

CENOZOIC	QUATERNARY	Qhab	Marsh and swamp deposits (Qhab). Highland marsh deposits with some dolerite boulders and outcrops (Qhab).
		Qhag2f	Alluvial gravel deposits (Qhag).
		Qa	Alluvial gravel, sand and clay (Qa).
		Qppd	Probable Pleistocene low gradient alluvial fan and alluvial terrace deposits clasts predominantly of dolerite (Qppd).
		Qptiv	Periglacial non-vegetated scree deposits (Qptiv).
		Qptb	Talus, dominantly of dolerite boulders (Qptb), dominantly Upper Palaeozoic quartz sandstone (Qptb).
		Qptf	Toppled dolerite masses (>100m), coherent or partly disaggregated, produced by cliff failure (Qptf).
PALEOGENE - NEOGENE	Tertiary	Tbts	Basaltic lava (dominantly sodic hawaiiite) and pyroclastics, with rare to locally abundant therocolite xenoliths (Tbts).
Erosional surface.			

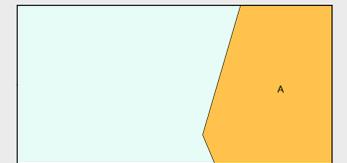
MESOZOIC	TRIASSIC	Rqm	Interbedded micaceous brown, red-purple, green and grey carbonaceous siltstone, shale, mudstone and planar-bedded, ripple-laminated or cross-bedded sandstone (Rqm).
		Rqp	Freshwater, predominantly cross-bedded, quartzose to feldspathic sandstone, commonly with overlain cross-bedding, and subordinate micaceous siltstone (Rqp).
		Pch	Freshwater, predominantly cross-bedded feldspathic sandstone and micaceous siltstone, minor thin beds of quartz-pebble conglomerate, upper interval less feldspathic (correlate of Dyrnne Coal Measures) (Pch).
		Pua	Generally unfossiliferous, glauconitic interbedded non-fossil and fossiliferous mudstone, siltstone and minor poorly-sorted pebbly sandstone (Abels Bay Formation) (Pua); contact metamorphosed by Jurassic dolerite (Pua).
		Pum	Generally poorly fossiliferous glauconitic fine-grained sandstone, siltstone and mudstone with common ironstones and pebble-rich patches; logmost beds richly fossiliferous; lower beds dominantly sandstone and variably fossiliferous (Melbina Formation) (Pum).
		Puom	Undifferentiated fossiliferous glauconitic sandstone, siltstone and limestone (Deep Bay Formation, Berriedale Limestone, Nassau Siltstone and Rayner Sandstone), contact metamorphosed by Jurassic dolerite (Puom).
		Pucm	Richly fossiliferous glauconitic grey bioclastic to argillaceous limestone, calcareous siltstone and rare metabasite (Berriedale Limestone); lower fossiliferous siltstone and calcareous siltstone (Nassau Formation); basal pebbly sandstone (Rayner Sandstone), contact metamorphosed by Jurassic dolerite (Pucm).
MESOZOIC	JURASSIC	Jd	Dolerite (Jd). Dolerite of grain size < 0.2mm (Jdf), 0.2 - 0.7mm (Jdfv), 0.7 - 1.5mm (Jdf), > 1.5mm (Jdfnc) indicated.

### INTRUSIVE ROCKS

Jd	Dolerite (Jd). Dolerite of grain size < 0.2mm (Jdf), 0.2 - 0.7mm (Jdfv), 0.7 - 1.5mm (Jdf), > 1.5mm (Jdfnc) indicated.
<b>CONTACTS</b>	
—	Geological contact.
- - - - -	Geological contact - inferred.
—	Limit of mapping of sub-unit within undifferentiated rock unit.
—	Limit of detailed mapping.
<b>FAULTS</b>	
—	Fault.
- - - - -	Normal fault (downthrown side indicated).
<b>LINEARS</b>	
- - - - -	Scarp.
—	Lineament - visible on aerial photographs.

↘	Strike and dip of bedding, right way up.
+	Horizontal bedding.
↙	Strike and dip of dominant joint set.
⊥	Strike of dominant joint set, vertical.
•	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.

Geology by C.R. Calver, B.Sc.(Hons), PHD, and Ezy, B.Sc, 2003 from the following sources (see source diagram)  
A. C.R. Calver and A. Ezy 2003. 1:25 000 scale mapping.

### REFERENCE THIS MAP AS:

CALVER, C.R. and EZZY, A (compilers) 2003. Digital Geological Atlas 1:25 000 Scale Series, Sheet 5024 Longley. Mineral Resources Tasmania.

Map produced by Spatial Information Services, Mineral Resources Tasmania.  
Website: www.mrt.tas.gov.au  
GDA94 - MGA Zone 55. Contour interval: 20 metres.



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### LOCATION DIAGRAM

