 2 mm.
	170					
	175					

# DIAMOND DRILL LOG

Hole No. QR 21 Page No. 8.

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
	3.0		P						Pyrite 3% as above.
	3.0	180	P						As above.
	3.0		P						
0.62	184.62	E.O.H.	P						
	185		P						