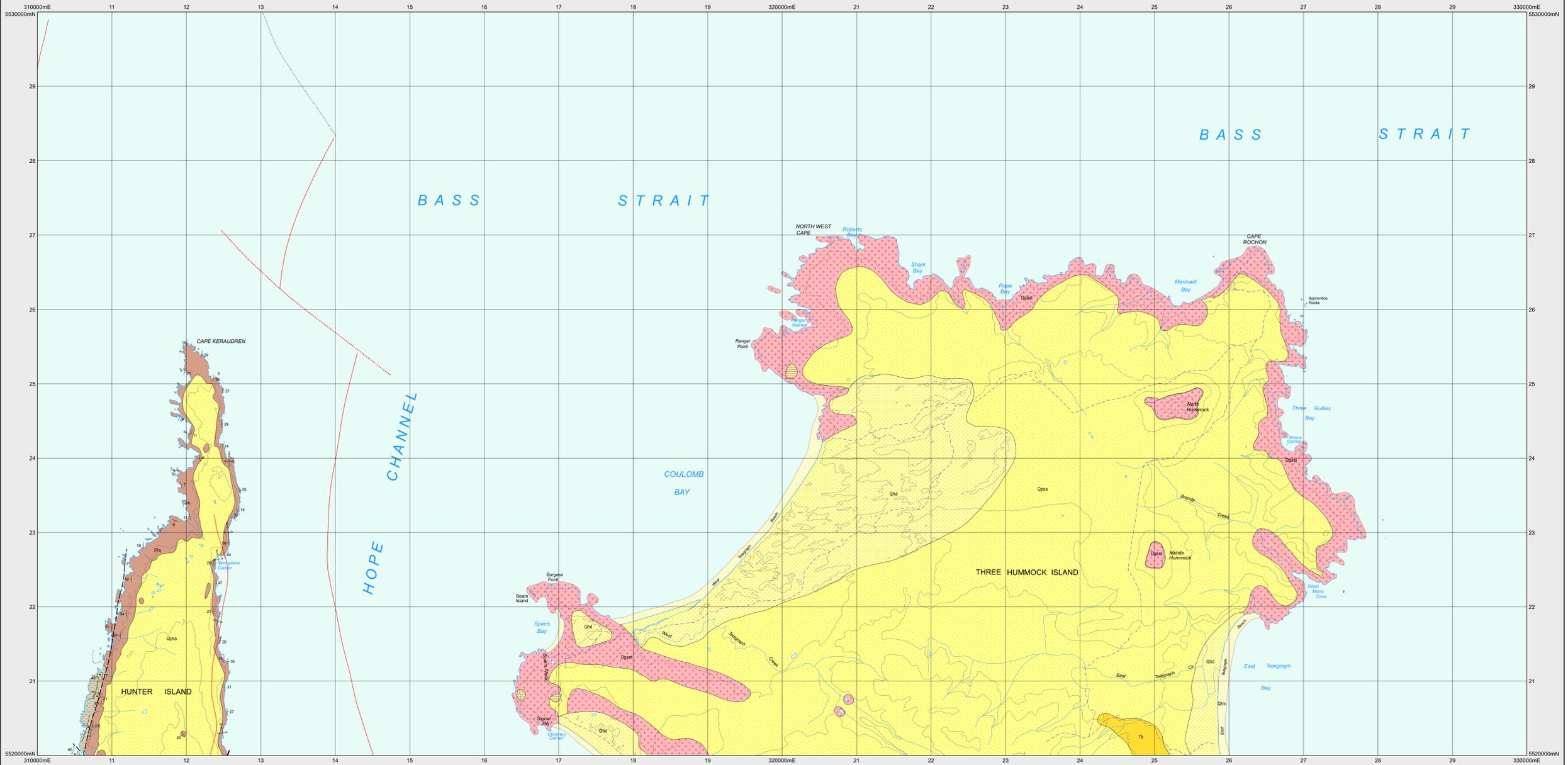


KERAUDREN EAST

Scale 1:25 000
0 500 1000 1500 2000 2500m



COMPOSITE LEGEND FOR KERAUDREN EAST AND KERAUDREN WEST

PERIOD	UNIT	DESCRIPTION
QUATERNARY	Qhb	Modern beach sand (Qhb).
	Qhd	Modern dune sand (Qhd).
	Qpsa	Older stabilised aeolian sand of predominantly coastal plain (Qpsa).
PALEOCENE - NEOGENE	TQca	Calcrete float, related to ?Paleogene - Neogene or ?Quaternary limestone (TQca).
	Tb	Basalt (Tb).
MESO-PROTEROZOIC	Ppsa	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. (Ppsa). (Probable correlate of Forest Conglomerate and Quartzite).
	Prq	Pale weathering, variably silicified quartzarenite, well bedded and commonly with cross-lamination of trough and planar-debilitate 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 (Prq).
	Prpl	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 Pallic? sequence of Roberts Island, Walker Island, Big Sandy Point and Hunter Island) (Prpl).
PALEOZOIC	Dgsl	Medium- to coarse-grained, porphyritic biotite-muscovite-bearing syenogranite/monzogranite, with variably abundant, large locally flow-aligned perthite phenocrysts, and locally regional banding and fine-grained melanocratic enclaves (Three Hummock Island Granite; S-type) (Dgsl).

CONTACTS	DESCRIPTION
—	Geological contact.
- - -	Limit of detailed mapping.
FAULTS	DESCRIPTION
- - -	Fault.
- - -	Fault - concealed, inferred from magnetic data.
LINEARS	DESCRIPTION
—	Axial surface trace of major antiform.
- - -	Subsurface geological boundary projected to surface.
- - -	Lineament - visible in magnetic data.

/	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.
/	Strike of vertical outcrop-scale fault of unspecified relative age, type unspecified.
/	Trend and plunge of hinge line of minor antiform, unspecified relative age.
.	Field station for adjacent readings on the map.

SOURCE DIAGRAM



- Highly detailed (eg. more detailed than 1:25 000 scale mapping).
