



DRILL HOLE RECORD

Location Que River **Property** Mining Lease 2M/75 **District** Tasmania, Australia. **Bearing (M)** 98°41' **Hole No** QR 76 D.
Commenced 5.1.1976 **Completed** 12.1.1976 **% Recovery** 95.5 **Grid bearing (M)** 8.75° **Date** 12.1.1976
Objective To test P south lens 7475N, 560 RL. **Core size** NQ to 75 m BQ to 208.25 m E.O.H. **Logged** C.H. YOUNG
Co-ordinates 7472.12N 5064.49E **Dip** 50°27' **Alt./R.L.** 699.26

SURVEY DATA				GRAPH DERIVED DATA			CALCULATED CO-ORDINATES			REMARKS
DEPTH	DIP	BEARING(M)	INSTRUMENT TYPE	DEPTH	DIP	BEARING(M)	NORTHING	EASTING	ALTITUDE	
0	50	97	Clinometer & Surveyors	0	50.5	98.75	7472.12	5064.49	699.26	144.7 m Contact DTL with PyP ₁ .
0	50°30'	98°41'	Surveyors Pick up	25	51.0	99.0	7472.09	5080.31	679.90	145.1 to 184.1 m Bands of semi massive pyrite including;
29	51	104.5	Eastman	50	51.0	99.5	7471.95	5096.04	660.47	
62	51	105	Single Shot	75	51.0	99.5	7471.74	5111.77	641.04	167.3 - 171.3 m Massive base metal sulphides sphalerite, galena.
89	50.5	104.5	Camera	100	50.0	98.75	7471.64	5127.67	621.75	
119	47	103	" "	125	46.5	98.5	7471.68	5144.31	603.11	172.25 - 184.1 m Bands of semi massive to massive pyrite with associated chalcopryrite, sphalerite and galena.
135	43.5	105.5	" "	150	41.25	99.25	7471.63	5162.31	585.80	
152	41	104.5	" "	175	40.5	99.5	7471.43	5181.22	569.44	
179	40.5	105	" "	208.25	40.25	100.0	7470.98	5206.54	547.90	
201	40.5	105.5	" "							



DIAMOND DRILL LOG

Hole No QR76D Page No 1.

Feature : Bedding Shearing
 Foliation Fault
 Fragment-size & shape Vein carbonate
 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.							
	8.0	DTL Weathered, partly kaolinised down to 11.0 m. Iron stained down to 14 m. Grey-buff carbonated locally chloritised feldspar crystal lithic tuff agglomerate							
	10	Fault zone. Pug, sheared and broken core.							
	11.0	(The rock appears to be a lava breccia) Lithic fragments from 0.5 mm to 6 cm are irregular in outline, consisting of feldspar (replaced by sericite and carbonate) in a buff-grey siliceous groundmass. Less common are fragments of grey-green vesicular lava.							
	0.8	The matrix is grey siliceous and fine grained.							
	1.0								
	0.8								
	15								
	15.2	Fault zone. Pug, sheared and broken core. Note lost core.							14.0 Pyrite 1%-2% as disseminations, aggregates and occasional irregular veinlets.
	0.1								
	17.0								
	1.2								
	0.4								
	0.9								
	20	Below 20.0 m the rock is less obviously fragmental more like a lava breccia.							
	0.7	Shearing at 30° to core axis occasionally gives the rock a "shredded" appearance.							
	0.1								
	1.2	Fractures parallel to cleavage at 30° to core axis are occasionally chlorite lined.							
	0.9								
	0.8	22.1 - 22.5 m Fractures parallel to core axis.							
	1.0								
	25								



DIAMOND DRILL LOG

Hole No QR76D

Page No 6.

Feature : Bedding Shearing
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 Fragment-size & shape Vein c carbonate
 q quartz

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CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
		DTL as above.							Pyrite rare as above.
	3.0								
	128.2	MTL Brown-green carbonated locally chloritised fine <u>feldspar quartz crystal tuff lava</u> .							
	3.0	Magnetite is present as very fine disseminations. Crude flow banding has been noted.							
	130								
	3.0								
	134.0	DTL Buff-pale grey-green <u>feldspar quartz crystal lava</u> .							
	3.0	As above 125.2 m.							
	135								
	1.9	139.0 - 143 m the rock appears to be vesicular, white carbonate aggregates to 4 mm elongated in the direction of "flow"? at 40° to core axis are common.							
	1.1								
	140								
	1.6	Below 143 m the rock is partly grey in colour due to the introduction of pyrite along "healed" fractures. Flow banding? at 55° to core axis has been noted.							
	3.2								143.0 Pyrite 1%-2% as disseminations and aggregates.
	144.7	Contact 30° to core axis.							144.7 Pyrite 3%-5% as above.
	1.0	PyP, Grey ser (carb) lithic tuff aggl.							145.1 Pyrite 15% locally 30% as networks and bands of fine subhedral to euhedral crystals.
	1.4	145.1 <u>Fault zone</u> . Pug, sheared and broken core heavily chloritised, carbonate rich. Note, chlorite alteration zone 145.1 - 147.1 m.							146.9 Pyrite 50%, 60% where indicated, Cpy 3%-5%, trace Sph, Gn.
	1.8	Bands of semi massive to massive pyrite in a grey sericitised chloritised and locally carbonated coarse lithic tuff. Lithic fragments irregular in outline are from 0.5 mm to 3 cm and appear to consist of fine grained (pyritic) tuff. The matrix is light grey and siliceous.							148.4 Py 3%-5% as above. Pyrite 30% locally 40% Sph 1%-2% Gn 1%-2% as disseminations and aggregates with carbonate veins.
	150								

BROKEN CORE









DIAMOND DRILL LOG

Hole No. **QR76D**

Page No. 9


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	Grey silicified lithic tuff agglomerate as above.							Pyrite as above.
	3.0							205	
	2.25							208.25 E.O.H.	