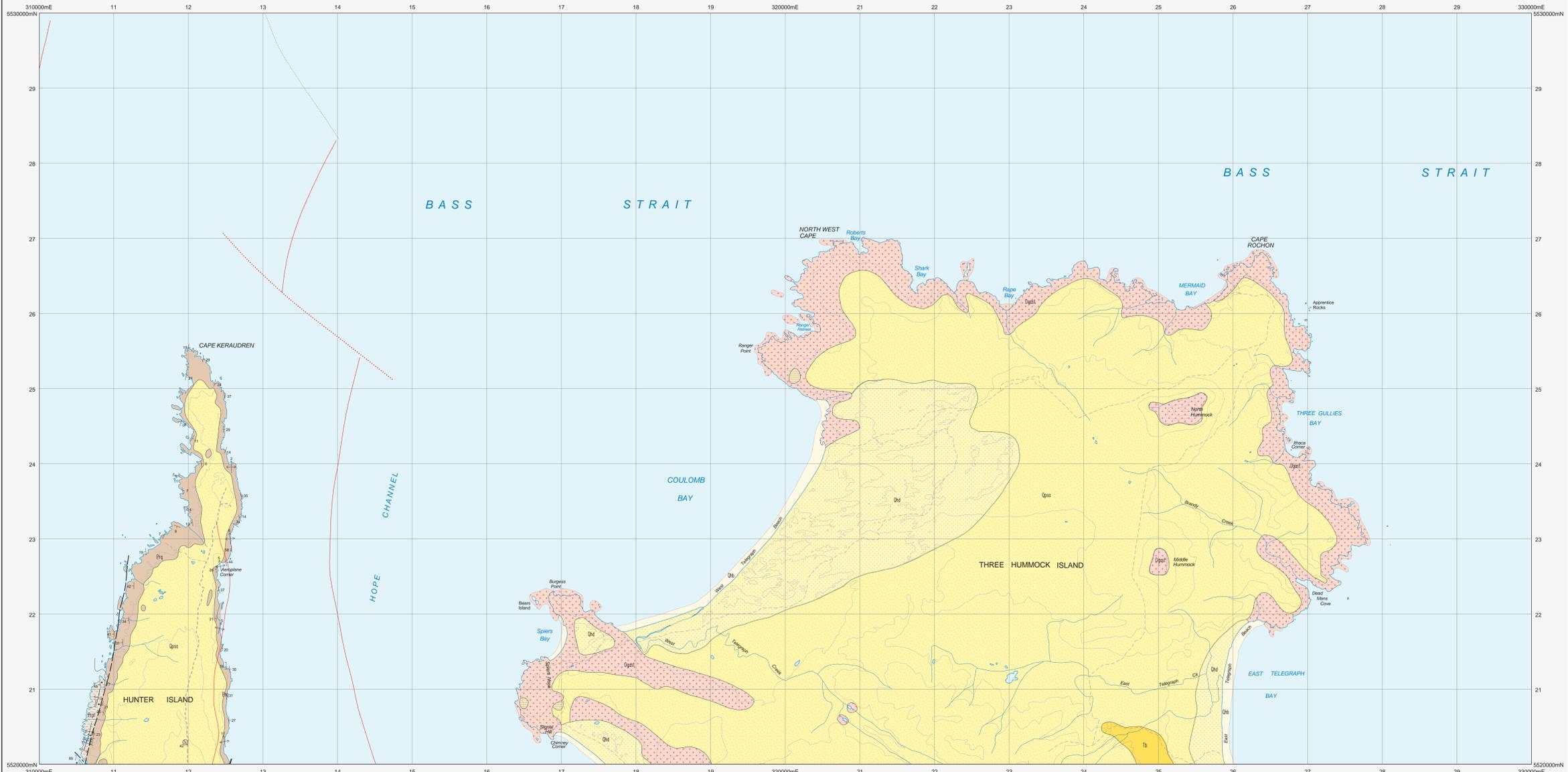


KERAUDREN EAST

Scale: 1:25 000



COMPOSITE LEGEND FOR KERAUDREN EAST AND KERAUDREN WEST

CENOZOIC	QUATERNARY	Qsb	Modern beach sand (Qsb).
		Qsd	Modern dune sand (Qsd).
		Qpsa	Older stabilised aeolian sand of predominantly coastal plain (Qpsa).
PALEOZOIC - MESOZOIC		TQca	Calcrete (fast, related to Paleogene - Neogene or Quaternary limestone (TQca)).
		Tb	Basalt (Tb).
NEO-PROTEROZOIC		Pscs	Thick-bedded to massive, clast-supported, cobble-boulder conglomerate (with dominant, rounded clasts of white or pink quartzite, and rare angular clasts of dark grey or red siltstone), with coarse quartz sandstone matrix, and minor (SS) interstratified beds up to 600mm thick of coarse-grained sandstone. (Pscs). (Probable correlate of Forest Conglomerate and Quartzite).
		Prq	Pale weathering, variably silicified quartzarenite, well bedded and commonly with cross-lamination of trough and point-barular types and oscillation ripple bedforms, and with minor horizons of laminated siltstone; tidal influence suggested by bed to bed reversals of cross-orientation polarity in some sections (Prq).
		Ptl	Dark grey to black, laminated siltstone-claystone with some thin (cm) graded beds, and some beds up to 30cm thick of fine-grained ripple-laminated quartz sandstone (Lower Pelitic sequence of Hobbs Island, Water Island, Big Sandy Point and Hunter Island) (Ptl).
PALEOZOIC	DEVONIAN	Dgsel	Medium- to coarse-grained, porphyritic biotite-muscovite-bearing syenogranite/monzogranite, with variably abundant, large locally flow-aligned perthite phenocrysts, and locally mineral inclusions and fine-grained mesocratic inclusions (Three Hummock Island Granite, S-type) (Dgsel).

—	Geological boundary - position accurate or approximate.
- - -	Geological boundary - concealed (indicates approximate western seafloor limit of Devonian granite in Hope Channel).
- · - · -	Fault - unspecified type, position accurate or approximate.
