

CENOZOIC	
QUATERNARY	PLEISTOCENE/ HOLOCENE
Qha	Undifferentiated Quaternary sediments (Q). Stream alluvium, swamp and marsh deposits (Qha).
Qopt	Talus (Qopt).
Qppv	Quartz vein-derived talus and scree (Qppv).
Qpo	Older alluvial gravels, mainly on raised terraces developed on Paleogene - Neogene deposits and showing a gradational relationship to younger alluvium (Qpo).
Qhas	Older alluvial fan deposit associated with steep slopes (Qhas).
Erosional surface.	
Tsmg	Semi-consolidated interbedded sands, pebble-cobble gravels (up to boulder grade in some places), silts and clays, some horizons contain coalified wood and rare amber (Tsmg).
Tsrb	Coarse boundary deposits with clasts to 5m. Mostly developed near graben margin, with clasts of local derivation (Tsrb).
Tsbc	Semi-consolidated sediments with abundant dolerite clasts up to boulder grade (Tsbc).

PALEOZOIC	
CAMBRIAN	OROVINCIAN
Ol	Dark grey limestone, dolomite, calcareous mudstone, minor quartz sandstone and black clay weathering products. In part fossiliferous (Gordon Group and correlates). Glaciated by Cenozoic cover near 398 632m; 6 369 163m (Ol).
Os	Pink to grey thin-bedded to laminated sandstone, bioturbated and sparsely fossiliferous in places-trachypoda of Orovincian aspect at 380 262m (Os).
Osc	Pink, thinly bedded granule-pebble conglomerate containing white to pink chert clasts (Osc).
COc	Pink, thickly bedded to massive pebble-cobble conglomerate (COc).
COs	Sandstone, grey to pink, trough cross-bedded micaceous, with minor pebble conglomerate and siltstone (COs).
COmsh	Mainly interbedded granule-pebble conglomerate and sandstone, with minor siltstone (COmsh). Green to grey, thin-bedded micaceous siltstone and sandstone (COmsh).
COmshp	Shale-siltstone unit with basal volcanoclastic conglomerate (COmshp).
COvc	Mainly black pyritic shale and siltstone (COvc).
COvc	Volcanoclastic conglomerate and sandstone (COvc).
Unconformity.	
Cdqlp	Dominantly felsic lavas and/or intrusives, typically quartz-feldspar-phyric, with minor felsic volcanoclastic rocks (Cdqpl).
Cdqvc	Dominantly felsic volcanoclastic rocks, well bedded to massive (Cdqvc).
Cdtpv	Fimaceous volcanoclastic rocks, with accretionary lapilli-bearing unit at 384 312m; 5 262 033m (Cdtpv).
Cdqlb	Quartz-feldspar-biotite-phyric lava and/or intrusive (Cdqlb).
Cda	Intermediate lava or intrusive (Cda).
Cdsi	Siliciclastic sandstone and pebble conglomerate with some interbedded siltstone and minor volcanoclastic rocks (correlate of Stone Range Beds) (Cdsi).
Cdsqsh	Siltstone-sandstone-shale unit, partly siliciclastic, partly volcanoclastic (Cdsqsh).
Cdsq	Siliciclastic granule-pebble conglomerate and sandstone, poorly bedded to massive (Cdsq).

MESOPROTEROZOIC	
YERRA REGION METAFERRARIAN ROCKS	CAMBRIAN GROUP
Pts	Dominantly quartzite (Pts).
Ptug	Lithologically undifferentiated, commonly graniferous, rocks of relative high metamorphic grade, including massive schistose quartzite and fine-to coarse-grained pelitic quartz-mica schist (Ptug).
Ptsl	Platy or schistose micaceous quartzite (Ptsl).
Ptp	Dominantly phyllite (Ptp).

INTRUSIVE ROCKS	
CAMBRIAN	CAMBRIAN SERIES 3
qv	Quartz vein (qv).
Cqfhp	Quartz-feldspar-biotite porphyry, typically coarse-grained (Cqfhp).
Cdqpb	Quartz-feldspar-biotite-phyric lava and/or intrusive (Cdqpb).
Cda	Intermediate lava or intrusive (Cda).

CONTACTS	
FAULTS	LINEARS
Geological contact	Scarp
Geological contact - inferred	Lithological trend line, including bedding trace interpreted from aerial photographs
Limit of mapping of sub-unit within undifferentiated rock unit	
Fault	
Fault - inferred	
Fault - concealed	

CORRELATE OF EASTERN QUARTZ-PHYRIC SEQUENCE	
CORRELATE OF MOUNT RYLAND VOLCANICS	
Dip of geological contact of unspecified type.	
Strike and dip of bedding - right way up; facing unknown.	
Strike and dip of cleavage of unspecified type and relative age; vertical.	
Strike and dip of cleavage or foliation, relative local age S ₁ .	
Strike and dip of cleavage or foliation, relative local age S ₂ .	
Strike and dip of cleavage of unspecified type and relative age parallel to bedding, facing unknown.	
Trend and plunge of hinge line of minor fold with vertical axial surface, unspecified relative age.	
Trend and plunge of hinge line of minor fold with vertical axial surface, relative local age F ₁ .	
Strike and dip of dominant joint set; vertical.	
Strike and dip of igneous banding or platy alignment.	
Strike and dip of ductile shear-band.	
Strike and dip of metamorphic foliation.	
Trend and plunge of mineral elongation lineation.	
Field station for adjacent readings on the map.	
Macrofossil location.	



Compiled by R.O. Reid, B.Sc.(Hons) and D.C. Green, B.Sc.(Hons) Ph.D. 2000 from the following sources (see source diagram):

A VICARY, J., PEMBERTON, J., BRADBURY, J., and CORBETT, K.D. 1991. Geology of the Wanderoo River - Moores Valley area. Map 11. Mt Read Volcanics Project. Department of Mines, Tasmania.

B BROWN, A.V. et al. 2005. Southwest Tasmania. Edition 2005. 1: Geographical Atlas 1:250 000 digital series. Mineral Resources Tasmania.

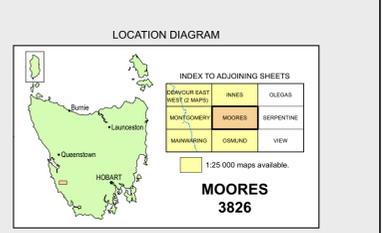
C HALL, W.D.M. et al. 1969. 1 inch Mile Rocky Point Geological Map. Broken Hill Proprietary Company Limited. TCR 69_2555.

Updated by:

D CORBETT, K.D. 2004. Updating and revision of the 1:25 000 scale series geological maps covering the Mt Read Volcanics belt in western and northwestern Tasmania. Tasmanian Geological Survey Record 2004/03. Mineral Resources Tasmania.

E VICARY, M.J. 2005. Additional map compilation and review of existing maps in western Tasmania. Tasmanian Geological Survey Record 2005/05. Mineral Resources Tasmania.

F Air photograph interpretation by W.D.M. Hall and M.J. Vicary, 2006.



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Website: www.mrt.tas.gov.au
GDSM - MGA Zone 55. Contour Interval: 20 metres.



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