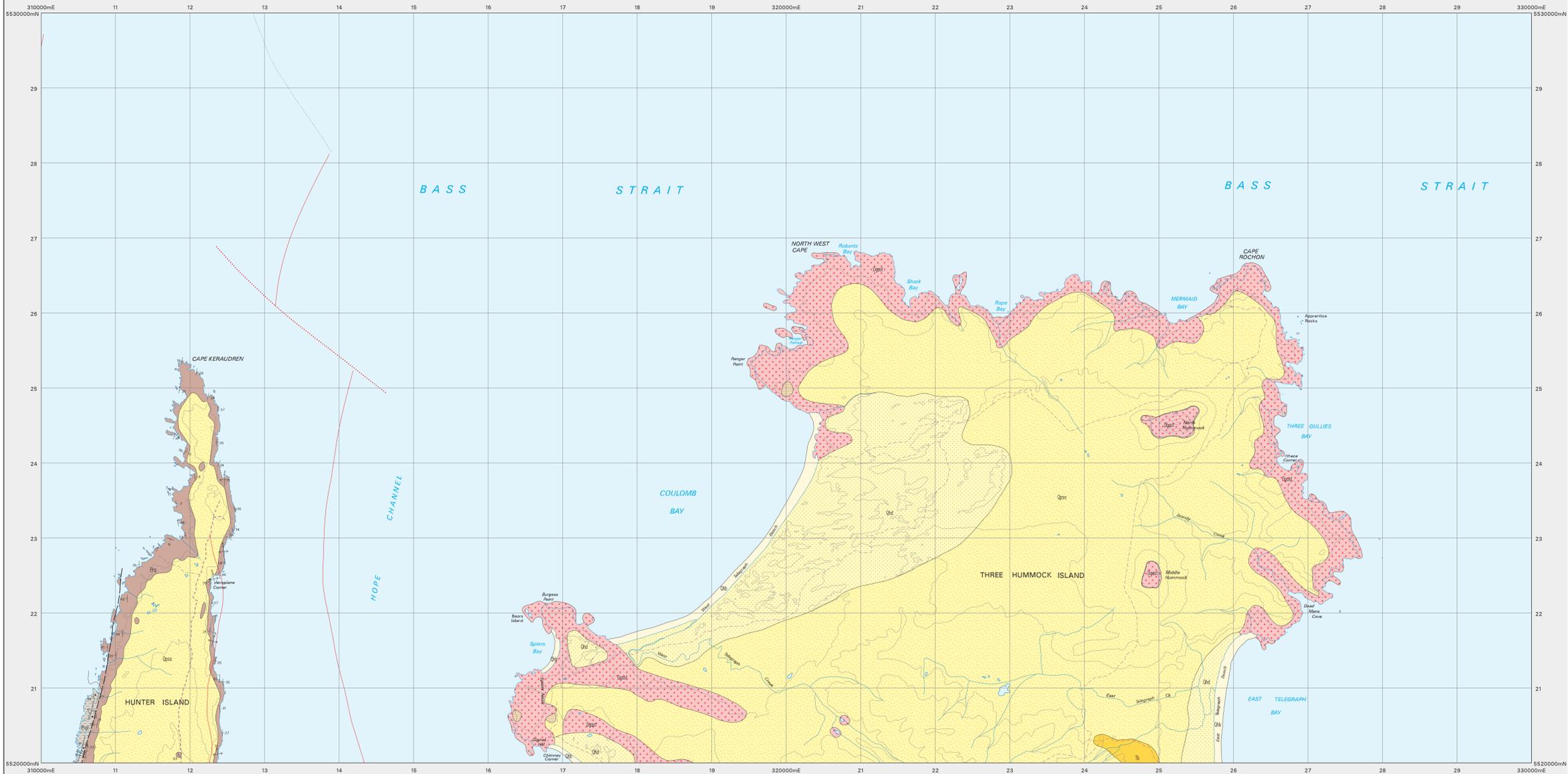


KERAUDREN EAST



COMPOSITE LEGEND FOR KERAUDREN EAST AND KERAUDREN WEST

PERIOD	UNIT	DESCRIPTION
QUATERNARY	Qm	Modern beach sand (Qm).
	Qnd	Modern dune sand (Qnd).
	Qpsa	Old stabilised aeolian sand of predominantly coastal plain (Qpsa).
TERTIARY	TQca	Calcrete floor, related to Tertiary or Quaternary limestone (TQca).
	Tb	Basalt (Tb).
LATE MEO-PROTEROZOIC	Bac	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 (5%) impersistent beds up to 600mm thick of coarse-grained sandstone. (Epsc). (Probable correlate of Forest Conglomerate and Quartzite).
	Evq	Pale weathering, variably siltified quartzite, well bedded and commonly with cross-lamination of trough and planar-lethal types and occasional ripple bedforms, and with minor portions of laminated siltstone; local influence suggested by bed to bed reversals of cross-lamination polarity in some sections (Evq).
EARLY MEO-PROTEROZOIC	Evq	Dark grey to black, laminated siltstone-siltstone with some thin (<1m) graded beds, and some beds up to 30cm thick of fine-grained siltstone-laminated quartz sandstone (Lower Pellic sequence of Robbins Island, Walker Island, Big Sandy Fossil list and Hunter Island) (Evq).
	Evq	Dark grey to black, laminated siltstone-siltstone with some thin (<1m) graded beds, and some beds up to 30cm thick of fine-grained siltstone-laminated quartz sandstone (Lower Pellic sequence of Robbins Island, Walker Island, Big Sandy Fossil list and Hunter Island) (Evq).
PALAEOZOIC	Dgms	Medium- to coarse-grained, facioclastic, porphyritic biotite-muscovite granite/adamellite (S-type), with variably abundant, locally fine-grained large pinkish felsic gneissic rocks, locally showing mineral banding and/or fine-grained melanocratic enclaves (Dgms).

- 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.

- 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 - dipping vertical.
- Trend and plunge of hinge of minor anticline, unspecified relative age.

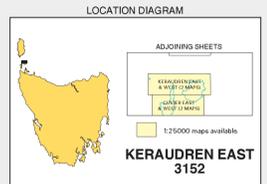
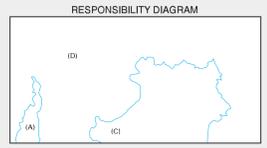
Compiled by E.B. Seymour, B.Sc.(Hons), PhD, 2006, from the following sources (see Responsibility Diagram):

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

B Geology sourced from:
BANKS, M.R. (1988) Notes on the geology and geomorphology of Albatross Island, Tas. Queen Victoria Museum 95, Kensington Vic (n.s.).

C Geology sourced with minor modifications from:
JENNINGS, D.J. (1978) The geology of Three Hummock Island, Tasmania Dept. of Mines, Unpublished Report 1976/56.
Additional information on granite petrology sourced from:
EVERARD, J.L., CALVER, C.P., 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 1997/02.

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



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HALL, W.D.M.; JENNINGS, D.J.; EVERARD, J.L.; BANKS, M.R.; SEYMOUR, D.B. 2006. Digital Geological Atlas 1:25000 Series, sheet 3152 Keraudren. Mineral Resources Tasmania.

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Map produced by the Data Management Branch of Mineral Resources Tasmania using GIS software.

A0068 - AMG Zone 55. Contour Interval: 20 metres.

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