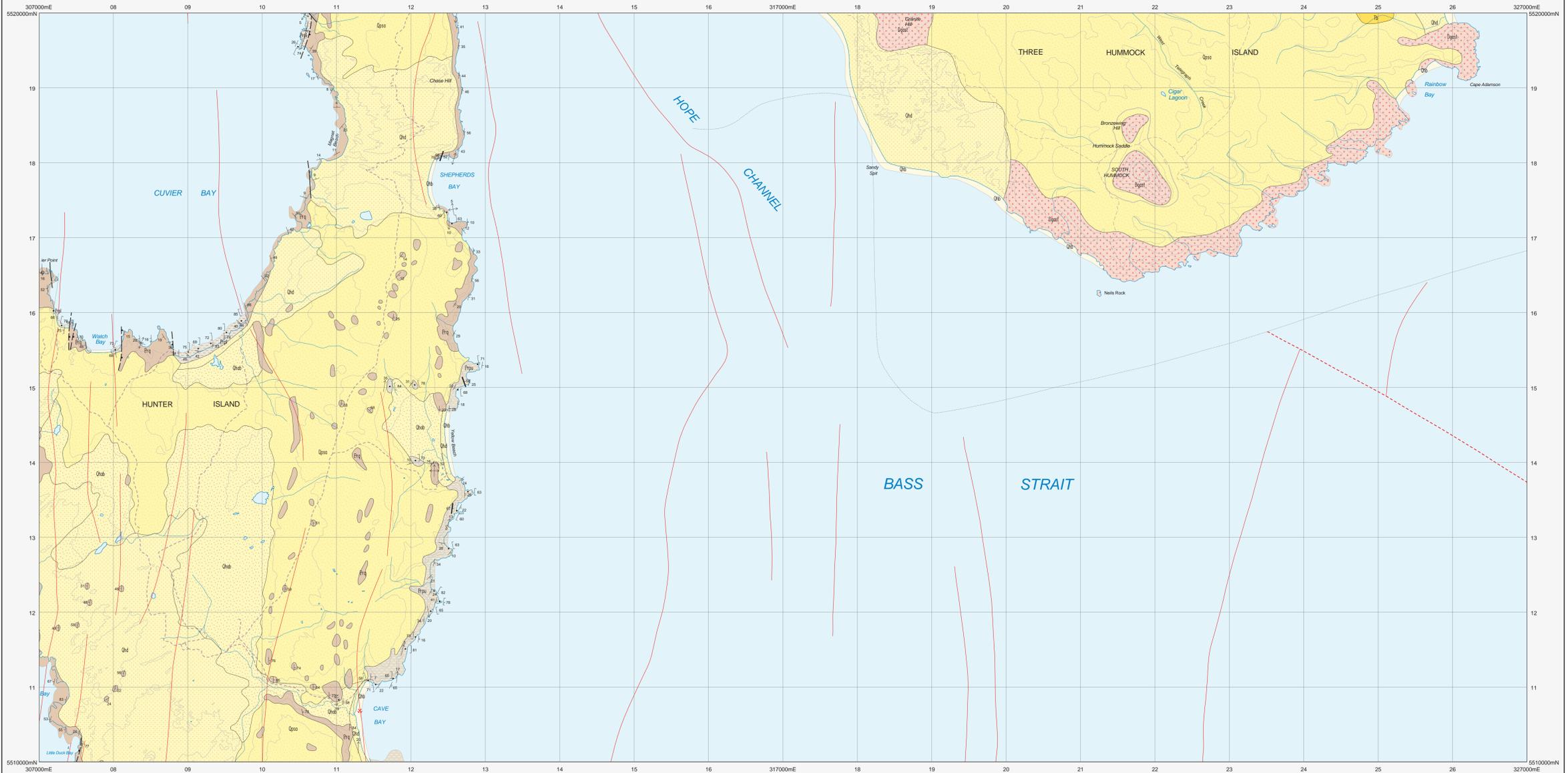


CUVIER EAST

Scale: 1:25 000



COMPOSITE LEGEND FOR CUVIER EAST AND CUVIER WEST

CENOZOIC	QUATERNARY	HOLOCENE	Otb	Modern beach sand (Otb).
			Otd	Modern dune sand (Otd).
			Otb	Marsh and swamp deposits (Otb).
			Opa	Older stabilised aeolian sand of predominantly coastal plain (Opa).
PALEOZOIC	PERMIAN	TRIASSIC	Tb	Basalt and related volcanoclastic rocks (Tb).
				Angular unconformity.
MESOZOIC	TRIASSIC	TRIASSIC	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 (in typically lenticular beds up to 3m thick in some sections), full and pillow structure, grading, and slip-up cleavages present. (Upper Permian) sequence of Hunter Island, eastern Woodborough peninsula and Harbour Islets (Erpu).
			Erq	Pale weathering, variably silicified quartzarenite, well bedded and commonly with cross-lamination of trough and pillar-tubular 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 (Erq).
			Erpl	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 Permian) sequence of Robbins Island, Walker Island, Big Sandy Petrol Islet and Hunter Island. (Erpl).
				INTRUSIVE ROCKS
PALEOZOIC	DEVONIAN	DEVONIAN	Ogpa	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) (Ogpa).

- Geological boundary - position accurate or approximate.
- Geological boundary - concealed. (Inferred from airborne magnetic data where shown otherwise. Indicates approximate northern and eastern seaward limit of Tb west of Hunter Island; seaward 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.
- Limit of mapping.

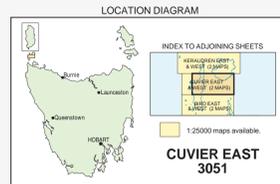
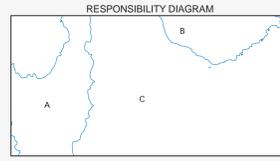
- Strike and dip of bedding, facing known - right way up overturned.
- Strike and dip of bedding, facing unknown.
- Strike and dip of cleavage of unspecified type and relative age.
- Strike and dip of outcrop-scale fault; vertical.
- Trend and plunge of hinge line of minor fold, unspecified relative age; with sinistral vergence; dextral vergence.
- Trend and plunge of hinge line of minor antiform, unspecified relative age.
- Trend of horizontal hinge line of minor fold, unspecified relative age; synform.
- Location of adjacent structural readings.
- Construction material/industrial mineral/guestone location - Data derived from Mineral Resources Tasmania (MRT) data base. Data point position has not been verified in every case.

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 (1) interpretation by D.B. Seymour, of airborne magnetic and radiometric data collected under the Western Tasmanian Regional Minerals Program (2001).

B. JENNINGS, D.J. (unpublished): Geological map of Hunter Island, scale: 1:31 000 scale, Dept. of Mines Tasmania.

C. Additional offshore bearings 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. and SEYMOUR, D.B. 2006. Digital Geological Atlas 1:25 000 Scale Series, Sheet 3051, Cuvier. Mineral Resources Tasmania.

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Map produced by the Geoscience Information Branch of Mineral Resources Tasmania using G.I.S. software.
GDAS4 - MGA Zone 55. Contour Interval: 20 metres.

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