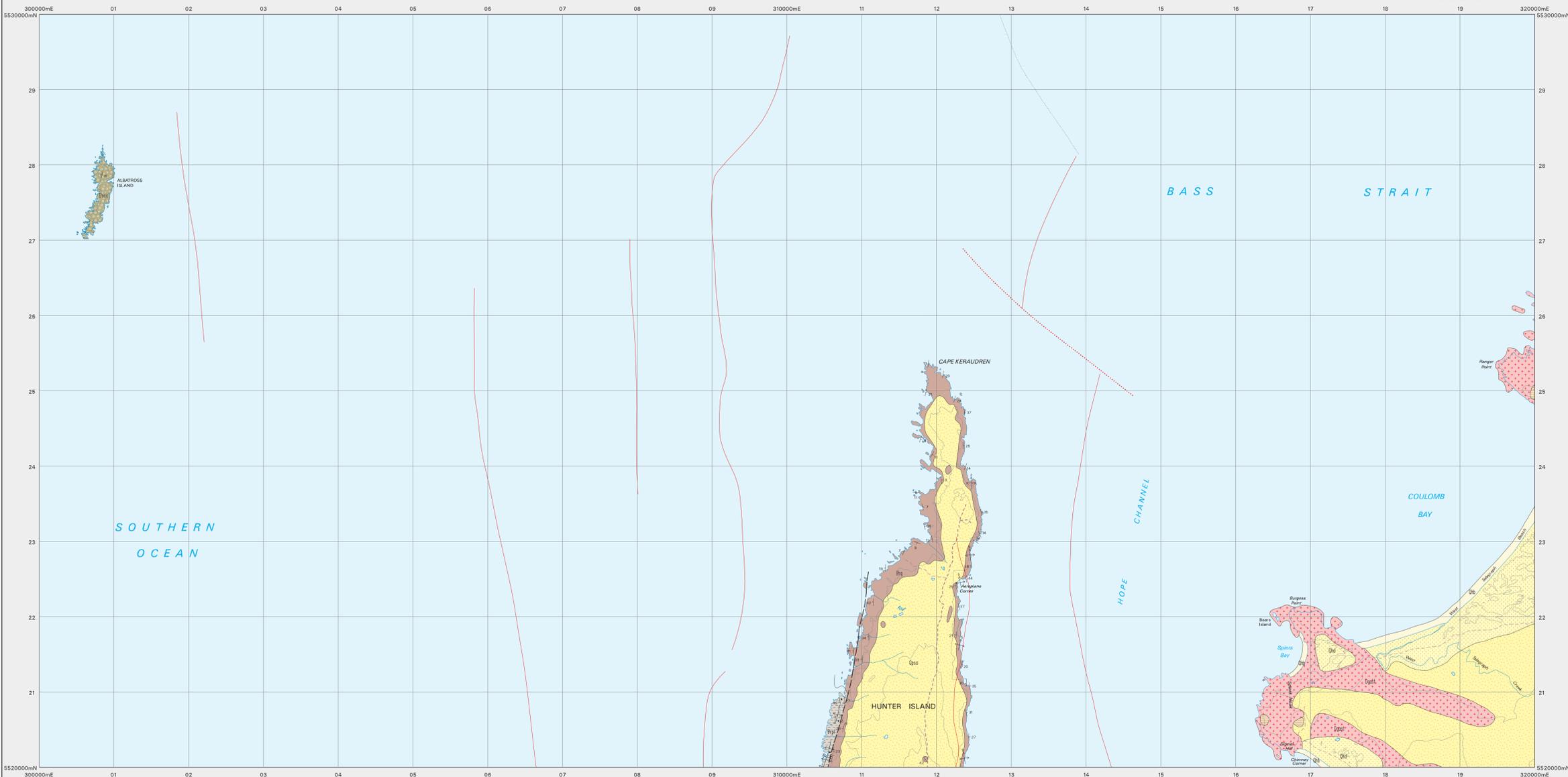


KERAUDREN WEST

MINERAL RESOURCES TASMANIA
DIGITAL GEOLOGICAL ATLAS 1:25 000 SERIES
KERAUDREN WEST, SHEET 3152



COMPOSITE LEGEND FOR KERAUDREN EAST AND KERAUDREN WEST

Geological Unit	Description
Quaternary	
Qns	Modern beach sand (Qns).
Qnd	Modern dune sand (Qnd).
Qpsa	Older stabilised aeolian sand of predominantly coastal plain (Qpsa).
	Erosional surface.
Tertiary	
TQca	Calcrete floor, related to Tertiary or Quaternary limestone (TQca).
Tb	Basalt (Tb).
	Angular unconformity.
Late Neoproterozoic	
Bca	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).
	Inferred angular unconformity.
Early Neoproterozoic	
Evq	Pale weathering, variably silicified quartzarenite, 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).
Evp	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 Peninsula and Hunter Island) (Evp).
Palaeozoic	
Dgms	Medium- to coarse-grained, facioclastic, porphyritic biotite-muscovite granite/adamellite (S-type), with variably abundant, locally fine-grained large potash feldspar phenocrysts; locally shows 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.
- Lipscott 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 D.B. Seymour, B.Sc.(Hons), Ph.D. 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 Tasmania 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. Rep. Queen Victoria Museum 95, Renascence West (n.s.).

C Geology sourced with minor modifications from:
JENNINGS, D.J. (1978): The geology of Three Hammock 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 linear features interpreted by D.B. Seymour from airborne magnetic data collected under the Western Tasmania Regional Minerals Program 2001.

REFERENCE THIS MAP AS:
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.

Base data from the LIST, Copyright State of Tasmania.

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

A0066 - AMG Zone 55. Contour Interval: 20 metres.

While every care has been taken in the preparation of this data, no warranty is given as to the correctness of the information and no liability is accepted for any statement or opinion or for any error or omission. No reader should act or fail to act on the basis of any material contained herein. Readers should consult professional advisors. As a result the Crown in Right of the State of Tasmania and its employees, contractors and agents expressly disclaim all and any liability (including all liability from or attributable to any negligent or wrongful act or omission) to any persons whatsoever in respect of anything done or omitted to be done by any such person in reliance whether in whole or in part upon any of the material in this data. Crown copyright reserved.

