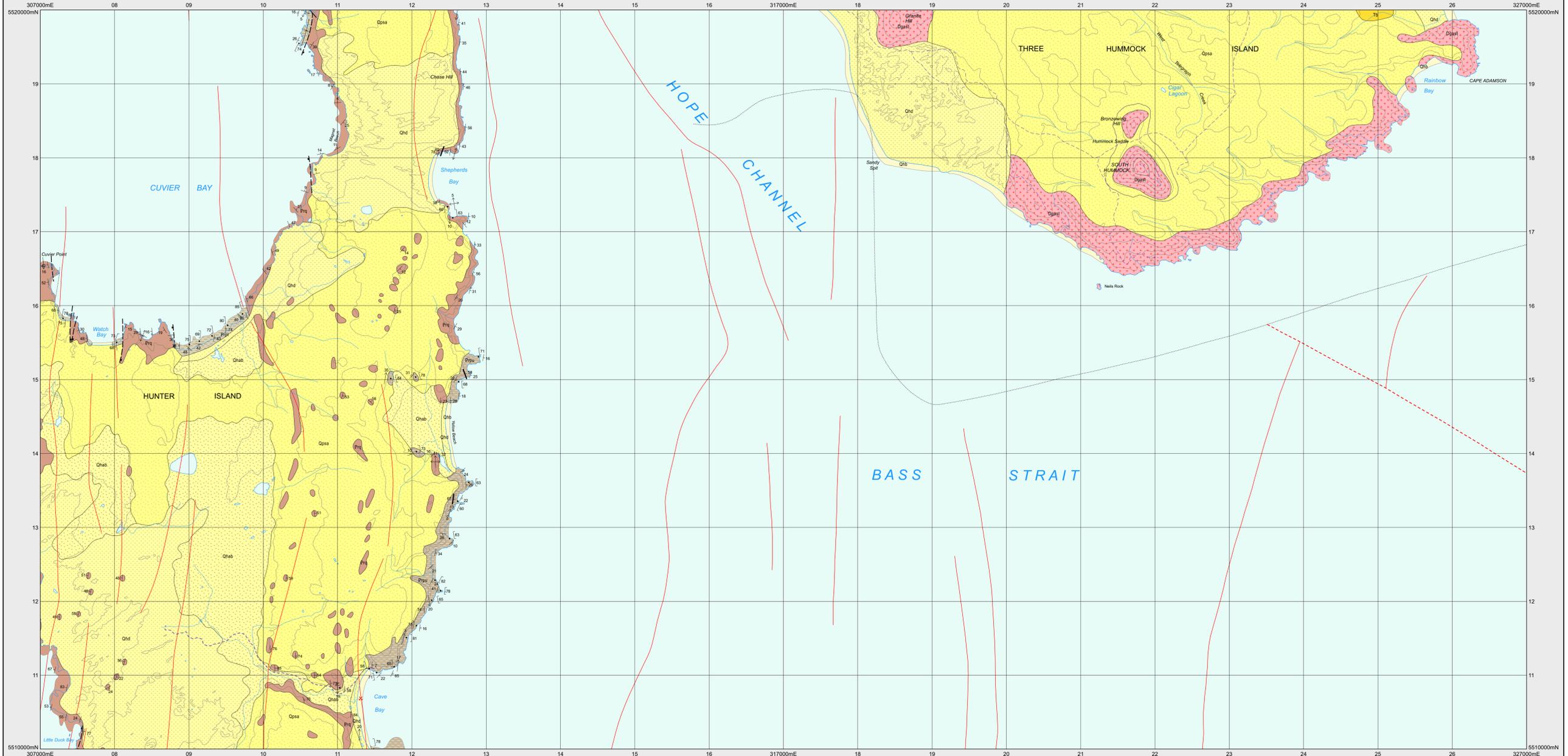


CUVIER EAST

Scale 1:25 000

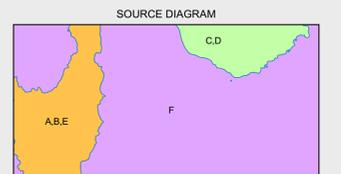


COMPOSITE LEGEND FOR CUVIER EAST AND CUVIER WEST

PERIOD	UNIT CODE	DESCRIPTION	
CENOZOIC	QUATERNARY	Qhb	Modern beach sand (Qhb).
		Qhd	Modern dune sand (Qhd).
		Qhab	Marsh and swamp deposits (Qhab).
		Qpsa	Older stabilised aeolian sand of predominantly coastal plain (Qpsa).
PALEOZOIC-NEOGENE	Tb	Basalt and related volcanoclastic rocks (Tb).	
		Erosional surface.	
MESOPROTEROZOIC	ROCKY CAPE GROUP CORRELATES	Epvu	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); ball and pillow structure, grading, and rip-up clasts present. (Upper Pellic' sequence of Hunter Island, eastern Woodnorth peninsula and Harbour Islets) (Epvu).
		Epvq	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. Iscl influence suggested by bed to bed reversals of cross-lamination polarity in some sections (Epvq).
		Epvl	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). (Epvl).
			Angular unconformity.
PALEOZOIC	DEVONIAN	Dqstf	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) (Dqstf).

CONTACTS	DESCRIPTION
—	Geological contact.
- - -	Limit of detailed mapping.
FAULTS	DESCRIPTION
- - - - -	Fault.
- - - - -	Fault - inferred from magnetic data.
- - - - -	Normal fault (downtrown side indicated).
LINEARS	DESCRIPTION
—	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.
	Trend of horizontal hinge line of minor fold, unspecified relative age, synform.
	Field station for adjacent readings on the map.
	Construction material/industrial mineral/pegmatite location.



- A: Highly detailed (eg. more detailed than 1:25 000 scale mapping).
- B: Detailed systematic (eg. 1:25 000 map or equivalent detail).
- C: Regional systematic (eg. 1:50 000, 1:63 360 map or equivalent (all other scales)).
- D: Regional mapping less detailed than 1:63 360 map or equivalent (all other scales).
- E: Reconnaissance mapping with sparse ground traverses.
- F: 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):

- HALL, W.D.M. (Monash University, Melbourne): New 1:25 000 scale mapping 1997/2001, with additional information from
- JENNINGS, D.J. (unpublished): Geological map of Hunter Island, approx. 1:31 680 scale. Dept. of Mines Tasmania.
- JENNINGS, D.J. 1976: The geology of Three Hummock Island. Dept. of Mines Tasmania. Unpublished Report.
- 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.
- D.B. Seymour, 2001. Interpretation of aerial photographs and airborne magnetic radiometric data collected under the Western Tasmanian Regional Minerals Program, 2001.
- D.B. Seymour, 2001. Unpublished interpretation of Western Tasmanian Regional Minerals Program airborne magnetic data covering offshore areas.

REFERENCE THIS MAP AS:

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Base data from the LIST, Copyright State of Tasmania.

Map produced by Spatial Information Services, Mineral Resources Tasmania.

Website: www.mrt.tas.gov.au

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

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LOCATION DIAGRAM

