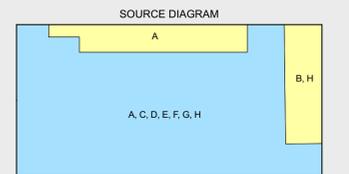


CENOZOIC	
QUATERNARY	<p>Qha Stream alluvium, swamp and marsh deposits (Qha).</p> <p>Qpfg Glacial and glaciogenic deposits (Qpfg).</p> <p>Qpfi Fluvio-glacial and lacustrine deposits (Qpfi).</p> <p>Qpgr Moraine and associated deposits (Qpgr).</p>
<p>Note: Quaternary geology has been omitted in some areas of thin cover or areas of complex bedrock geology.</p>	
PALEOZOIC	
CAMBRIAN, ORDOVICIAN, SILURIAN, DEVONIAN, CARBONIFEROUS, PERMIAN	<p>SD Shallow marine quartz sandstone, siltstone and shale (Eilon Group and correlates) (SD).</p> <p>SDc Fine-to coarse-grained quartz-rich sandstone, calcareous sandstone and minor mudstone (correlate of Croft Formation) (SDc).</p> <p>Oi Dark grey limestone, dolomite, calcareous mudstone, minor quartz sandstone and black clay weathering products. In part fossiliferous (Oi).</p> <p>CO Undifferentiated shallow marine - non-marine siliceous conglomerate-sandstone (CO).</p>
NEO-PROTEROZOIC	
CAMBRIAN, ORDOVICIAN, SILURIAN, DEVONIAN, CARBONIFEROUS, PERMIAN	<p>Pwj Fine-grained, poorly bedded, white to pale grey dolostone and minor dolomitic breccia (Jane Dolomite) (Pwj).</p>

MESOPROTEROZOIC	
ETLUG	Fine to coarse-grained, often thinly bedded, pelitic, garnetiferous quartz-mica and mica-quartz schist, commonly containing phengite, biotite, almandine, albite and chlorite. Relatively high metamorphic grade (Etlug).
ETLPG	Lithologically undifferentiated, commonly garnetiferous, rocks of relatively high metamorphic grade, including massive schistose quartzite and fine-to coarse-grained pelitic quartz-mica schist (Etlpg). Massive and schistose quartzite, fine to coarse grained, commonly containing phengite, almandine and chlorite (Etlpg).
ETPLU	Lithologically undifferentiated rocks of intermediate to low metamorphic grade (garnet minor to absent), including phyllite, fine-grained quartzite and dolomitic schist (Etplu). Dominantly dark grey carbonaceous quartz-mica phyllite, sometimes porphyroblastic and occasionally containing albite, biotite, phengite, chlorite and minor garnet; fine-grained quartzite frequently present. Intermediate metamorphic grade (Etplu).
ETPDP	Dominantly grey to green carbonaceous pelitic quartz-phengite phyllite, with interbedded black dolomitic schist. Non-garnetiferous and relatively low metamorphic grade (Etpdp).
ETPT	Dominantly phyllite (ETPT).
ETPLM	Lithologically undifferentiated rocks of low metamorphic grade including non-garnetiferous quartzite and phyllite (Etplm). Dominantly quartzite (ETPLM).
ETPS	Interbedded fine-grained phengitic quartzite, green phengite-quartz phyllite, and grey to green carbonaceous pelitic quartz-phengite phyllite. Non-garnetiferous and relatively low metamorphic grade (ETPS).
ETPS	Fine-grained, thickly foliate, phengitic quartzite and subordinate fine-grained massive quartzite. Non-garnetiferous and relatively low metamorphic grade (ETPS).
ETPLM	

CONTACTS	
	Geological contact.
	Geological contact - inferred.
	Limit of mapping of sub-unit within undifferentiated rock unit.
	Limit of detailed mapping.
FAULTS	
	Fault.
	Fault - inferred.
	Fault - concealed.
LINEARS	
	Axial surface trace of major anticline.
	Axial surface trace of major synform.
	Moraine ridge crest.
	Scarp.

	Strike and dip of bedding facing known, right way up; overturned.
	Strike and dip of bedding, facing unknown.
	Strike and dip of compositional layering - dipping; vertical.
	Strike and dip of cleavage, type and relative age unspecified.
	Strike and dip of cleavage, relative local age S ₁ , however locally S ₂ (in quartzite units) or S ₃ .
	Strike and dip of crenulation cleavage.
	Trend and plunge of lineation of unspecified type.
	Trend and plunge of minor fold hingeline, unspecified relative age, with dip and dip direction of axial surface, with vertical axial surface.
	Trend and plunge of major fold hingeline, unspecified relative age, with dip and dip direction of axial surface.
	Trend of horizontal minor fold hingeline, unspecified relative age, with dip and dip direction of axial surface.
	Field station for adjacent readings on the map.
	Construction material/industrial mineral/gemstone location.



- 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 M.J. Vicary, B.Sc.(Hons), 2004 as part of the Western Tasmanian Regional Minerals Program, from the following sources (see source diagram):
- A CALVER, C.R., BAILEY, P.W., EVERARD, J.L., SEYMOUR, D.B., WILLIAMS, P.F., FORDYTH, S.H., TURNER, M.J. and WILLIAMS, E. 1987. Geological Atlas 1:50 000 Series, Sheet 58 (8013N), Lyell, Tasmania Department of Mines.
- B GULLINE, A.B., LONGMAN, M.J. and MATHEWS, W.L. 1963. Geological Atlas 1 Mile Series, Sheet 58 (98113) 1 and 18 Zone 7, 25 Chair, Tasmania Department of Mines.
- C SPRY, A.H. 1957. The Precambrian Rocks of Tasmania, Part II, The Mt Mary Area. Pap. Proc. R.Soc. Tasn. 91: 81-93.
- D SPRY, A.H. and ZIMMERMAN, D. 1959. The Precambrian Rocks of Tasmania, Part IV, The Mt Mullens Area. Pap. Proc. R.Soc. Tasn. 91: 1-16.
- E DUNCAN, D. M.P. 1974. Reconnaissance Geology of the Frenchmans Cap National Park. Pap. Proc. R.Soc. Tasn. 107: 191-195.
- F PETERSON, J.A. 1966. Geology of the Frenchmans Cap National Park. Pap. Proc. R.Soc. Tasn. 106: 117-126.
- G Hill, W.D.M., McIntyre, M.H., Corbett, E.B., McGregor, P.W., Fenton, G.R., Arnold, C.D., and Bumbastad, E.D. 1969. Report on Field Work E.L. 13/1968 South West Tasmania 1967-1968. Unpublished report, Broken Hill Pty Ltd Expl. Dept. TCR 69/055.
- H VICARY, M.J. 2005. Additional map compilation and review of existing maps in western Tasmania. Tasmanian Geological Survey Record 2005/05. Mineral Resources Tasmania.

REFERENCE THIS MAP AS:
VICARY, M.J. (compiler) 2004. Digital Geological Atlas 1:25 000 Scale Series, Sheet 4032 Loddon. 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
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. Crown copyright reserved.

