

| QUATERNARY | |
|-------------------|--|
| HOLOCENE | |
| Qhb | Modern beach sand (Qhb). |
| Qhd | Modern dune sand (Qhd). |
| Qhbc | Cobble beach derived from Tertiary basalt (Qhbc). |
| Qhis | Paralic clay, silt, sand and minor gravel deposits of modern salt marsh and associated tidal flats (Qhis). |
| Qhr | Raised beach deposits (Qhr). |
| Qhw | Sand of stabilised longitudinal beach ridges (Qhw). |
| Qhab | Marsh and swamp deposits (Qhab). |
| Qpsa | Older stabilised aeolian sand of predominantly coastal plain (Qpsa). |
| EROSIONAL SURFACE | |
| PLEISTOCENE | |
| Tbv | Basalt and related volcaniclastic rocks (Tb). Outcrop of flow-tuff breccia indicated (Tbcm). |
| Tbrp | Massive basalt lava (Tbv). Locality of analysed sample with nepheline hawthite composition indicated (Tbrh). |
| Tbrp | Pillow lava with minor hyaloclastite breccia (Tbrp). Localities of analysed samples with hawthite composition indicated (Tbrh). |
| Tbv | Bedded vitric tuff; may show cross-bedding, graded bedding, or soft-sediment deformation (Tbv). |
| 7 MESOPROTEROZOIC | |
| Prq | Pale weathering, variably silicified quartzarenite, well bedded and commonly with cross-lamination of trough and planar-bedded 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). |
| Prpt | 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 Pelitic sequence of Robbins Island, Walker Island, Big Sandy Point Islet and Hunter Island). (Prpt). |

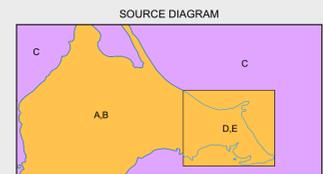
| INTRUSIVE ROCKS | |
|-----------------|---|
| Tbv | Massive basalt lava (Tbv). Locality of analysed sample with nepheline hawthite composition indicated (Tbrh). |
| Tbrp | Pillow lava with minor hyaloclastite breccia (Tbrp). Localities of analysed samples with hawthite composition indicated (Tbrh). |

| CONTACTS | |
|---------------|---|
| — | Geological contact. |
| - - - - - | Geological contact - inferred from magnetic data. |
| - · - · - · - | Transitional geological contact. |
| --- | Limit of detailed mapping. |

| FAULTS | |
|-----------|---|
| --- | Fault. |
| - - - - - | Fault - concealed. |
| · · · · · | Fault - concealed, inferred from magnetic data. |

| LINEARS | |
|-----------|--|
| · · · · · | Subsurface geological boundary projected to surface. |
| - - - - - | Trend of older stabilised Holocene beach ridge. |
| --- | 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.
- Field station for adjacent readings on the map.
- Notable small outcrop with rock unit indicated.



- 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. Honrs, Ph.D. 2006 from the following sources (see source diagram):

- New 1:25 000 scale mapping 1997-2001 by W.D.M. Hall (Monash University, Melbourne) with modifications and additions from:
- 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 Western Tasmanian Regional Minerals Program airborne magnetic data covering offshore areas.
- SUTHERLAND, F.L. 1980. Aquagene volcanism in the Tasmanian Tertiary in relation to coastal seas and river systems. *Pap. Proc. Roy. Soc. Tasmania* 114: 177-199.
- J.L. Everard pers. comm. Tertiary basalt geochemistry.

REFERENCE THIS MAP AS:
HALL, W.D.M., SUTHERLAND, F.L., EVERARD, J.L. and SEYMOUR, D.B. (compilers) 2006. Digital Geological Atlas 1:25 000 Scale Series. Sheet 3249 Robbins. 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
GDAS - MGA 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 advisers. 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.

