



QUATERNARY	HOLOCENE	
Qhb	Modern beach sand (Qhb).	
Qhd	Modern dune sand (Qhd).	
Qhbc	Cobble beach derived from Tertiary basalt (Qhbc).	
Qhs	Paralic clay, silt, sand and minor gravel deposits of modern salt marsh and associated tidal flats (Qhs).	
Qhr	Raised beach deposits (Qhr).	
Qhw	Sand of stabilised longitudinal beach ridges (Qhw).	
Qhb	Marsh and swamp deposits (Qhb).	
PLEISTOCENE	Qpsa	Older stabilised aeolian sand of predominantly coastal plain (Qpsa).
Erosional surface.		
PALEOGENE - NEOGENE	Tbt	Massive olivine tholeiite (known as the Little Trefoil Basalt on this map sheet) (Tbt).
Disconformity		
Tsq	Breccia, conglomerate and fossiliferous calcarenite with Upper Langfordian Foraminifera (Cape Grim Beds) (Tsq).	
Disconformity		
Tbc	Bedded basaltic flow-foot pillow breccias and associated small flow lava flows, with clay of <i>Sacc</i> aggr. <i>prospira</i> representing marine deposition stages (includes the Slaughter Bluff and Trefoil basalt volcanic breccias on this map sheet) (Tbc).	
Tvc	Basaltic boulder conglomerate and sandstone (Valey Bay Conglomerate) (Tvc).	
Tsc	Flow, ventral and massive-columnar, olivine basalt lavas (known as the Slaughter Bay Basalts on this map sheet) (Tsc).	
Erosional disconformity.		
Twt	Subsequently deposited, bedded vitric tuff, with well-developed climbing-ripple lamination in some outcrops (Woolnorth Tuff and correlative) (Twt).	
Angular unconformity.		

MESOPROTEROZOIC	ROCKY CAPE GROUP GRANULITES
Erpa	White, massive to well bedded, commonly silicified quartzites with cross-bedding, ripple cross-orientation and ripple marks in some sections, and minor interbedded grey grey siliceous pelite (Erpa). (Upper Quartzite of east coast of Woolnorth Peninsula).
Erpu	Thinly interbedded, maroon, green and grey laminated quartz-rich siltstone and white, cream, grey and brown, commonly cross-bedded and ripple-marked, fine-to medium-grained quartzite (Erpu). Typically lenticular beds up to 5m thick in some sections; ball and pillow structure, grading, and rip-up clasts present (Upper Pelite sequence of Harter Island, eastern Woolnorth peninsula and Harbour Islets) (Erpu).
Erq	Pale weathering, variably silicified quartzarenite, well bedded and commonly with cross-lamination of trough and planar-ribbed types and oscillation ripple bedforms, and with minor horizons of laminated siltstone. Lida influence suggested by bed to bed reversal of cross-lamination polarity in some sections (Erq).

—	Geological boundary - position accurate or approximate.
—	Geological boundary - concealed (indicates onshore and offshore approximate concealed eastern limit of the main volume of Tb and related volcanic sequences, inferred from airborne magnetic data).
—	Geological boundary - transitional.
---	Fault - unspecified type, position accurate or approximate.
---	Fault - unspecified type, concealed, inferred from airborne magnetic data.
---	Lineament visible in airborne magnetic data.
---	Trends of older stabilised Holocene beach ridges.
---	Trends of relict beach ridges related to regressive strandlines of Last Interglacial Stage.
---	Avoid trace of major antiform synform.
---	Limit of mapping.

- ✂ Strike and dip of bedding - facing known; overturned.
- ✂ Strike and dip of bedding - facing unknown; vertical with rising unknown; horizontal.
- ✂ Strike and dip of cleavage, type and relative age unspecified; vertical.
- ✂ Trend and plunge of hinge of minor fold, unspecified relative age; with sinistral vergence; dextral vergence.
- ✂ Trend of horizontal hinge of minor fold, unspecified relative age; antiform.
- ✂ Location of adjacent structural readings.
- ✂ Construction material/Industrial Tasmania; ROYALS data base.
- ✂ Data derived from Mineral Resources Tasmania; ROYALS data base.
- ✂ Data point position has not been verified in every case.

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(see Responsibility Diagram)

A Near 1:25 000 scale mapping 1987-2001 by W.D.M. Hall (Monash University, Melbourne), with minor modifications by D.B. Seymour.

B Geology sourced with minor modifications from:
(1) SUTHERLAND, F.L., CORBETT, K.D. 1987. The Tertiary volcanic rocks of the north-western Tasmanian. Ph.D. Thesis, Monash University, Victoria, Australia.
(2) SUTHERLAND, F.L. 1980. A palaeogeographic reconstruction of the Tasmanian Tertiary, in relation to coastal sea-level systems. Proc. Roy. Soc. Tasmania 114: 177-199.
(3) Minor structural features interpreted by D.B. Seymour from aerial photographs and airborne magnetic data collected under the Western Tasmania Regional Minerals Program, 2001.

C Unverified interpretation by D.B. Seymour of aerial photographs, plus additional offshore data interpreted from airborne magnetic data collected under the Western Tasmania Regional Minerals Program, 2001.

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Digital Geological Atlas 1:25 000 Scale Series, Sheet 3049, Grim.
Mineral Resources Tasmania.

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GDAS4 - MGA Zone 55. Contour Interval: 20 metres.



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