- Detailed systematic (eg. 1:25 000 map or equivalent detail).
- Regional systematic (eg. 1:50 000, 1:63 360 map or equivalent detail).
- Regional mapping less detailed than 1:63 360 map or equivalent (all other scales).
- Reconnaissance mapping with sparse ground traverses.
- 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 1972/2001.
 - SUTHERLAND, F.L., CORBETT, K.D. 1967. The Tertiary volcanic rocks of far north-western Tasmania. Pap. Proc. Roy. Soc. Tasmania 101: 71-90.
 - SUTHERLAND, F.L. 1980. Agapene volcanism in the Tasmanian Tertiary in relation to coastal seas and river systems. Pap. Proc. Roy. Soc. Tasmania 114: 177-199.
 - BANKS, M.R. 1989. Notes on the geology and geomorphology of Albatross Island. Rec. Queen Victoria Museum 95 (Keraudren West only).
- Updated with additional information from:
- 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 159/03.
 - JENNINGS, D.J. 1976. The geology of Three Hummock Island. Tasmanian Dept. of Mines, Unpublished Report 1976/56.
 - JENNINGS, D.J. (unpublished). Geological map of Hunter Island, approx. 1:31 600 scale. Plan 344A Dept. of Mines Tasmania.
 - 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 WTRMP airborne magnetic data covering offshore areas.

REFERENCE THIS MAP AS:

HALL, W.D.M., JENNINGS, D.J., EVERARD, J.L., BANKS, M.R. and SEYMOUR, D.B. (compilers) 2006. Digital Geological Atlas 1:25 000 Scale Series. Sheet 3152 Keraudren, Mineral Resources Tasmania.

Base data from the LIST, Copyright State of Tasmania.

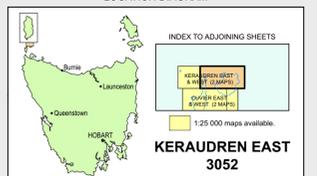
Map produced by Spatial Information Services, Mineral Resources Tasmania.
Website: www.mrt.tas.gov.au

GD494 - MGA Zone 55. Contour Interval: 20 metres.



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LOCATION DIAGRAM



1:25 000 maps available.
KERAUDREN EAST
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