Comineo

DRILL HOLE RECORD

Location Que River Area **Property** Mackintosh EL 2/70 **District** Tasmania, Australia **Bearing (M)** 96° 49' **Hole No** QR 58 D

Commenced 5.8.1975 **Completed** 8.8.1975 **% Recovery** 99 **Grid bearing (M)** 8.75° **Date** 11.8.1975

Objective To test P south lens at RL 590 and Q lens at RL 585. (Development). **Core size** NQ to 186.25 m E.O.H. **Logged** C.H. YOUNG

Co-ordinates 7399.38N 5064.71E **Dip** 48° 40' **Alt./R.L.** 700.26

SURVEY DATA				GRAPH DERIVED DATA			CALCULATED CO-ORDINATES			REMARKS
DEPTH	DIP	BEARING(M)	INSTRUMENT TYPE	DEPTH	DIP	BEARING(M)	NORTHING	EASTING	ALTITUDE	
0	50	99	Clinometer & Tube Compass	0	48.75	96.75	7399.4	5064.7	700.3	
0	48° 49'	96° 49'	Theodolite	25	50	99	7399.7	5081.0	681.3	
59	50	106	Eastman	50	50	101	7399.3	5097.0	662.2	
98	46	110	Single Shot	75	51.5	103.5	7398.3	5112.8	642.8	
129	38.5	110.5	Camera	100	44.5	105	7396.7	5129.4	624.3	150.5 - 160.7 m Interpreted P lens massive
164	37.25	111	" "	125	40	105.5	7394.6	5147.8	607.5	base metal sulphides.
186	36	110	" "	150	37	106	7392.2	5167.2	592.0	160.7 - 163 m Disseminated base metal
				175	36	106	7389.7	5187.1	577.1	sulphides.
				186.25	36	105.5	7388.6	5196.1	570.5	180.5 - 182.65 Semi-massive pyrite and associated base metal mineralization.

Dominion

DIAMOND DRILL LOG

Hole N° QR 58 Page N° 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
	5	No Core.							
	10								
	15								
	20								
	25								

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DIAMOND DRILL LOG

Hole N° QR 58 Page N° 2.

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
	30	No Core.							
	35								
	40								
	45								
	50								

Common

DIAMOND DRILL LOG

Hole No QR 58 Page No 3.

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	DEPTH m	MINERALIZATION
		No Core.			
	52.6				
2.9		MTL→DTL The rock does not appear to be weathered. Buff to brown carbonated feldspar crystal tuff-lava. Feldspar phenocrysts are small <2 mm and randomly distributed, represented by carbonate aggregates, occasionally sericite.			Pyrite rare.
	55				
3.0		The matrix, groundmass is fine grained and siliceous. The rock is weakly magnetic.			
	59.65				
1.7	60	DTL Pink to buff occasionally green carbonated feldspar crystal tuff-lava. Similar to the rock above although more heavily carbonated. Carbonate veinlets and stringers to 0.5 cm are common.			
0.7					
3.0		There is a weak flow banding 20° - 50° to core axis. 64.8 m 2 cm carbonate cemented breccia.			
	65				
3.0					
3.0	70	70 - 71 m Green in colour - chlorite alteration?			
3.0		71.5 - 72 m The rock is partly brecciated cemented with both carbonate and chlorite.			
	75				

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DIAMOND DRILL LOG

Hole No QR 58 Page No 4.

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									Pyrite rare as above.
		From 72 - 96.5 m the rock is uniform pink - buff feldspar crystal tuff-lava.							
3.0		Flow banding at various angles to core axis.							
	80	The rock appears to be competent lengths of unbroken core to 80 cm are not uncommon. There is a jointing or fracture at 50° to core axis.							
3.0									
3.0									
	85								
3.0									
	90	90 m Chlorite lined fractured zone 40° to core axis.							
3.0									
		Below 92 m there are irregular patches up to 40 cm brown in colour and weakly magnetic. This suggests that the magnetite is a secondary alteration phenomenon.							
3.0		Fragments (flow breccia) up to 3 cm of feldspar crystal tuff-lava of similar composition and texture to the groundmass has been noted.							
	95								
3.0	96.5	MTL Buff to dark brown carbonated <u>feldspar crystal tuff-lava</u>.							
		Similar to the rock above. Feldspar phenocrysts are represented by aggregates of white carbonate < 2 mm.							
3.0		The rock is brown due to fine grained magnetite.							
	100								

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DIAMOND DRILL LOG

Hole Nº QR 58 Page Nº 5.

