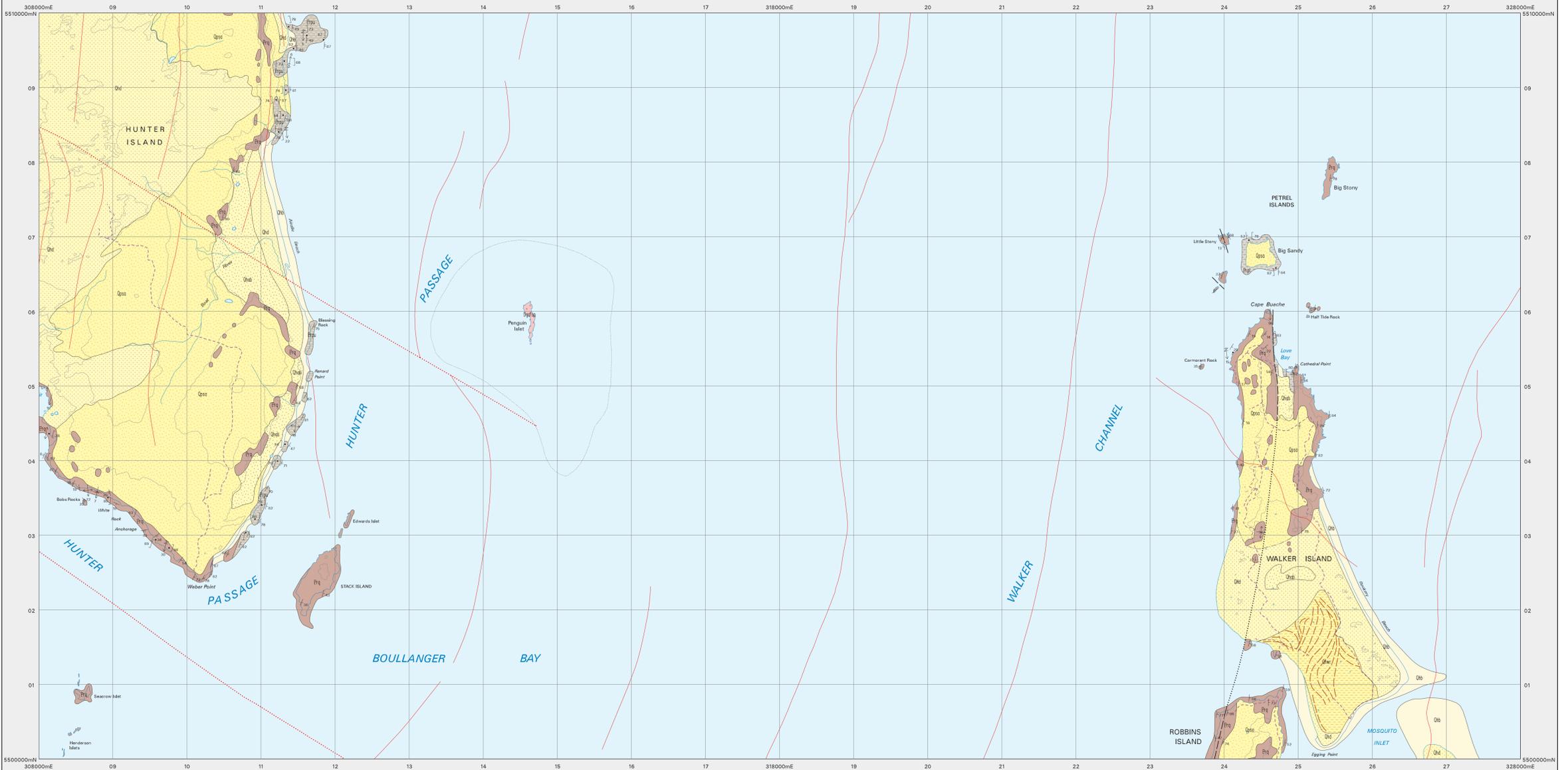


BIRD EAST

Scale: 1:25 000



COMPOSITE LEGEND FOR BIRD EAST AND BIRD WEST

PERIOD	UNIT CODE	DESCRIPTION	
CENOZOIC	QUATERNARY	Qhb	Modern beach sand (Qhb).
		Qhd	Modern dune sand (Qhd).
		Qdhr	Sand of stabilised longitudinal beach ridges (Qdhr).
		Qhob	Marsh and swamp deposits (Qhob).
		Qpsa	Older stabilised aeolian sand of predominantly coastal plain (Qpsa).
TERTIARY	Tb, Tbcm	Basalt and related volcanoclastic rocks (Tb). Crudely bedded basaltic pyroclastic rocks; pillow and fochytic breccias and hyaloclastite, with subordinate olivine basalt lava and pillow lava (Tbcm).	
		Angular unconformity.	
TERTIARY-MESO-PROTEROZOIC	Trq, Trq1	Thinly interbedded, massive, green and grey laminated quartzite-siltstone and white, cream, grey and brown, commonly cross-bedded and ripple-marked, fine- to medium-grained quartzite (Trq) typically with vertical beds up to 5m thick in some sections; ball and pillow structure, grooves and rip-up clasts present (Upper Pellic's sequence of Hunter Island, eastern Woodville peninsula and Hobart Islets). (Trq).	
		Pale weathering, variably silicified quartzite, well bedded and commonly with cross-lamination of trough and plane-tabular types and oscillation ripple bedforms, and with minor horizons of laminated siltstone; top surface suggested by bed to bed reversals of cross-lamination polarity in some sections (Trq).	
		Dark grey to black, laminated siltstone-claystone with some thin (<1m) graded beds, and some beds up to 10cm thick of fine-grained ripple-laminated quartz sandstone (Lower Pellic's sequence of Robbins Island, Walker Island, Big Sandy Petrel Islet and Hunter Island). (Trq1).	
		INTRUSIVE ROCKS	
PALEOZOIC	Dgtsf	Medium-grained, leucocratic, porphyritic biotite-muscovite granite (S-type), containing tabular potash feldspar phenocrysts, locally aligned to define a crude phreoclast foliation (Dgtsf).	

—	Geological boundary - position accurate or approximate.
- - - - -	Geological boundary - concealed (inferred from airborne magnetic data where shown offshore; indicates approximate eastern sector limit of Tb and related sequences west of Bird Island and/or limit of Penguin Islet granite).
— · — · — ·	Fault - unspecified type, position accurate or approximate.
— · — · — ·	Fault - unspecified type, concealed.
— · — · — ·	Fault - concealed, inferred from airborne magnetic data.
