



DRILL HOLE RECORD

Location Quo River Area

Property Mackintosh EL 2/70

District Tasmania, Australia.

Bearing (M) 99° 31'

Hole No QR 53 D.

Commenced 24.7.1975

Completed 27.7.1975

% Recovery 92

Grid bearing (M) 8.75

Date 5.8.1975

Objective To test P south lens at 7200N RL 650.
(Development)

Core size NQ to 85 m E.O.H.

Logged E.H. SKEY

Co-ordinates 7197.9N 5078.8E

Dip 50° 19'

Alt./R.L. 701.3

SURVEY DATA

DEPTH	DIP	BEARING(M)	INSTRUMENT TYPE
0	50	99	Clinometer & Tube Compass
0	50° 19'	99° 31'	Theodolite
49	52.5	106	Eastman
82	52.5	105	Single Shot Camera.

GRAPH DERIVED DATA

DEPTH	DIP	BEARING(M)
0	50.25	99.5
25	51.5	100
50	52.5	100
75	52.5	99
85	52.5	99

CALCULATED CO-ORDINATES




NORTHING	EASTING	ALTITUDE
7197.9	5078.8	701.3
7197.6	5094.6	681.9
7197.3	5110.0	662.2
7197.1	5125.2	642.4
7197.1	5131.3	634.4

REMARKS

77.55 - 80.85 m Disseminated base metal mineralization.



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
		No Core.							
	33.7	DTL Orange to fawn, locally blue-grey weathered fine acid (quartz-sericite) tuff or lava.							
1.20	35	Tectonic fracturing which is present throughout, particularly at 25° to C.A. may be obscuring an agglomerate texture.							
0.75									
0.20	36.5	Fawn to pale green, locally pinkish, fine grained, siliceous tuff, partly massive, partly occurring as agglomerate with bedding foliation visible in randomly oriented fragments.							
0.20									
1.20		Alteration is pervasive carbonate, and sericite (?) also chlorite, as spotting, on fractures and locally pervasively through some fragments.							
1.50	40	Concentric colour zoning is apparent (buff/grey) in some fracture bounded blocks. Minor quartz and carbonate veining occurs.							
		The core is broken throughout, particularly along joints at 30° to core axis. It is invariably leached, leaving cavities fringed by carbonate.							
2.90									
1.10	44.8	Pug zone.							
	45								
	45.5	Below 44 m the colour is fawn to pink with green alteration fringes to fragments and along fractures.							
1.50									
1.70									
	48.3	Dominantly a lithic tuff comprising green feldspathic chloritised fragments to 2 cm with occasional blocks to 10 cm of fine carbonated sericitised							
1.40									

Traces of pyrite visible below 42 m as disseminated grains on fracture surfaces.



DIAMOND DRILL LOG

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CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
1.40	75.3	PyP ₃ after DTL.							
0.60		Fawn fine grained feldspathic(?) <u>agglomerate</u> or <u>lava</u> (?) jointed at 40° to core axis in opposing directions also sub-perpendicular to core axis also sub-parallel to core axis. The internal fabric is a foliation parallel to one fracture at 40° to core axis. This fabric is shown by pyrite aggregates to 3 mm. Leached tension gashes occur perpendicular to this direction. The rock is generally siliceous, alteration probably being pervasive carbonate and sericite. PyP ₃ after DTL?						77.55 3% Gn with Py and siderite. 77.95	
1.60									Pyrite 3%-5% with siderite and occasional galena in veins and fine aggregates.
0.23									
1.64									
1.20	80								80.25 Pyrite is 10% with associated grey silicification.
0.90									80.85
0.65									Trace pyrite below 82.54m
	82.54								
2.85		Cleaved sericitised <u>tuff agglomerate</u> to <u>agglomerate</u> . Greenish-fawn fragments to 8 cm occur in a carbonate rich(?) matrix of small (less than 0.5 cm) fragments.							
	85	E.O.H. The core is very broken and sheared at angles from 45° to sub-parallel to the core axis. Tension joints are developed at 45° to 90° to core axis.							