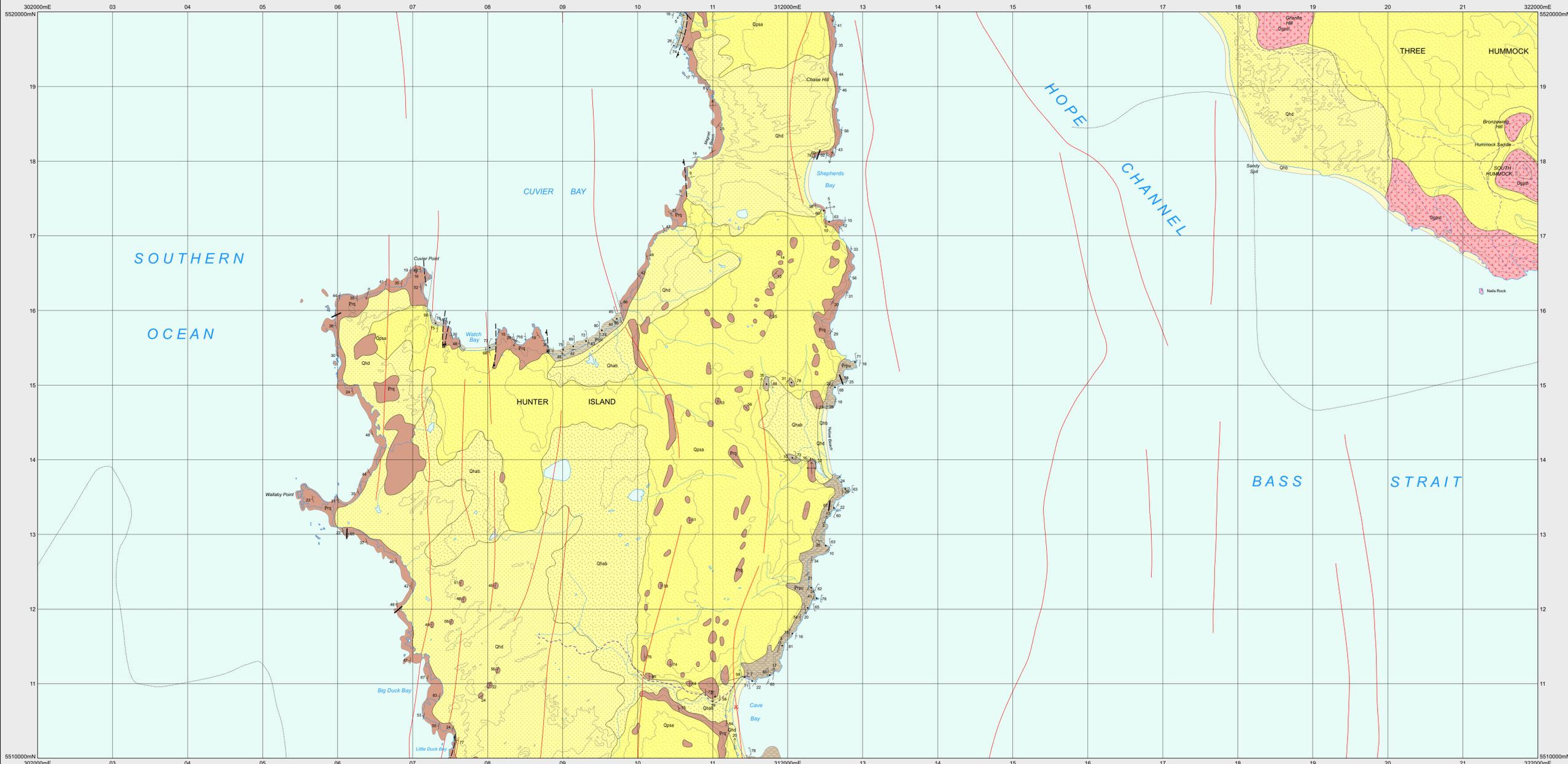


# CUVIER WEST

Scale 1:25 000



Tasmanian Government



### COMPOSITE LEGEND FOR CUVIER EAST AND CUVIER WEST

CENOZOIC	
QUATERNARY	Qhb Modern beach sand (Qhb).
HOLOCENE	Qhd Modern dune sand (Qhd).
PLEISTOCENE	Qhab Marsh and swamp deposits (Qhab).
	Qpsa Older stabilised aeolian sand of predominantly coastal plain (Qpsa).
	Erosional surface.
PALEOGENE - NEOGENE	Tb Basalt and related volcanoclastic rocks (Tb).
	Angular unconformity.
MESOPROTEROZOIC	
	Epip Thinely 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 (in typically lenticular beds up to 3m thick in some sections); ball and pillow structure, grading, and rip-up clasts present. (Upper Pellic' sequence of Hunter Island, eastern Woodnorth peninsula and Harbour Islets) (Epip).
	Epq Pale weathering, variably silicified quartzarenite, well bedded and commonly with cross-lamination of trough and planar-bed types and oscillation ripple bedforms, and with minor horizons of laminated siltstone. Local influence suggested by bed to bed reversals of cross-lamination polarity in some sections (Epq).
	Eppl Dark grey to black, laminated siltstone-claystone with some thin (<1cm) graded beds, and some beds up to 30cm thick of fine-grained ripple-laminated quartz sandstone (Lower Pellic' sequence of Robbins Island, Walker Island, Big Sandy Palaeo Islet and Hunter Island) (Eppl).
	ROCKY CAPE GROUP CORRELATES
INTRUSIVE ROCKS	
PALEOZOIC	Devst Medium- to coarse-grained, porphyritic biotite-muscovite-bearing syenogranite/monzogranite, with variably abundant, large locally flow-aligned potash feldspar phenocrysts, and locally mineral banding and fine-grained melanocratic enclaves (Three Hummock Island Granite, S-type) (Qpsst).

CONTACTS	
—	Geological contact.
- - -	Limit of detailed mapping.
FAULTS	
- - -	Fault.
- - -	Normal fault (downthrown side indicated).
LINEARS	
—	Axial surface trace of major synform.
- - -	Subsurface geological boundary projected to surface.
—	Lineament - visible in magnetic data.

