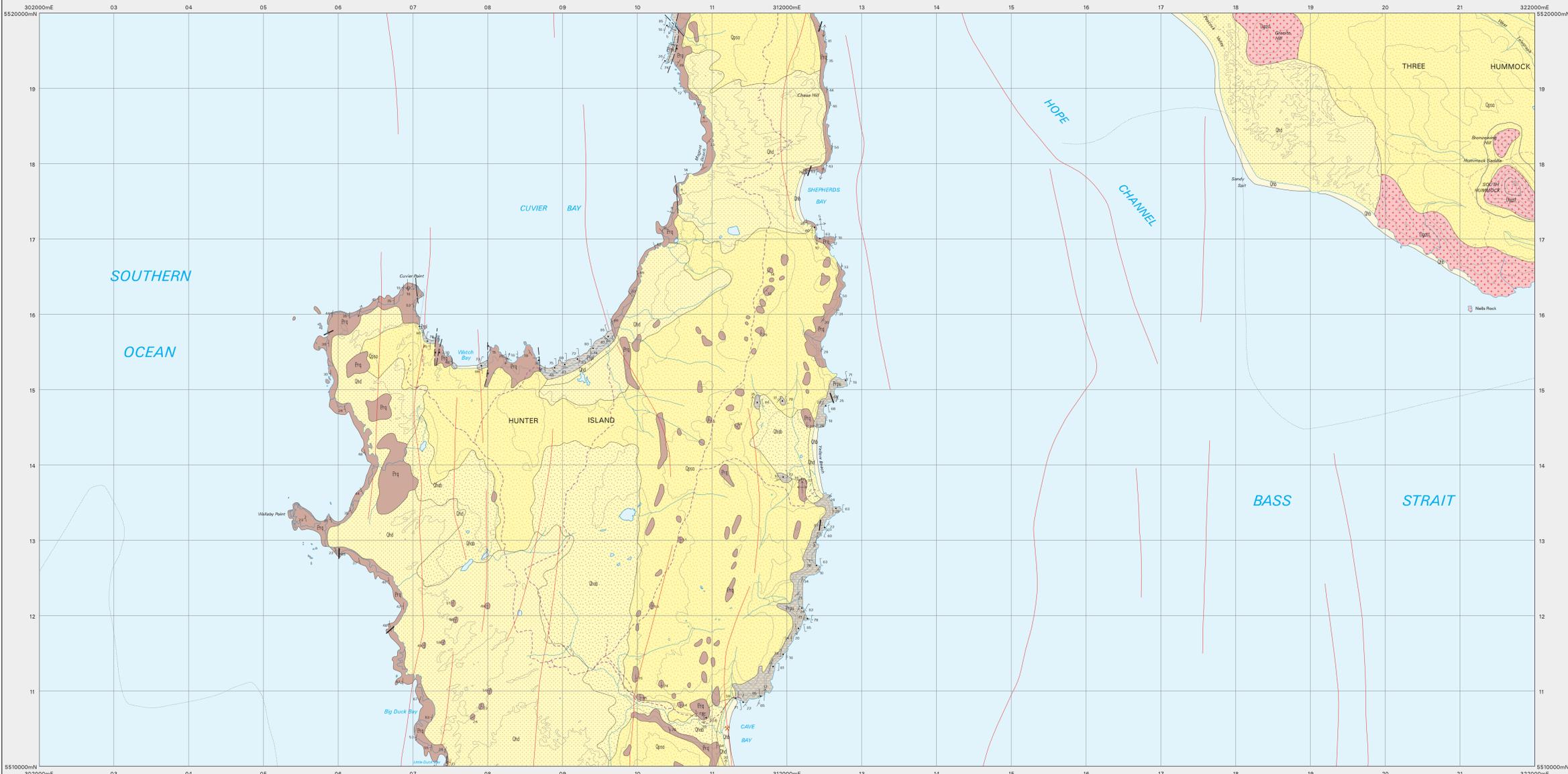
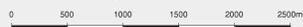


