



CENOZOIC	
QUATERNARY	Qhb Beach sand (Qhb)
Qhd Dune sand (Qhd)	
Qpsa Older aeolian sand and sand dunes (Qpsa)	
Erosional surface	
PALEOGENE-NEOGENE	Tb Basalt (Tb), hawallite indicated (Tbh)
Dominantly non-marine sequences of gravel, sand, silt, clay and regolith (Ts); sparse-gravel rich bioclastic marine chert (colloquially termed 'spongelite') and minor silicified bioclastic limestone with marine microfossils (Tspg)	
Angular unconformity	
7MESOPROTEROZOIC	Erbg Dominantly plane-laminated chloritic mudstone to siltstone, containing variably disseminated porphyroblastic chlorite (Erbg)
Erbba Mid-dark grey, thin bedded, massive to plane-laminated siltstone with minor pale grey (quartzose) laminar (Erbba)	
Erbqa Interbedded packages of quartzose sandstone to siliceous siltstone and laminated carbonaceous shale (Erbqa)	
Siltstone (pale grey) to carbonaceous (dark grey) siltstone, commonly with pervasive wavy lamination to small-scale trough cross-lamination, with finely developed alteration of pale and dark, laminae grey siltstone, siltstone and/or siltstone occur at base of some beds, and diastolic dykes; quartzose laminae may reach fine sand grade, and some sections include minor packets of pale grey thin-bedded fine-grained quartz sandstone (Erbqa)	

7MESOPROTEROZOIC	
Evi	Medium grained, trough cross-bedded to parallel-bedded quartzose sandstone, and rare angular quartz-pebble conglomerate and shale (Evi) (Logan River Quartzite)
Etrp	Dominantly siltstone of varied facies; upper sequences dominantly wavy-to cross-laminated finely alternating siliceous and carbonaceous siltstone similar to unit Etrb, emerging downwards into more varied sequence - typically interbedded mid-dark grey siltstone and pale grey quartz siltstone - fine sandstone, which may show planar-carrel bedding, well developed erosional gullies, diastolic dykes and gullies, cross-lamination and lensing of the quartz-rich beds (Etrp). Sections up to 30cm thick, rich in cross-bedded quartz sandstone, occur throughout the formation, and some are distinguished (Etrps), (Etrpr), (Etrpr: Pedder River Siltstone)
IGNEOUS ROCKS	
Tb	Basalt (Tb), hawallite indicated (Tbh)
Etrmg	Dolerite dykes (Etrmg)

—	Geological boundary - position accurate or approximate.
- - - - -	Geological boundary - inferred.
.....	Geological boundary - inferred from interpretation of airborne radiometric data.
---	Fault - unspecified type, position accurate or approximate.
---	Fault - unspecified type, position accurate or approximate, based on interpretation of aerial photographs.
---	Fault - unspecified type, inferred.
.....	Fault - unspecified type, concealed.
.....	Fault - unspecified type, inferred from airborne magnetic data.
.....	Fault - unspecified type, concealed, inferred from airborne magnetic data.
.....	Fault - unspecified type, concealed, inferred from airborne radiometric data.
.....	Fault - unspecified type, concealed, inferred from airborne radiometric data.
---	Thrust fault - position accurate or approximate, teeth on upper plate, based on interpretation of aerial photographs.
---	Thrust fault - teeth on upper plate, inferred from airborne magnetic data.
---	Thrust fault - teeth on upper plate, concealed, inferred from airborne magnetic data.
---	Thrust fault - teeth on upper plate, concealed, inferred from airborne radiometric data.
---	Thrust fault - teeth on upper plate, concealed, inferred from airborne radiometric data.
---	Lithological trend line.
↑	Axial surface trace of major antiform.
↓	Axial surface trace of major synform.
+	Limit of mapping.

+	Strike and dip of bedding facing known - right way up; facing unknown, horizontal.
+	Strike and dip of cleavage (type and relative age unspecified; relative local age S1 relative local age S2, construction).
+	Trend and plunge of hinge line of minor fold, unspecified relative age; with dip and dip direction of axial surface indicated, vertical axial surface.
+	Trend and plunge of hinge line of minor fold, relative local age F2.
+	Strike and dip of outcrop-scale fault of unspecified relative age, type unspecified, vertical.
+	Strike and dip of dyke or vein, rock type or mineral specified in digital data.
+	Strike and dip of dominant joint set.
+	Field station for adjacent reading(s) on map.
+	Notable small outcrop with rock unit indicated.
+	Mineral deposit location - hardrock } data derived from Mineral Resources Tasmania DEPOSIT data base. Data point position has not been verified in every case.
+	Construction material/industrial mineral/gemstone location

Compiled by D.B. Seymour, B.Sc. (Hons), Ph.D. and A.R. Reed, B.Sc. (Hons), Ph.D. 2003 from the following sources (see responsibility diagram)

A SEYMOUR, D.B., new 1:25,000 scale mapping 1998-89, augmented by interpretation of airborne magnetic and radiometric data and interpretation of aerial photographs.

B REED, A.R., new 1:25,000 scale mapping 1998-89, augmented by interpretation of airborne magnetic and radiometric data and interpretation of aerial photographs.

REFERENCE THIS MAP AS:
SEYMOUR, D.B. and REED, A.R. (compilers) 2003. Digital Geological Atlas 1:25 000 Scale Series, Sheet 3043, Temma, Mineral Resources Tasmania.

Base data from the LUST, Copyright State of Tasmania.
Map produced by the Geoscience Information Branch of Mineral Resources Tasmania using G.I.S. software.
GDAS4 - MGA Zone 55. Contour Interval: 20 metres.



While every care has been taken in the preparation of this data, no warranty is given as to the correctness of the information and no liability is accepted for any statement or opinion or for any error or omission. No reader should act or fail to act on the basis of any material contained herein. Readers should consult professional advisers. As a result the Crown in Right of the State of Tasmania and its employees, contractors and agents expressly disclaim all and any liability (including all liability from or attributable to any negligent or wrongful act or omission) to any persons whatsoever in respect of anything done or omitted to be done by any such person in reliance whether in whole or in part upon any of the material in this data.

