

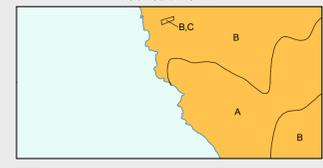
IGNEOUS ROCKS

CENOZOIC		NEOPROTEROZOIC (?)	
QUATERNARY		ECTASIAN (?)	
HOLOCENE		ECTASIAN (?)	
Qhb	Beach sand (Qhb).	Emba	Alkali dolerite dykes containing blattiferous augite, amphibole and rare biotite (Emba).
Qhbc	Beach cobbles derived from Neogene basalt (Qhbc).	Emdc	Alkali dolerite dykes, commonly largely replaced by carbonate (Emdc).
Qhdm	Mobile dune sand (Qhdm).	Emdt	Tholeiitic dolerite dykes (Emdt).
Qhd	Dune sand (Qhd).	Emd	Undifferentiated dolerite dykes (Emd).
Qha	Stream alluvium, swamp and marsh deposits (Qha). Alluvium and coluvium (Qha).		
Qps	Older aeolian sand and minor clay, peat and gravel (Qps).		
Tb	Basalt (Tb): olivine tholeiite (Tb).		
----- Unconformity			
MESOPROTEROZOIC			
ECTASIAN			
Pi	Interbedded parallel- to trough- cross-bedded orthoquartzite, medium-grained quartz sandstone, minor siltstone and rare quartz-pebble conglomerate and shale (Pi). Some units of predominantly laminated grey to cream siltstone indicated (Pip).		
Pip	Dominantly siltstone of varied facies; upper sequences dominantly wavy- to cross-laminated finely alternating siliceous and carbonaceous siltstone similar to unit Pib, merging downward into more varied sequence - typically interbedded mid-dark grey siltstone and pale grey quartz siltstone - fine sandstone, which may show planar-parallel bedding, well preserved erosional gullies, cyclic dykes and grading, cross-lamination and lensing of the quartz-rich beds (Pip).		
Pipw	Dominantly thin (10-50mm) interbedded dark grey to green-grey siltstone and cream to off-white very fine-grained quartz sandstone; moderately wavy to convolute lamination; interbeds (150-100mm) of quartz sandstone and orthoquartzite locally present; pyrite crystals locally abundant (Pipw).		
Pipr	Dominantly planar laminated, locally pyritic, dark grey siltstone; lenses and gutters/casts of cream quartz sandstone locally present (Pipr).		
Pipb	Dominantly "banded", thickly laminated to thinly interbedded (~5-20mm) dark-medium grey siltstone and cream fine-grained sandstone; lamination and bedding broadly undulose to ± planar (Pipb).		
Pipg	Mappable orthoquartzite and quartz sandstone interval within Pipr (Pipg).		
Pipf	Dominantly wavy laminated to thinly bedded dark grey siltstone and cream very fine-grained sandstone, with common to locally dominant lenses and interbeds of quartz sandstone and orthoquartzite (Pipf).		
Pips	Dominantly sandstone and siltstone of varied facies, including intervals rich in cross-bedded quartz sandstone (Pips).		

CONTACTS	
—	Geological contact.
- - -	Geological contact - inferred.
- · - · -	Geological contact - inferred from radiometric data.
- · - · - · -	Transitional geological contact.
- · - · - · - · -	Limit of mapping of sub-unit within undifferentiated rock unit.
- · - · - · - · - · -	Limit of detailed mapping.

FAULTS	
- - - - -	Fault.
- · - · -	Fault - inferred.
- · - · - · -	Fault - concealed.
- · - · - · - · -	Fault - inferred from magnetic data.
- · - · - · - · - · -	Fault - concealed, inferred from magnetic data.
- · - · - · - · - · - · -	Fault - inferred from radiometric data.
- · - · - · - · - · - · - · -	Fault - based on interpretation of aerial photographs.
- · - · - · - · - · - · - · - · -	Thrust fault (teeth on upper plate).
- · - · - · - · - · - · - · - · - · -	Thrust fault (teeth on upper plate) - inferred from magnetic data.
- · - · - · - · - · - · - · - · - · - · -	Thrust fault (teeth on upper plate) - based on interpretation of aerial photographs.

LINEARS	
—	Axial surface trace of major antiform.
—	Axial surface trace of major synform.
—	Dune crest.
—	Lineament - visible on aerial photographs.
—	Lineament - visible in magnetic data.
—	Magnetic gradient or lineament (direction towards lower values indicated).
—	Lithological trend line, including bedding trace interpreted from aerial photographs.



Geology by G.V. Cumming, B.Sc.(Hons), J.L. Everard, B.Sc.(Hons) with acknowledgements to A.R. Reed, B.Sc.(Hons).
Compiled 2015 from the following sources (see source diagram):
A. G.V. Cumming, new field mapping 2014-2015.
B. J.L. Everard, new field mapping 2015.
C. A.R. Reed, field mapping 1999.

REFERENCE THIS MAP AS:
CUMMING G.V. and EVERARD J.L. 2015. Digital Geological Atlas 1:25 000 Scale Series, Sheet 3042 Ordinance, 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
GDA94 - MGA Zone 55. Contour Interval: 20 metres.



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