CUVIER WEST

Scale: 1:25 000



COMPOSITE LEGEND FOR CUVIER EAST AND CUVIER WEST

PERIOD	UNIT CODE	DESCRIPTION	
CANGAZOIC	QUATERNARY	Qhb	Modern beach sand (Qhb).
		Qhd	Modern dune sand (Qhd).
		Qhdb	Marsh and swamp deposits (Qhdb).
		Qpsa	Older stabilised aeolian sand of predominantly coastal plain (Qpsa).
TERTIARY	PALEOGENE	Tb	Basalt and related volcanoclastic rocks (Tb).
			Erosional surface.
TRIASSIC-MESO-PROTEROZOIC	PROTEROZOIC	Eryu	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 (in typically metacolic beds up to 2m thick in some sections); ball and pillow structure, grooves, and ripple marks present. (Upper Pelitic sequence of Hunter Island, eastern Bass Strait peninsula and Harbour Islands (Eryu).
		Eryq	Pale weathering, variably silicified quartzarenite, well bedded and commonly with cross-lamination of trough and point-bar types and oscillation ripple bedforms, and with minor horizons of laminated siltstone; tidal influence suggested by bed to bed reversals of cross-lamination polarity in some sections (Eryq).
		Eryt	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 arenite (Lower Pelitic sequence of Bass Strait, Walker Islands (Ba), Sandy Strait (St) and Hunter Island (Eryt).
			Angular unconformity.
PALAEOZOIC	DEVONIAN	Qgsl	Medium- to coarse-grained, leucocratic, porphyritic biotite-muscovite granite/adamellite (S-type), with variably abundant, locally fine-grained large potash feldspar phenocrysts; locally shows mineral banding and/or fine-grained melanocratic enclaves (Qgsl).

- Geological boundary - position accurate or approximate.
- Offshore indicates approximate northern and eastern seafloor limit of Tb west of Hunter Island; seafloor limit of Devonian granite south of Three Hummock Island.
- Fault - unspecified type, position accurate or approximate.
- Normal fault (downthrown side indicated) - position accurate or approx.
- Fault - inferred from airborne magnetic data.
- Lineament visible in airborne magnetic data.
- Axial surface trace of major synform.

- Strike and dip of bedding, facing known - right way up; overturned.
- Strike and dip of bedding, facing unknown - dipping; vertical.
- Strike and dip of cleavage, type and relative age unspecified - dipping, vertical.
- Strike and dip of outcrop-scale fault; vertical.
- Trend and plunge of hinge-line of minor fold, unspecified relative age; with axial vergence; dorsal vergence.
- Trend and plunge of hinge-line of minor fold, unspecified relative age; antiform, synform.
- Trend of horizontal hinge-line of minor fold, unspecified relative age; synform.

Compiled by D.B. Seymour, B.Sc.(Hons), PhD, 2006, from the following sources (see Responsibility Diagram):

A HALL, W.D.M. (Monash University, Melbourne): New 1:25,000 scale mapping 1997-2001 with additions from:
 (i) Interpretation by D.B. Seymour, of airborne magnetic and radiometric data collected under the Western Tasmanian Regional Minerals Program 2001.
 (ii) JENNINGS, D.J. (unpublished): Geological map of Hunter Island, approx. 1:31,680 scale, Dept. of Mines Tasmania.

B Geology sourced with minor modifications from:
 JENNINGS, D.J. 1976: The geology of Three Hummock Island, Tasmania. Dept. of Mines, Unpublished Report 1976/56.
 Additional information on geology provided from:
 EVERARD, J.L., CAUVEN, C.F., PEMBERTON, J., TAYLOR, J., DIXON, G. 1987: Geology of the Islands of south-western Bass Strait. (A contribution to the National Geoscience Mapping Account). Mineral Resources Tasmania, Record 1987/23.

C Additional offshore lineaments interpreted by D.B. Seymour from airborne magnetic data collected under the Western Tasmanian Regional Minerals Program 2001.

REFERENCE THIS MAP AS:
 HALL, W.D.M.; JENNINGS, D.J.; EVERARD, J.L.; SEYMOUR, D.B. 2006.
 Digital Geological Atlas 1:25000 Series, sheet 3051 Cuvier West, Mineral Resources Tasmania.

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 Map produced by the Data Management Branch of Mineral Resources Tasmania using GIS software.
 AOD68 - AMG Zone 55. Contour Interval: 20 metres.

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