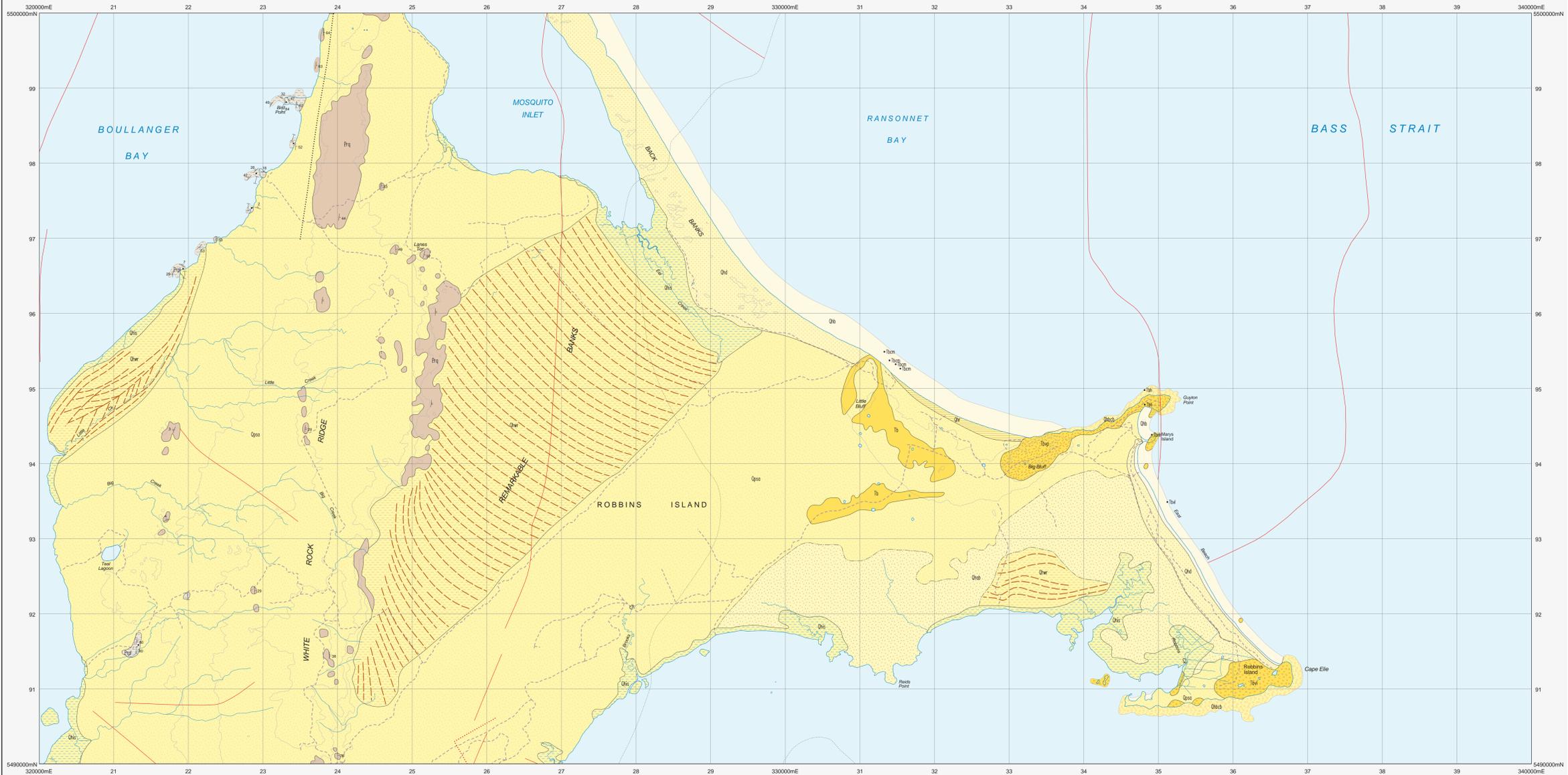


ROBBINS

Scale: 1:25 000



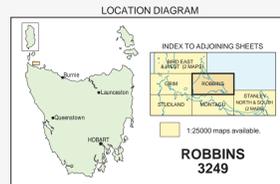
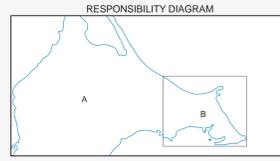
QUATERNARY	HOLOCENE	PLISTOCENE	PALEOCENE - NEOGENE	7 MESOPROTEROZOIC
Qhb	Modern beach sand (Qhb).			
Qhd	Modern dune sand (Qhd).			
Qhcb	Cobble beach derived from Tertiary basalt (Qhcb).			
Qhs	Paralic clay, silt, sand and minor gravel deposits of modern salt marsh and associated tidal flats (Qhs).			
Qhr	Raised beach deposits (Qhr).			
Qhr	Sand of stabilised longitudinal beach ridges (Qhr).			
Qhb	Marsh and swamp deposits (Qhb).			
Qpsa	Older stabilised aeolian sand of predominantly coastal plain (Qpsa).			
	Erosional surface.			
	Basalt and related volcanoclastic rocks (Tb). Outcrop of flow-foot breccia indicated (Tbm).			
	Massive basalt lava (Tbv). Locality of analysed sample with nepheline hawthite composition indicated (Tbn).			
	Flow lava with minor hyaloclastite breccia (Tbv). Localities of analysed samples with hawthite composition indicated (Tbn).			
	Beded vitric tuff; may show cross-bedding, graded bedding, or soft-sediment deformation (Tvt).			
	Angular unconformity.			
	Pale weathering, variably silicified quartzarenite, well bedded and commonly with cross-lamination of trough and planar-tabular types and oscillation ripple bedforms, and with minor horizons of laminated siltstone; fossiliferous; basal to bed reversals of cross-lamination polarity in some sections (Lrg). Graded beds, and some beds up to 30cm thick of fine-grained ripple-laminated quartz sandstone (Laser Feltic) sequence of Robbins Island, Walker Island, Big Sandy Pedrel Islet and Hunter Island (Tqv).			

INTRUSIVE ROCKS	
Tbv	Massive basalt lava (Tbv). Locality of analysed sample with nepheline hawthite composition indicated (Tbn).