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		MTL as above. Small "flow breccia" fragments to 1 cm have been noted.	c						Pyrite rare as above.
3.0	105								
3.0	107	DTL Pink-buff carbonated feldspar crystal tuff-lava. Similar to the rock above. Small "flow breccia" fragments have been noted as has a random distribution of fine grained magnetite.	c c						
3.0	110	MTL Brown - buff carbonated feldspar crystal tuff-lava. As above. Brown in colour due to the presence of fine grained magnetite. This unit includes approximately 1 m of non-magnetic DTL.	c c q						
3.0	114.4								
3.0	115	DTL Buff-Pink carbonated feldspar crystal tuff-lava. As above. Minor carbonate veinlets are common. Fractures generally 50° to core axis. There are occasional carbonate-chlorite lined fractures at 15° to core axis.	c						
3.0	118.2	MTL Brown to dark green carbonated and locally chloritised feldspar crystal tuff-lava. As above.							
3.0	119.5 120	DTL Buff to pink carbonated feldspar crystal tuff-lava. Similar to above. Occasional small < 2 mm chlorite aggregates may represent feldspar. There is a weak flow banding at various core angles, average 30° to core axis.							
3.0									

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DIAMOND DRILL LOG

Hole N° QR 58 Page N° 6.

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	DEPTH m	MINERALIZATION
3.0		Below 125 m irregular carbonate aggregates to 5 mm become common. These may be replaced fragments but more likely represent deformed carbonate filled vesicles, generally aligned parallel to the foliation at 30° - 60° to core axis. Fractures at 30° - 50° to core axis are occasionally chlorite lined.	C		Rare pyrite as above.
3.0	130		C		
3.0					
3.0	135				
3.0					
3.0	140	Below 140.8 m the rock is fine grained - carbonate aggregates (vesicles) are absent. Flow banding? at 60° - 80° to core axis.			
3.0	145		C C		
3.0	146.6	Contact 70° to C.A.	F F F F F	146.6	Pyrite 3%-5% as disseminations and aggregates.
	150	PyP1 Grey silicified and sericitised lithic tuff/coarse lithic tuff. Fragments irregular to sub-rounded from 0.5 mm to 2 cm consist of sericitised trachyte?, grey feldspar crystal tuff-lava, occasional grey recrystallised chert and minor pyrite.			

DIAMOND DRILL LOG

Hole N° QR 58 Page N° 7.

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	DEPTH m	MINERALIZATION
3.0	150.5	The matrix is fine grained and siliceous. Massive Sulphides. Interpreted P lens. The sulphides are generally banded at 50° - 60° to core axis.		150.5	Massive banded (deformed) sulphides. Py 20% - 30% locally 60% as very fine aggregates and massive bands. Some colloform textures and irregular veins have been noted. Sph 20%-25% locally 60% pale brown - red brown to dark grey as bands and aggregates. Gn 10%-15% as disseminations and irregular veinlets and bands, often recrystallised. Cpy < 1% as occasional aggregates up to 5 mm.
3.0	155				
3.0					
2.0	160				
1.0	160.7	Disseminated sulphides in a grey sericitised lithic tuff matrix.		160.7	Py 5%-10% as disseminations, aggregates and irregular veins. Sph 5%-10% as disseminations and aggregates to 1 cm, Gn 5%.
3.0	163	Grey sericitised lithic tuff agglomerate similar to above.		163.0	Py 5%-10% as disseminations aggregates and irregular veins of fine subhedral to euhedral crystals, trace Sph, Gn.
	164			164	
	164.4				
	164.7	Fault Fug at 50° to core axis.			164 - 167.3 m as above, rare Sph, Gn.
3.0	165	The rock is locally intensely sericitised and sheared, occasionally carbonate rich. Fragments are irregular in outline up to 5 cm, porphyritic lava? and completely sericitised. Fragment outlines are generally obscure. The matrix is grey and siliceous sericitised and pyritised.		167.3	Py 3%-5% as disseminations and aggregates.
3.0					
	170	Foliation 50° - 60° to core axis.			
3.0				172.0	Py 10% as disseminations aggregates and irregular veins.
				173.4	Py 3%-5% as above.
3.0				174.0	Py 5%-10% as disseminations, aggregates and irregular veins.
	175				

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DIAMOND DRILL LOG

Hole N° QR 58 Page N° 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	MINERALIZATION
	175.7	PyP_1 as above.	Pyrite 5%-10% as above.
		Fault zone Pug, sheared and broken core, 50° to core axis.	176 Pyrite 5% as disseminations and aggregates.
3.0	177	The rock is now grey locally sericitised and carbonated lithic tuff agglomerate/ agglomerate.	
		Fragments are generally sub-rounded up to 8 cm; light grey feldspar crystal tuff-lava (feldspar phenocrysts represented by aggregates of pale green sericite) and sericitised porphyritic lava? (phenocrysts are commonly replaced by carbonate.)	178.6 Py 10% trace Sph and Gn as disseminations and 179.25 aggregates. Pyrite 5% as above.
3.0	180		180.5 Py 30%, 60% where indicated, Cpy 1%-3% Trace Sph, Gn as disseminations and aggregates.
		The matrix is often pale blue-grey in colour due to ultra fine pyrite and is siliceous.	182.65 Pyrite 3%-5% as disseminations and aggregates.
3.0		178.6 - 179.25 m Sericitised sheared and disrupted at 40° to core axis, locally carbonated.	
	185	180 m 15 cm heavily sericitised.	
1.2		180.5 - 182.65 m heavily sericitised as matrix to semi-massive sulphides.	
	186.2	E.O.H.	