

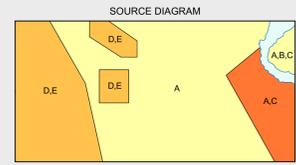
PERIOD	UNIT	DESCRIPTION	
CENOZOIC	Qha, Qham	Stream alluvium, swamp and marsh deposits (Qha). Alluvial, estuarine and swamp deposits of gravel, sand, silt and clay, commonly with organic-rich top layer (Qham).	
	Qhc	Colluvium (Qhc).	
	Qhw	Windblown and locally derived sand (Qhw).	
	Qhd	Landslip and debris flow deposits (Qhd).	
PALEOGENE-NEOGENE	Qts	Terrace deposits, less than 10m above sea level, of sand and siliceous pebbly gravel (Qts).	
	Qdt	Talus (Qdt) talus predominantly of Jurassic dolerite (Qdt); of Paleogene-Neogene basalt or dolerite (Qdt); of Paleogene-Neogene basalt or dolerite (Qdt) located greater than 2m (Qdt); quartz sandstone and conglomerate talus derived from Owen Gully Group corrie (Qdt).	
	Qdms	Late Cenozoic terrace deposits of uncertain composition, generally <5m, extending to approximately 15m above sea or river level, with gravel layers above present sea level (Qdms).	
	Tc	Conglomerate, gravel and grit (Tc).	
	Ts	Conglomerate, gravel, sand, silt, mud and clay (Ts). Poorly consolidated clay, silt and fine-grained sand with rare gravel and lignite, some iron oxide-cemented layers and concretions; some leaf fossils (Ts).	
	Tbd	Basaltic dolerite. Dominantly lava flows (Tbd).	
	Tsa	Basaltic dolerite (Tsa).	
	Tfb	Lignite and bauxite derived from Jurassic dolerite (Tfb).	
	MESOZOIC	Rqs	Cross-bedded quartz sandstone, feldspathic sandstone and shale (Rqs).
		Ptd	Undifferentiated Permian-Carboniferous sediments (P). Carbonaceous sandstone and shale (Ptd).
Pu		Upper glauconitic sequences of pebbly mudstone, pebbly sandstone and limestone (Pu).	
P		1 to 2m thick resistant unit of siliceous granite to pebbly conglomerate (Blackwood Conglomerate) (P).	
PALEOZOIC	Pis	Dominantly well-sorted quartz sandstone, normally cross-bedded or laminated and commonly with interbedded and laminated carbonaceous shale, lesser conglomerate and rare coal (Pi).	
	Pib	Pebbly mudstone, fossiliferous sandstone and minor conglomerate (Pib).	
	Pt	Basal tuffite (Pt).	
	?	Unconformity.	

PERIOD	UNIT	DESCRIPTION
SILURIAN-DEVONIAN	SD	Quartz sandstone, laminated siltstone and shale (Johnson Creek Formation) (SD).
	SDq	Quartzite (SDq).
ORDOVICIAN	CI	Limestone (Flowery Gully Limestone) (CI).
	Osh	Pink to grey quartz sandstone with minor conglomerate, siltstone and calcareous sandstone. Typically well bedded (Osh). Talciferous commonly lamellar quartz sandstone, carbonaceous sandstone and less common siltstone (Eaglehawk Gully Formation) (Osh).
	Oss	Quartz sandstone and less abundant siltstone (Oss).
	Osp	Dominantly quartz-pebble to quartz cobble conglomerate interbedded with grey quartz sandstone (Sibley Hill Formation) (Osp).
CAMBRIAN	Csh	Slate with lesser sandstone and rare limestone (Csh).
	?	Unconformity.
BRADYER GROUP	Psh	Sandstone, slate and phyllite (Psh).
	?	Unconformity.

PERIOD	UNIT	DESCRIPTION
MESOZOIC	Jd	Dolerite and related rocks (Jd). Fine-grained dolerite (Jdf).
	Jdw	Predominantly deeply-weathered dolerite (Jdw).

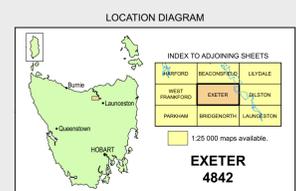
SYMBOL	DESCRIPTION
—	Geological contact.
- - -	Geological contact - inferred.
- · - · -	Metamorphic contact.
---	Limit of mapping of sub-unit within undifferentiated rock unit.
---	Fault - inferred.
- · - · -	Fault - concealed.
- · - · -	Fault - concealed, inferred from magnetic data.
- · - · -	Normal fault (downthrown side indicated).
- · - · -	Thrust fault (both on upper plate).
- · - · -	Strike-slip fault (dextral).
---	Linears
---	Axial surface trace of major later antiform.
---	Axial surface trace of major later overturned antiform.
---	Lineament - visible in magnetic data.
---	Tectonic foliation trend line.
---	Bedding trend line (on Cross Section only).

SYMBOL	DESCRIPTION
↘	Strike and dip of bedding - right way up; overturned.
↗	Strike and dip of bedding, facing unknown.
↖	Strike and dip of cleavage of unspecified type and relative age.
↗	Strike and dip of cleavage, relative to local age S <sub>1</sub> ; S <sub>2</sub> ; S <sub>3</sub> .
↖	Trend and plunge of minor fold hinge line, unspecified relative age.
↖	Trend and plunge of minor fold hinge line, relative local age P <sub>1</sub> ; P <sub>2</sub> .
↖	Trend and plunge of lineation of unspecified type.
↖	Trend and plunge of bedding/primary cleavage intersection lineation (L.I.). trend and plunge of lineation L <sub>1</sub> formed by intersection of cleavage or foliations.
↖	Trend and plunge of paleoseismic lineation, polarity unknown.
•	Field station for adjacent readings on the map.
▲	Notable small outcrop or floaking occurrence with rock unit indicated.
▲	Mineral deposit location - hardrock.
▲	Mineral deposit location - alluvial/tailings.
▲	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 in conjunction with aeromagnetic interpretation by A.R. Reed, B.Sc.(Hons), Ph.D., 2001 from the following sources (see source diagram):  
 A GULLINE, A.B., BRAYCO, A.P. and NAZKI, I.H. 1973. Geological Atlas 1:63 360 Series, Sheet 38 (B1/S3). Forefront, Tasmania Department of Mines.  
 Updated by:  
 B S.M. Forsyth, 1992. Revised Mapping.  
 C C.R. Calver, 2002. Revised Mapping.  
 D A.R. Reed, 1998-2000. Revised mapping.



REFERENCE THIS MAP AS:  
 REED, A.R. (compiler) 2001. Digital Geological Atlas 1:25 000 Scale Series, Sheet 4842 Exeter, 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  
 GD94 - 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.