↘ ↗	Strike and dip of bedding, facing known - 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 outcrop-scale fault; vertical.
↘ ↗	Trend and plunge of hinge line of minor fold, unspecified relative age, with sinistral vergence; dextral vergence.
↘ ↗	Trend and plunge of hinge line of minor antiform, unspecified relative age; synform.
↘ ↗	Trend of horizontal hinge line of minor fold, unspecified relative age; synform.
•	Field station for adjacent readings on the map.
✕	Construction material/industrial mineral/gemstone location.

### SOURCE DIAGRAM



- 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 by D.B. Seymour, B.Sc.(Hons), PhD, 2006 from the following sources (see source diagram):

A HALL, W.D.M. (Monash University, Melbourne): New 1:25 000 scale mapping 1997/2001, with additional information from

B JENNINGS, D.J. (unpublished): Geological map of Hunter Island, approx. 1:31 680 scale. Dept. of Mines Tasmania.

C JENNINGS, D.J. 1976: The geology of Three Hummock Island. Dept. of Mines Tasmania. Unpublished Report 157/76.

D EVERARD, J.L., CALVER, C.R., PEMBERTON, J., TAHERI, J., DIXON, G. 1997: Geology of the islands of southwestern Bass Strait. (A contribution to the National Geoscience Mapping Accord). Mineral Resources Tasmania. Record 1997/03.

E D.B. Seymour, 2001. Interpretation of aerial photographs and airborne magnetic radiometric data collected under the Western Tasmanian Regional Minerals Program, 2001.

F D.B. Seymour, 2001. Unpublished interpretation of Western Tasmanian Regional Minerals Program airborne magnetic data covering offshore areas.

### REFERENCE THIS MAP AS:

HALL, W.D.M., JENNINGS, D.J., EVERARD, J.L. and SEYMOUR, D.B. 2006. Digital Geological Atlas 1:25 000 Scale Series, Sheet 3051 Cuvier. Mineral Resources Tasmania.

Base data from the LIST, Copyright State of Tasmania. Mineral Resources Tasmania.

Map produced by Spatial Information Services, Mineral Resources Tasmania.

Website: www.mrt.tas.gov.au

GDA94 - 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.

### LOCATION DIAGRAM