- - - - -	Normal fault (downthrown side indicated) - position accurate or approx.
— · — · — ·	Lineament visible in airborne magnetic data.
— · — · — ·	Trends of older stabilised Holocene beach ridges.

↗ ↘	Strike and dip of bedding, facing known - right way up overturned; vertical (facing indicated by single tick).
↗ ↘	Strike and dip of bedding, facing unknown - dipping, vertical.
↗ ↘	Strike and dip of cleavage, type and relative age unspecified - dipping, vertical.
↗ ↘	Strike and dip of outcrop-scale fault, vertical.
↗ ↘	Trend and plunge of hinge-line of minor fold, unspecified relative age, with axial vergence; dextral vergence.
↗ ↘	Trend and plunge of hinge-line of minor fold, unspecified relative age, antiform, gentian.
↗ ↘	Trend of horizontal hinge-line of minor fold, unspecified relative age, synform.

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) SUTHERLAND, F.L. (DEC): Aquagene volcanism in the Tasmanian Territory, in relation to coastal basins and river systems. Post-Press Doc. Tasmania 14/175789.
 B HALL, W.D.M. (Monash University, Melbourne): New 1:25,000 scale mapping 1997-2001 with modifications and additions by D.B. Seymour, based on interpretation of aerial photographs and airborne magnetic and radiometric data collected under the Western Tasmanian Regional Minerals Program 2001, (last last entry).
 C Geology sourced from:
 (1) EVERARD, J.L., CALVER, C.R., PEMBERTON, J., SAHERI, J., DIXON, G. (BPT): Geology of the islands of southeastern Bass Strait (A contribution to the National Geoscience Mapping Accord). Mineral Resources Tasmania, Record 08/703.
 (2) SUTHERLAND, F.L. (DEC): Aquagene volcanism in the Tasmanian Territory, in relation to coastal basins and river systems. Post-Press Doc. Tasmania 14/175789.
 D Additional offshore lines interpreted by D.B. Seymour from airborne magnetic data collected under the Western Tasmanian Regional Minerals Program 2001.

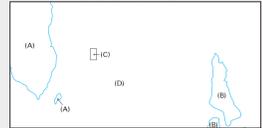
REFERENCE THIS MAP AS:
 HALL, W.D.M.; JENNINGS, D.J.; EVERARD, J.L.; SUTHERLAND, F.L.; SEYMOUR, D.B. 2006. Digital Geological Atlas 1:25000 Series, sheet 3050 Bird. Mineral Resources Tasmania.

Base data from the LIST, Copyright State of Tasmania.
 Map produced by the Data Management Branch of Mineral Resources Tasmania using G.I.S. software.

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

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RESPONSIBILITY DIAGRAM



LOCATION DIAGRAM