- · - · - · - · -	Fault - unspecified type, concealed, inferred from airborne magnetic data.
- · - · - · - · - · -	Lineament visible in airborne magnetic data, indicates approximate western seafloor limit of Devonian granite in Hope Channel).
↑	Axial surface trace of major anticline.
—	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 - (dip), vertical.
/ \	Strike of vertical outcrop-scale fault of unspecified relative age, type unspecified.
~	Trend and plunge of hinge line of minor anticline, unspecified relative age.
•	Location of adjacent structural readings.

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 1992-2001 with additions from (1) Interpretation by D.B. Seymour, of airborne magnetic and radiometric data collected under the Western Tasmanian Regional Minerals Program 2001.

(2) JENNINGS, D.J. (unpublished): Geological map of Hunter Island, 1:50 000 scale, Dept. of Mines Tasmania.

B Geology sourced from: BANKS, M.R. 1989: Notes on the geology and geomorphology of Albatross Island, Riv. Queen Victoria Museum 95. (Revised West only).

C Geology sourced with minor modifications from: JENNINGS, D.J. 1976: The geology of Three Hummock Island, Tasmania Dept. of Mines, Unpublished Report 1976/06. Additional information on general geology from: EVERARD, J.L., CALVER, C.H., PEMBERTON, J., TAMER, J., DIXON, G. 1997: Geology of the Islands of Southwestern Bass Strait (A contribution to the National Geoscience Mapping Access). Mineral Resources Tasmania, Report 1997/03.

D Additional offshore lines 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., BANKS, M.R. and SEYMOUR, D.B. (compilers) 2008. Digital Geological Atlas 1:25 000 Scale Series. Sheet 3152, Keraudren, Mineral Resources Tasmania.

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Map produced by the Geoscience Information Branch of Mineral Resources Tasmania using G.I.S. software.
GDA94 - MGA Zone 55. Contour Interval: 20 metres.



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