Tbv	Flow lava with minor hyaloclastite breccia (Tbv). Localities of analysed samples with hawthite composition indicated (Tbn).

—	Geological boundary - position accurate or approximate.
- - -	Geological boundary - transitional.
.....	Geological boundary - concealed. (Approximate concealed western and southern limit of Tq and related sequences, determined from airborne magnetic data).
---	Fault - unspecified type, position accurate or approximate.
.....	Fault - unspecified type, concealed.
.....	Fault - unspecified type, concealed, inferred from airborne magnetic data.
.....	Unconformity visible in airborne magnetic data.
---	Trends of older stabilised Holocene beach ridges.
---	Limit of mapping.

↗	Strike and dip of bedding, right way up.
↖	Strike and dip of bedding, facing unknown.
↗ ↘	Strike and dip of cleavage, type and relative age unspecified - dipping, vertical.
•	Small outcrop or lag occurrence.

Compiled by D.B. Seymour, B.Sc. Hons, Ph.D. 2006 from the following sources (see responsibility diagram):
A New 1:25 000 scale mapping 1997-2001 by W.D.M. Sutherland (Monash University, Melbourne) with modifications and additions by D.B. Seymour, based on interpretation of aerial photographs and airborne magnetic and paleomagnetic data collected under the Western Tasmanian Regional Minerals Program, 2001.
B.A. for A, with additional information from:
(1) SUTHERLAND, F.L., 1980. Annapurna volcanism in the Tasmanian Tertiary.
(2) In relation to coastal data and river systems. *Proc. Roy. Soc. Tasmania* 114: 177-189.
(3) J.L. Everard pers. comm. Tertiary basalt geomorphology.



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GDA94 - MGA Zone 55. Contour Interval: 20 metres.



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