

BIRD WEST

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 fuchytic breccias and hyaloclastite, with subordinate olivine basalt lava and pillow lava (Tbcm).
		Angular unconformity.
EARLY-MEO. PROTZOIC	Rhyolite and/or basaltic andesite complexes	Erhu Thinly interbedded, massive, green and grey laminated quartz-rich siltstone and white, cream, grey and brown, commonly cross-bedded and ripple-marked, fine- to medium-grained quartzite (Erhu typically vertical beds up to 5m thick in some sections); bed and pillow structure, grading, and rip-up clasts present (Upper Pellic: sequence of Hunter Island, eastern Woodward peninsula and Hobart Islets) (Erhu).
		Erq Pale weathering, variably silicified quartzarenite, 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 expressed by bed to bed reversals of cross-lamination polarity in some sections (Erq).
		Erpl Dark grey to black, laminated siltstone-claystone with some thin (cm) graded beds, and some beds up to 10cm thick of fine-grained ripple-laminated quartz sandstone (Lower Pellic: sequence of Rabbie Island, Walker Island, Big Sandy Pelral Islet and Hunter Island) (Erpl).
		Intrusive rocks
PALAEOZOIC	DEVONIAN	Dgafsp Medium-grained, bioclastic, porphyritic biotite-muscovite granite (S-type), containing tabular potash feldspar phenocrysts, locally aligned to define a crude phenocryst foliation (Dgafsp).

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 sinistral vergence; dextral vergence.
Trend and plunge of hinge-line of minor fold, unspecified relative age, antiform, synform.
Trend of horizontal hinge-line of minor fold, unspecified relative age, synform.

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 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 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, (not last only).

C Geology sourced from:
(1) EVERARD, J.L., CALVER, C.R., PEMBERTON, J., SAHERI, J., DIXON, G. 1997. Geology of the islands of southeastern Bass Strait (A. contribution to the National Geoscience Mapping Accord). Mineral Resources Tasmania, Report 1997/03.
(2) SUTHERLAND, F.L. 1993. Aquagene volcanism in the Tasmanian Territory: a relation to coastal basins and river systems. *Proc. Proc. Roy. Soc. Tasmania* 114: 175-189.

D Additional offshore lineaments 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 GIS software.

A0060 - AMG Zone 55. Contour Interval: 20 metres.

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RESPONSIBILITY DIAGRAM



LOCATION DIAGRAM



ADJOINING SHEETS
1:25000 maps available
BIRD WEST
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