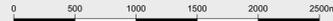


# BURNIE

Scale 1:25 000

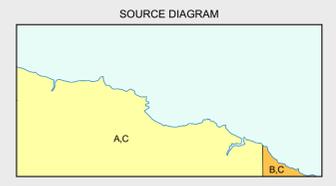


PERIOD	UNIT	DESCRIPTION
CENOZOIC	QUATERNARY	Qhmm Undifferentiated Quaternary sediments (Q).
		Qhbd Beach sand, sand dunes and beach gravel (Qhbd).
		Qhse Peralic clay, silt, sand and minor gravel deposits of modern salt marsh and associated tidal flats (Qhse).
		Qhsw Sand of stabilised longitudinal beach ridges (Qhsw).
		Qhsa Stream alluvium, swamp and marsh deposits (Qhsa).
		Qhc Colluvium (Qhc).
		Qaf Gravel deposits of alluvial fans (Qaf).
		Qdc Landslide deposits predominantly derived from weathered Tertiary rocks (Qdc).
		Qpsa Older aeolian sand of coastal plain (Qpsa).
		Qpt Talus (Qpt).
Qpao Older alluvial gravels of river terraces (Qpao).		
CENOZOIC	PLEISTOCENE	Twb Basalt (Tb), including local occurrences of alkali olivine basalt (Twb), nepheline basalt (Twb), and basaltic (Twb). Predominantly deeply-weathered basalt (Twb).
		Ts Terraced sand, gravel and minor lacustrine deposits (Ts).
		Tiip Poorly consolidated interbedded claystone, sandstone and pebble conglomerate (Tiip). Grey-silty and silty and including lag and outcrops of silicified quartz sandstone and conglomerate (Tiip).
		Tbl Lower valley-filling basalt. Olivine tholeiite (Tbl).

PERIOD	UNIT	DESCRIPTION
NEO-PROTEROZOIC	CAMBRIAN - ORDOVICIAN	Osm Grey poorly sorted fine-grained sandstone, commonly bioturbated (correlate of Moine Sandstone) (Osm).
		Po Quartzwacke turbidite sequence of sandstone, siltstone and well bedded black silty mudstone (Po).
NEO-PROTEROZOIC	FURFONIAN - LOWER CROZINCAN	Pobp Pillow basalt (Pobp).
		Jd Dolerite (Jd).
PROTEOZOIC	JURASSIC	Pob Albite dolerite, metabasalt (Pob).

SYMBOL	DESCRIPTION
—	Geological contact.
- - - - -	Geological contact - inferred.
---	Limit of mapping of sub-unit within undifferentiated rock unit.
---	Limit of detailed mapping.
—	Axial surface trace of major antiform.
—	Axial surface trace of major synform.
—	Axial surface trace of major overturned synform.
—	Axial surface trace of major later antiform.
—	Axial surface trace of major later synform.
—	Trend of relict beach ridge related to regressive strandline of Last Interglacial Stage.
—	Trend of older stabilised Holocene beach ridge.

SYMBOL	DESCRIPTION
↘	Strike and dip of bedding, right way up; facing unknown.
↖	Strike of vertical bedding, facing unknown.
↗	Strike and dip of bedding, overturned.
↘	Strike and dip of cleavage of unspecified type and relative age.
↗	Strike and dip of penetrative cleavage.
↗	Trend and plunge of minor fold hinge line, unspecified relative age, vergence sinistral.
↗	Trend and plunge of lineation of unspecified type.
↗	Trend and plunge of mineral elongation lineation.
↗	Trend and plunge of minor fold hinges, relative local age F1; horizontal.
↗	Trend and plunge of minor fold hinge, relative local age F2 or later.
↗	Trend and plunge of hinge line of minor synform, relative local age F2 or later.
•	Field station for adjacent readings on the map.
•	Notable small outcrop with rock unit indicated.
•	Notable small float or lag occurrence with rock unit indicated.
⊠	Mineral deposit location - hardrock.
⊠	Construction material/industrial mineral/gemstone location.



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 GEE, R.D., GULLINE, A.B. and BRAVO, A.P. 1967. Geological Atlas 1 Mile Series. Sheet 28 (B174). Burnie, Tasmania Department of Mines.  
B BURNS, K.L. 1963. Geological Atlas 1 Mile Series. Zone 7 Sheet 29 (N8151 and N). Devonport, Tasmania Department of Mines.  
Updated by:  
C Everard, J.L., Calver, C.R. and Ezzy, A. 2006. Field checking and revision of geology as part of the Northwest Landslide Hazard Project.

**REFERENCE THIS MAP AS:**  
VICARY, M.J. (compiler) 2004. Digital Geological Atlas 1:25 000 Scale Series. Sheet 4045 Burnie. 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  
GDSM - MGA Zone 55. Contour Interval: 20 metres.



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