



### DRILL HOLE RECORD

Location Que River Area  
 Commenced 22/4/75  
 Objective Definition of "Q" lens.

Property Mackintosh EL2/70 District Tasmania, Australia  
 Completed 26/4/75 Core size NQ to 161m EOH  
 % Recovery 98 (Core re-  
Overburden 0-20m. - (covery from 20m to EOH)

Alt./R.L. 686.83  
 Co-ordinate 7650.65N, 5180.4E  
 Bearing (M) 99°  
 Grid bearing (M) 8.75

Hole No QR34  
 Date 28/4/75  
 Logged EHS  
 Dip 45°

SURVEY DATA				GRAPH DERIVED DATA						REMARKS
DEPTH	DIP	BEARING(M)	INSTRUMENT TYPE	DEPTH	DIP	BEARING(M)	NORTHING	EASTING	ALTITUDE	
0	45	99	Compass/Clino	0	44	100	7650.65	5180.40	686.83	Recent tests of camera versus theodolite suggest an error of 4.5° in camera when set on azimuths around 090° mag., therefore have deducted 4.5° from camera readings.
26	44	104.5	Eastman	25	44	100	7650.24	5198.38	669.46	
56	40	104.5	single	50	41	100	7649.81	5216.80	652.58	
86	36	104.5	shot	75	37.5	100	7649.36	5236.15	636.77	
110	33.5	104.5	camera	100	34.5	100	7648.90	5256.36	622.08	
140	31	106	"	125	32.5	101	7648.24	5277.19	608.28	
161	29	106	"	150	30	101.5	7647.28	5298.54	595.32	
				161	29	101.5	7646.81	5308.10	589.90	
0	44° 15'	99° 21'	Theodolite	(Pick up of drill string for dip and azimuth).						



# DIAMOND DRILL LOG

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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								
	10								
	15								
	20	Sericite and carbonate after sheared lithic tuff.							Py 30%, Gn 10%, Sph 5
1.2	20.43	Massive sulphide (95%+)						20.43	Py 30%, Gn 30%, Sph 30 Tr. Cpy. Foliation
0.94	21.62	Sheared lithic tuff to tuff agglomerate. Pink to lime green in colour, carbonated (flecking after feldspar) and sericitised. Texture is locally fine gr. and locally coarsely agglomeritic. Interpretation as a Dacitic? tuff lava.		q	F?			21.62	after bedding, 65% Fe
3.13				q-c					
	25			q-c					









# DIAMOND DRILL LOG

Hole No QR34

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**Feature :**

Bedding

Foliation

Fragment-size & shape

Shearing

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Vein

c carbonate  
 q quartz

**Mineralization :**

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Abundant 15-60%

Massive >60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
		feldspar crystal tuff.							
	101.17	DTL							
3.14	105.46	MP Lithic tuff with occasional large (5-7cm) fragments of grey of grey dacitic feld. crys. tuff? also pyritic frags., and several with base metal sulphides. Carbonate and sericite occur throughout but dominant feature is br. green illite-hydromuscovite. MP						103.9	Py 5% as fragments of sulphide rock. Tr. of Gn and Sph. Some frags. are rich in these components.
1.44	105.46	PyP							Locally within PyP unit, Py attains 10-15% as networks of fine veinlets and
1.34	105.46	Grey tuff-agglomerate with disrupted cherty material and chert frags. Rock frags. are often whitish with dark grey texture after?? manganese oxides. Matrix varies from greenish black (sericitic) to light grey (siliceous).						108.0	veins to 1cm. Some
2.99	110.30	Tuff-agglomerate or autobrecciated lava of mid to dark grey fine dacitic? composition. Feldspars are white, locally pink.						108.7	tain massive Sph and Gn.
	110.30								108.0 to 108.70 - possibly 1% Gn, and 1% Sph.
2.15	113.80	Gradational contact to coarse lithic tuff to tuff-agglomerate with obvious fragmental texture, containing random large blocks of rounded fine grained feldspathic tuff.							
2.04	115.45	Fragments are typically 0.5 to 2cm. Colour is greenish grey, changing to blue grey where base metal mineralisation is present. Foliation (shearing) is 60° to core axis.							
2.94	120.98	30cm quartz vein.						118.5	At 118.5, 2cm vein of massive Py/Sph.
3.04	122.85							120.98	Gn 3%, Sph 3%, Py 10%.
1.20	123.2							121.85	Coarse Gn & Sph in quartz vein.
1.72	123.4	Below 123m colour is a greenish fawn, with blue black mottling, persisting to 132.80m.						122.2	
	125							123.4	Py 5%, Tr. Gn, Sph Py 7%, Gn 1%, Sph 1%, as veins and rare aggregates.





# DIAMOND DRILL LOG

Hole No **QR34**

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 Vein carbonate  
            quartz

Mineralization :  
 Trace 1 - 5%  
 Common 5 - 15%  
 Abundant 15 - 60%  
 Massive > 60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	MINERALIZATION		
				TRACE	COMMON	ABUNDANT
	2.94					
	3.04					
	3.055					
	3.02					
	3.00					
	3.0160					
	3.0161.0	E.O.H.				

HOLE No QR 34

DATE 22/5/75

				INITIAL ANALYSIS:										CHECK LAB:				
SAMPLE NO	FROM  M	TO  M	IW  cm	REMARKS	%Cu		%Pb		%Zn		%Fe	ppm Ag	ppb Au	ppm Au	INT.	%Cu	%Pb	%Zn
					AAS	XRF	AAS	XRF	AAS	XRF	TIT	AAS	AAS	FIRE				
159249	119.53	120.06	53		0.02		0.05		0.17			6	>500	1.5				
159250	120.06	120.55	49		0.12			1.31		9.93		44	>500	3.0				
				See previous page for rest of results!														
	120.06	131.58	1152		0.15		2.78		5.16			39.2		0.8	0.15	2.65	5.3	

HOLE No OR 34

DATE 27/5/75

INITIAL ANALYSIS: CHECK LAB:

SAMPLE NO	FROM (M)	TO (M)	IW (cm)	REMARKS	%Cu		%Pb		%Zn		%Fe	ppm Ag	ppb Au	ppm Au	INT.	%Cu	%Pb	%Zn
					AAS	XRF	AAS	XRF	AAS	XRF	TIT	AAS	AAS	FIRE				
159285	105.65	106.50	85	Datum Block 105.45	0.08			1.08		2.55		110	>500	2.5				
159286	106.50	107.00	50		0.01		0.55		0.53			30	>500	10.0				
159287	107.00	107.62	62	Block 107 ties in	0.02			1.17	0.14			54	>500	2.0				