



CENOZOIC	
PALEOGENE - NEOGENE	QUATERNARY
Qha	Stream alluvium, swamp and marsh deposits (Qha).
Qh1	Lag of dominantly oolitic and banded chert with associated silt and sand (Qh1).
	Erosional surface.
Tb	Basalt (Tb).

NEOPROTEROZOIC	
CRYOGENIAN	ROCKY HILLS GROUP
Psb	Massive basalt (Psb) (Spinks Creek Volcanics), interbedded laminated mudstone, siltstone, and lithic wacke with mafic volcanic detritus (Koppeel Creek Formation) (Psb).
Psvw	Dominantly micrite (with clasts of basaltic and felsic volcanic rocks, dolomite, chert and mudstone-siltstone in a fine-grained non-dolomitic matrix), with interbedded laminated mudstone, siltstone and calcareous siltstone (Evvs) (Croise Hill Member).
Psc	Dolomitic breccia, with clasts of dolomite, stromatolitic dolomite and oolitic chert in a dolomitic matrix (Psc) (Julius River Member).
Psc	Interbedded dolomite, chert, siltstone and mudstone (Psc). Interbedded massive or banded black, white and grey chert (oolitic in part) and laminated siltstone, with minor dolomite (Psc).
	Erosional and transgressive surface; low angle unconformity at some localities.
Prc	Mappable unit of distinctively colour-banded grey to olive green laminated siltstone in Pistol Creek - Apsary Road area indicated (Prc). (Cowie Siltstone).
Prc	Interbedded, black, dark grey and green, commonly pyritic, laminated siltstone and mudstone, with rare sandstone and mud pellet conglomerate (Prc) (Cowie Siltstone).
Prc	Mappable unit of dominantly very fine-grained quartz siltstone in Duck River - Boundary Creek area indicated (Prc). (Cowie Siltstone).

NEOPROTEROZOIC	
PALEOGENE - NEOGENE	IGNEOUS ROCKS
Tb	Basalt (Tb).
Emd	Dolerite dykes (Emd). Massive, relatively felsic variety with ~ 59 wt.% SiO <sub>2</sub> (Emg) indicated.

CONTACTS	
—	Geological contact.
- - - - -	Geological contact - inferred.
—	Geological contact - inferred from radiometric dates.
—	Limit of mapping of sub-unit within undifferentiated rock unit.

FAULTS	
—	Fault.

—	Strike and dip of bedding, facing known - right way up; facing unknown.
—	Horizontal bedding.
—	Strike and dip of cleavage, type and relative age unspecified - dipping; vertical.
—	Trend and plunge of minor fold hinge line, unspecified relative age; with dip and dip direction of axial surface; with vertical axial surface.
—	Trend and plunge of minor fold hinge line, unspecified relative age; vergence distal, with dip and dip direction of axial surface; symmetrical, sinistral with dip and dip direction of axial surface.
—	Trend of horizontal minor fold hinge line, unspecified relative age.
—	Trend and plunge of bedding/primary cleavage intersection lineation.
—	Strike and dip of outcrop-scale fault, type unspecified - dipping; vertical.
—	Strike of outcrop-scale fault, downthrown side indicated.
—	Strike and dip of outcrop-scale thrust fault.
•	Field station for adjacent readings on the map.
•	Notable small outcrop with rock unit indicated.
✕	Construction material/industrial mineral/gemstone location.

SOURCE DIAGRAM	
—	Highly detailed (eg. more detailed than 1:25 000 scale mapping).
—	Detailed systematic (eg. 1:25 000 map or equivalent detail).
—	Regional systematic (eg. 1:50 000, 1:63 360 map or equivalent detail).
—	Regional mapping less detailed than 1:63 360 map or equivalent (all other scales).
—	Reconnaissance mapping with sparse ground traverses.
—	Remote sensing and/or geophysical interpretation with limited or no ground information.

Compiled by D.B. Seymour, B.Sc.(Hons), Ph.D. and J.L. Everard, B.Sc.(Hons), 1998 from the following sources (see source diagram):  
 A. LENNOX, P.G., CORBETT, K.D., BAILLIE, P.W., CORBETT, E.B. and BROWN, A.V. 1962. Geological Atlas 1:50 000 Series, Sheet 21 (79165), Smithton, Tasmanian Department of Mines.  
 B. D.B. Seymour, 2001. Interpretation of aerial photographs and airborne magnetic radiometric data collected under the Western Tasmanian Regional Minerals Program, 2001.  
 C. EVERARD, J.L., SEYMOUR, D.B., BROWN, A.V. 1996. Geological Atlas 1:50 000 Series, Sheet 27 (79194), Truetton, Mineral Resources Tasmania.

**REFERENCE THIS MAP AS:**  
 SEYMOUR, D.B. and EVERARD, J.L. (compilers) 1998. Digital Geological Atlas 1:25 000 Scale Series, Sheet 3445 Tayatea. Mineral Resources Tasmania.  
 Base data from the LIST, Copyright State of Tasmania.  
 Map produced by Spatial Information Services, Mineral Resources Tasmania.  
 Website: www.mrt.tas.gov.au  
 GDSM - MGA Zone 55. Contour Interval: 20 metres.



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