Drill Hole Record

Property Mackintosh EL 2/70 | District Tasmania, Australia | Hole No. QR6

Commenced 19/6/74 | Location Que River Area | Tests at with tropari | Hor. Comp.

Completed 25/6/74 | Core Size NQ to 45.75, BQ to completion | Corr. Dip | Vert. Comp.

Co-ordinates 5325E 7200N | True Brg. | Logged by BHS

Objective To test a C horizon lead anomaly and the southern limit of an EM conductor | % Recov. 100 except as specified | Date 16/8/74

Claim | T. Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet

Analysis NOT ASSAYED

Footage From	Footage To	Description	Metres To	Metres From		Sample No.	Length
		SURVEYS: Surface minus 50°, 286° magnetic					
		40.75m " 50°, 287° "					
		87.80 " 45°, 290° "					
		113.75 " 40°, 293° "					
		Similar rock types indicated by T1, T2, etc.					
0	13.45	No recovery					
13.45	21.35	Oxidised orange-buff fine grained sericitic					
Core Recovery		volcanic - tuff, locally a lithic tuff.					
13.55	to 15.70	Core very broken. Much iron oxide on fracture					
(2.15)		surfaces.					
Rec. 0.70							
19.65	to 21.35						
(1.70)							
Rec. 0.90							
21.35	52.20	(Locally vesicular), lithic feldspar crystal					
Core Recovery		tuff - ash flow tuff. Foliation (bedding?) 60°					
24.40	to 25.90	to core axis. Rock is variably oxidised after					
(1.50)		chlorite alteration to 38.10. Vesicles contain					
Rec.	< 1.00	quartz dominantly. Carbonate also present in					

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Cominco

Property	District	Hole No.	
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Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim	T. Brg.	Collar Dip	Elev.	Length	Hole No.	Sheet

Footage Metres From	To	Description	Metres To	From		Sample No.	Length	Analysis
		veins and aggregates.						
25.90	to 26.80	Core is very broken and rubbly						
(0.90)								
Rec. 0.50								
26.80	to 28.95	Below 38.10 the rock is fresh grey-green and the	38.30	- 52.20	5-10% pyrite throughout as			
(2.15)		texture readily apparent, - lithic tuff. The			stringers (disrupted layers?)			
Rec. 0.60		rock fragments appear amoeboid and disrupted.			of fine subhedral crystal			
28.95	to 30.30	Irregular veinlets and clots(up to 1cm) of car-			aggregates.			
(1.35)		bonate and quartz from $\ll$ 5% by volume. - ash						
Rec. 0.50		flow tuff.						
30.30	to 31.25	The rock texture becomes steadily coarser so						
(0.95)		that by 49m it may be termed an agglomerate.						
Rec. 0.30								
31.25	to 35.65	The fragments contain sericitised glassy chips						
(4.40)		of 1-2mms.						
Rec. 1.80								
38.10	to 40.25	In addition to areas of core loss, broken core						
(1.15)		(faulting) occurs at:-						
Rec. 0.40		46.65 to 47.25 shearing at 50° to core axis						
41.75	to 43.00	48.20 - 1cm pug at 50° to the core axis						
(1.25)		51.70 to 54.15 (in next unit)sheared,broken						
Rec. 0.20								

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Co-ordinates				True Brg.	Logged by
Objective				% Recov.	Date

Claim	T. Brg.	Collar Dip	Elev.	Length	Hole No.	Sheet

Footage Metres From	To	Description	Metres To	From		Sample No.	Length	Analysis
44.85	to 45.65							
(0.80)								
Rec. 0.25								
52.20 -	54.09	Strongly sheared zone - FAULT - in fine	52.20 -	54.04	2-5% pyrite as irregular			
		grained lithic crystal tuff.			veinlets.			
		Shearing is 30-70° to core axis variably.						
		Broken sheared core alternates with pug zones.						
		Quartz, carbonate and chlorite are located in						
		veins and fractures.						
54.09 -	58.95	Fine grained grey lithic feldspar crystal tuff	54.09 -	64.60	≪ 2% pyrite as < 0.5mm crystals			
		Foliation revealed by orientation of 1-5mm			and as irregular veinlets with			
		fragments is 60° to core axis			quartz and carbonate			
58.95 -	76.60	Medium grained greenish grey lithic crystal tuff						
		Fragments up to 2cms, rarely 5cms. Alignment of						
		fragments is 45° to 65° to core axis. 15cm fine	64.60 -	70.00	< 2% pyrite total, but occurs as			
		lithic tuff band at 69.45 is 45° to core axis.			random bands and aggregates of 80%			
		Quartz and quartz-carbonate veining is present			pyrite over < 10cm intervals, com-			
		throughout (av. 5%) as tension crack fillings.			prised of fine (< 1mm) euhedral			
					and subhedral crystals, with yellow/			

