Cominco

DRILL HOLE RECORD

Location Que River Area **Property** Mackintosh EL 2/70 **District** Tasmania, Australia **Bearing (M)** 272° 10' **Hole No** QR 70 A

Commenced 14.9.1975 **Completed** 15.9.1975 **% Recovery** 91 **Grid bearing (M)** 8.75 **Date** 17.9.1975

Objective To test for P lens at RL 675 section 7450N. **Core size** NQ to 47 m E.O.H. **Logged** C.H. YOUNG

Co-ordinates 7449.8N 5195.1E **Dip** 43°44' **Alt./R.L.** 704.34

SURVEY DATA				GRAPH DERIVED DATA			CALCULATED CO-ORDINATES			REMARKS
DEPTH	DIP	BEARING(M)	INSTRUMENT TYPE	DEPTH	DIP	BEARING(M)	NORTHING	EASTING	ALTITUDE	
0	43°44'	272°10'	Theodolite	0	43.75	272	7449.8	5195.1	704.3	
22	44.5	279	Eastman	25	44	271	7447.7	5177.2	687.0	
41	44	279.5	Single Shot Camera	47	44	272	7445.8	5161.5	671.7	41.0-44.5 m PyP_1 unit containing disseminated, semi-massive and massive base metal sulphides.

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DIAMOND DRILL LOG

Hole N° QR 70 | 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.			
	6.0				
0.9		MP Deeply weathered, kaolinised and iron stained down to 14.3 m. Local aggregates of green illite-hydro-muscovite are visible in the weathered zone. Below 14.3 m the rock is grey-green locally carbonated <u>lithic tuff agglomerate</u>.			Pyrite 1%-3%, interpreted from boxworks, the abundance of iron staining and as disseminations, aggregates and occasional fragments.
2.0	10	Lithic fragments are from 0.5 mm to 6 cm irregular to sub-rounded and are typically of amygdaloidal lava, amygdules (vesicles) are filled with white carbonate, considered to be of hydrothermal origin. Fragments of tuff and pyrite are less abundant.			
2.5		The matrix is generally siliceous and contains varying proportions of granular carbonate.			
2.2	15	Foliation 50° to core axis.			
0.8		Fracture 40° - 60° to core axis.			
1.7		The rock exhibits numerous leached cavities up to 1 cm, probably ex carbonate.			
1.3	20				
3.0		24.3 - 26.95 m The rock is deeply weathered, iron stained and partly kaolinised, possible fracture zone.			
2.8	25				

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DIAMOND DRILL LOG

Hole N° QR 707 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	DEPTH m	MINERALIZATION
0.45		MP as above.	BROWN GRAB CORE		Pyrite 1%-3% as above.
2.3					
1.7	30				
1.3		The rock is locally weathered, iron stained on fractures down to 33.7 m.			
3.0				33.7	Py 3%-5% as above.
	34.05	Gradational Contact 50° to C.A.		34.05	
3.0	35	DTL Buff-grey carbonated feldspar crystal tuff-lava. Essentially a fine grained lava, feldspar phenocrysts to 2 mm are represented by aggregates of white carbonate and pale green sericite randomly distributed in a groundmass composed mainly of quartz - although heavily carbonated.			Py 2% as disseminations and irregular veins of fine subhedral to euhedral crystals.
3.0		There is a crude concentric alteration of grey colouration produced by ultra fine pyrite.			
	40	Foliation and possible flow-banding 50° to core axis. Fractures 40° - 60° to core axis.			
	41.0			41.0	Py 10%-15%, Sph 8%, Gn 5% as disseminations, aggreg-
2.1		PyP 1 Blue-grey sericitised and locally carbonated coarse lithic tuff. Lithic fragments from 0.5 mm to 3 cm are irregular in outline, grey sericitised trachyte?, grey tuff, recrystallised chert and pyrite. The matrix is silice-		41.85	ates and irregular veins
				42.6	Py 10%-20%, Sph 15%-40%, Gn 10%-15% as a band at 55° to C.A.
0.8		ous and sericitised.			Py 10%, Sph 3%-5%, Gn 1%-2% as disseminations
	44.5			44.5	aggregates and irregular veins.
2.0	45	DTL Buff carbonated feldspar crystal tuff lava. Essentially a fine grained lava with occasional small feldspar phenocrysts represented by aggregates of pale green sericite.			Py <1% as disseminations of fine subhedral to euhedral crystals.
0.3					
	47.0	E.O.H. The matrix or groundmass is composed mainly of quartz and is altered by carbonate. 45.2 - 46.24 m The rock is locally brecciated, quartz - chlorite veining is common at approx. 40° to core axis. Possible fault zone.			