



DRILL HOLE RECORD

Location QUE RIVER

Property Mining Lease 2M/75 District Tasmania

Alt./R.L. 670.8

Hole No QR93D

Commenced 12/3/76

Completed 18/3/76

Co-ordinate 7702.36N, 5299.964E

Date 3/4/76

Objective To test P north below QR44
Section 7750N RL 555

Core size NQ to 215.9m EOH

Bearing (M) 302°44'

Logged CHYoung, EHSkey

% Recovery 98

Grid bearing (M) 8°45'

Dip 49°35'

SURVEY DATA				GRAPH DERIVED DATA						REMARKS
DEPTH	DIP	BEARING(M)	INSTRUMENT TYPE	DEPTH	DIP	BEARING(M)	NORTHING	EASTING	ALTITUDE	
0	50	303	Clino & Tube Compass	0	49.5	303	7702.36	5299.96	670.80	
				10	49.8	302.8	7705.01	5294.05	663.18	
0	49.5	302.75	Survey	20	50	302.5	7707.62	5288.16	655.53	
23	50	302.5	Eastman	30	50	302.5	7710.21	5282.28	647.87	
53	49	302.5	Single Shot	40	49.5	302.5	7712.81	5276.37	640.24	
83	47	304	Camera	50	49	302.5	7715.44	5270.39	632.66	151.1 - 160.55m"Barite Ore"
113	45	299.5	"	60	48.5	302.8	7718.11	5264.36	625.14	Semi-massive pyrite with minor
147	43.5	301	"	70	48	303.5	7720.86	5258.30	617.68	concentrations of base metal sulphides.
176	43.5	300.5	"	80	47.5	304	7723.70	5252.21	610.28	
215	43	300.5	"	90	46.5	304	7726.61	5246.04	602.97	
				100	45.8	302.8	7729.50	5239.74	595.76	
				110	45	301.5	7732.59	5233.30	588.64	
				120	44.5	300.8	7734.99	5226.73	581.60	
				130	44	300.5	7736.67	5220.09	574.62	
				140	43.5	300.5	7740.34	5213.38	567.70	
				150	43.5	301.	7743.06	5206.65	560.82	
				160	43.5	301	7745.81	5199.94	553.94	
				170	43.5	301	7748.55	5193.22	547.05	
				180	43.5	301	7751.30	5186.51	540.17	
				190	43	300.5	7754.03	5179.76	533.32	
				200	43	300.5	7756.74	5172.96	526.50	
				210	43	300.5	7759.45	5166.17	519.68	
				15.9	43	300.5	7761.05	5162.16	515.65	



DIAMOND DRILL LOG

Hole No QR93D

Page No 3.

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	Fragments are irregular in outline up to 4cm. Occasionally flow banded feldspar crystal tuff-lava. The matrix or groundmass is fine grained quartz-feldspathic.	Handwritten log entries						Trace pyrite as above.
	3.0	There is a crude fragment alignment at 50° C.A.							
	55	GRADATIONAL CONTACT							
	56.2	PYP ₁ . Grey carbonated sericitised lithic tuff agglomerate. Mixed fragment types.						56.2	Pyrite 3-5% as disseminations, fragments and aggregates.
	57.3	GRADATIONAL CONTACT						57.3	
	3.0	DTL. Pink-buff lithic tuff-agglomerate (carbonated) as above 56.2m.							Trace pyrite as above 56.2m.
	60	Irregular fractures sub-parallel to core axis are commonly chlorite lined.							
	3.0	Fragments up to 6cm of flow banded feldspar crystal tuff-lava are not uncommon.							
	3.0								
	65								
	3.0								
	67.3	Green-grey carbonated locally sericitised lithic tuff agglomerate similar to above 67.3m.							
	3.0	Increased chlorite and sericite alteration. Buff-grey carbonated feldspar crystals, represented by aggregates of white carbonate and pale green sericite in a fine grained quartz-feldspathic groundmass.							
	70								
	3.0								
	75	75m. Carbonate cemented breccia zone.							



DIAMOND DRILL LOG

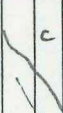
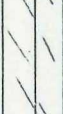
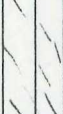

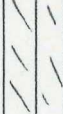
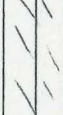
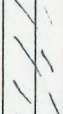
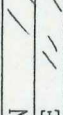
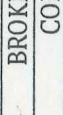
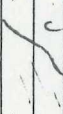
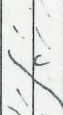

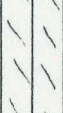
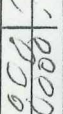

Hole No **QR93D**

Page No 4.

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	DTL as above.							Trace pyrite as above.
	3.0	Fractures/joints 50° to core axis are common.							
	80	Irregular carbonate veinlets are common.							
	3.0	The rock is commonly altered grey chert irregular fracture - welded with carbonate.							
	3.0								
	85								
	3.0								
	90								
	3.0								
	3.0								
	95								
	3.0								
	98.9								
	3.0	Grey carbonated coarse lithic tuff. Lithic fragments are irregular in						98.9	Pyrite 1-2% as disseminations and aggregates.
	100								



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CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
	3.00	Indefinite contact, some interbedding of PyP ₂ and PyP ₁ near contact as indicated.	VERY BROKEN						Pyrite patchily 10%
2.95	04.64 205	Dark grey, white mottled, PyP ₁ > DTL agglomerate or lava breccia of feldspar porphyry. The rock was probably a DTL type prior to pyritisation.						204.64	Pyrite 7-10%, veinlets and stringers, rimming fragments, remobilised coloform textures etc. Rare disseminated sphalerite.
	3.05	Feldspar phenocrysts are carbonated, and attain 2mm in diameter. Fragment colour is midgrey, marginally lighter than the rock matrix.							
	210	Light grey, carbonate rich feldspar porphyry (DTL) fragments common below 209m. Cleavage is 60° to core axis.							
	3.05								
2.95	212.66	Light grey-green feldspar PyP ₂ AP? pyroxene(?) porphyry agglomerate and tuff-agglomerate, sheared at 60° to core axis. Alteration is sericite-carbonate, weak chlorite.						212.66	Trace pyrite only.
	215								
0.85	215.90	END OF HOLE						215.90	