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Claim | T. Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet

Footage Metres From	To	Description	Metres To	From		Sample No.	Length	Analysis
					orange carbonate and quartz.			
			70.00	74.00	Av. 10% pyrite, comprised of <10cm			
					intervals of massive pyrite as above.			
			74.00	82.22	<2% pyrite, rare massive crystal			
76.60	81.19	Interpreted as a flow banded fine lithic tuff			aggregates.			
		with marked vesicular character, particularly						
	T3	in the top half of the unit.						
		The upper half is light grey, the lower yellow-						
		ish green. Fragments (up to 5cms) and beds(?)						
		of siliceous medium grained lithic tuff occur						
		irregularly. Bedding is 60° to core axis.						
		Vesicles and veins are often extended in this						
		plane. Flow banding is observable around large						
		fragments. Vesicles are filled with either						
		quartz or carbonate.						
81.19	82.22	Alternating chloritic schist and siliceous						
Minor core		lithic tuff in FAULT ZONE.						
loss								

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Claim	T. Brg.	Collar Dip	Elev.	Length

Footage From	Footage To	Description	Metres To	Metres From		Sample No.	Length	Analysis
82.22	-87.30?	Dominantly chloritised lithic tuff (T2)with	82.22	- 87.30	30% pyrite, as zones of massive			
Core Recovery		short intervals of weakly chloritic lithic tuff.			80% pyrite - euhedral to subhedral			
85.85	to 88.75	Richly pyritic. Crude foliation (bedding) is			< 1mm crystals with chlorite and			
(2.90)		35 - 65° to core axis. Quartz and carbonate			carbonate.			
Rec. 2.40		occur in veinlets and stringers.						
?87.30	-108.05	Tuff agglomerate: subangular fragments of dark	87.30	-107.40	< 2% pyrite generally with narrow			
		grey colour in a light grey feldspathic(?)			< 5cm bands of massive (60%+)			
		matrix.			pyrite (with interstitial carbonate)			
		Faulting 105.31 pug			at 50cm to 1m intervals. The bands			
					are subperpendicular to the core axis			
					and are commonly chloritic. Pyrite			
					also occurs in tension cracks.			
			107.90	-129.00	< 2% pyrite in veinlets and			
108.05	-120.13	Vitric rhyolite or very fine lithic tuff. Grey-			stringers, rare 1-2cm bands of 60%			
Core Recovery		pink colour locally and texture similar to			plus pyrite with massive chlorite,			
112.05	-112.50	"vitric volcanics" in QR1, 2, and 4, east of			minor sphalerite.			
(0.45)		eastern mineralisation. (No correlation implied)						
Rec. 0.10		Foliation is 45° to core axis (alignment of						
		irregular sericite lenticles)						
Similar to T5		Faulting indicated by shearing and pug at:						
		108.83, 110.90, 112.05 to 112.50, 112.65 to						

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Objective		% Recov.	Date

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Footage From	Footage To	Description	Metres To	Metres From		Sample No.	Length	Analysis
		113.90 intermittent pug, 117.54.						
120.13	138.74	Medium to coarse lithic tuff. Initially, to						
		125m it is light grey and siliceous; it then						
		becomes progressively darker grey feldspathic(?)						
		and increasingly sericitic. Individual fragments						
		are difficult to distinguish. More siliceous						
	T1	fragments can be seen to be of fine lithic tuff.						
		Foliation (cleavage) is 75° to core axis.	129.00	139.34	< 1% finely disseminated pyrite			
		Minor random carbonate veining.						
		Faulting indicated by pug zones:						
		124.80, 124.85, 125.00						
		126.20 to 127.40 broken core						
		128.15, 128.35, 128.75, 129.45, 132.70,						
		137.10 to 137.80 carbonate veining.			minor sphalerite in carbonate vein.			
138.74	139.34	Shaly reworked lithic tuff with some sulphide			occasional pyritic fragments			
		fragments and grey disrupted (slumped?) shale.						
139.34	150.95	Lithic tuff characteristically very rich in white	139.34	150.95	Pyrite locally 20% as fragments or			
		carbonate, - particularly carbonate rich frag-			bands associated with chlorite,			

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Footage Metres From	To	Description	Metres To	From		Sample No.	Length	Analysis
		ments. Also contains pyrite fragments. Colour			but typically 5% as grain aggregates			
		is mid- to dark grey with white spotting and			(fragments?) disseminated grains			
		mottling. Intense chlorite and sericite devel-			and stringers.			
		opment is patchy. Foliation is 70° to core axis.						
		END OF HOLE 150.95						

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