Department of State Growth
MINERAL RESOURCES TASMANIA

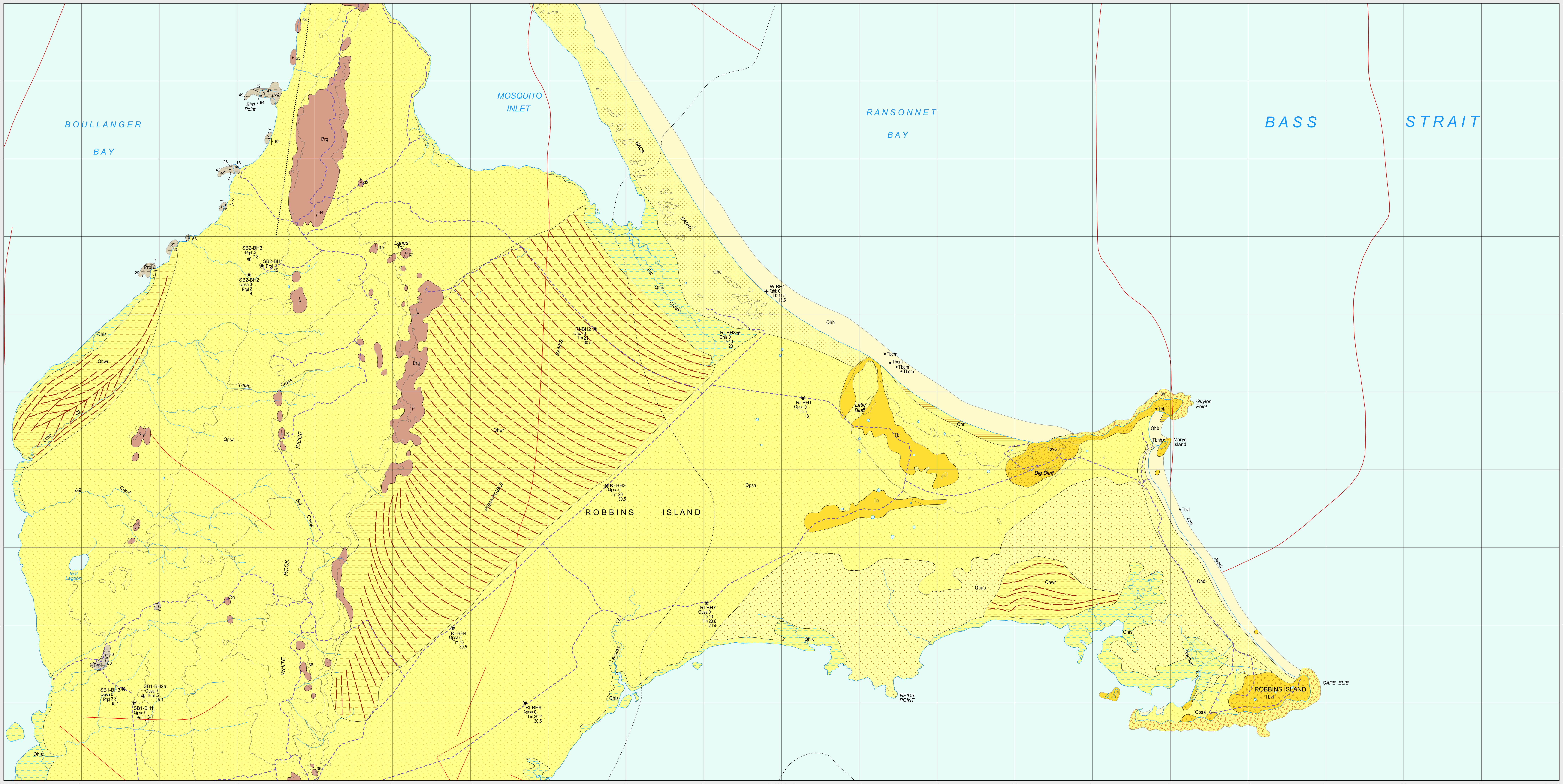
DIGITAL GEOLOGICAL ATLAS 1:25 000 SCALE SERIES
ROBBINS, SHEET 3249

ROBBINS

Scale 1:25 000

0 500 1000 1500 2000 2500m

Tasmanian Government



INTRUSIVE ROCKS

CENOZOIC — PALEOGENE - NEOGENE

Unit	Description
Tbvl	Massive basalt lava (Tbvl). Locality of analysed sample with nepheline hawaiite composition indicated (Tbnh).
Tbvp	Pillow lava with minor hyaloclastite breccia (Tbvp). Localities of analysed samples with hawaiite composition indicated (Tbh).

CENOZOIC — QUATERNARY — HOLOCENE / ? PLEISTOCENE

Unit	Description
Qhb	Modern beach sand (Qhb).
Qhd	Modern dune sand (Qhd).
Qhbcb	Cobble beach derived from Tertiary basalt (Qhbcb).
Qhis	Paralic clay, silt, sand and minor gravel deposits of modern salt marsh and associated tidal flats (Qhis).
Qhr	Raised beach deposits (Qhr).
Qhwr	Sand of stabilised longitudinal beach ridges (Qhwr).
Qhab	Marsh and swamp deposits (Qhab).
Qpsa	Older stabilised aeolian sand of predominantly coastal plain (Qpsa).
	Erosional surface.

CENOZOIC — PALEOGENE - NEOGENE

Unit	Description
Tb	Basalt and related volcaniclastic rocks (Tb). Outcrop of flow-foot breccia indicated (Tbcm).
Tbvl	Massive basalt lava (Tbvl). Locality of analysed sample with nepheline hawaiite composition indicated (Tbnh).
Tbvp	Pillow lava with minor hyaloclastite breccia (Tbvp). Localities of analysed samples with hawaiite composition indicated (Tbh).
Tbvt	Bedded vitric tuff; may show cross-bedding, graded bedding, or soft-sediment deformation (Tbvt).
Tm	Marine limestone in drillhole intersection (of probable early Miocene age) (Tm).
	Angular unconformity.

? MESOPROTEROZOIC — ROCKY CAPE GROUP

Unit	Description
Prq	Pale weathering, variably silicified quartzarenite, well bedded and commonly with cross-lamination of trough and planar-tabular 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 Pelitic' sequence of Robbins Island, Walker Island, Big Sandy Petrel Islet and Hunter Island). (Prpl).

CONTACTS

- Geological contact.
- Geological contact - inferred from magnetic data.
- Transitional geological contact.
- Limit of detailed mapping.

FAULTS

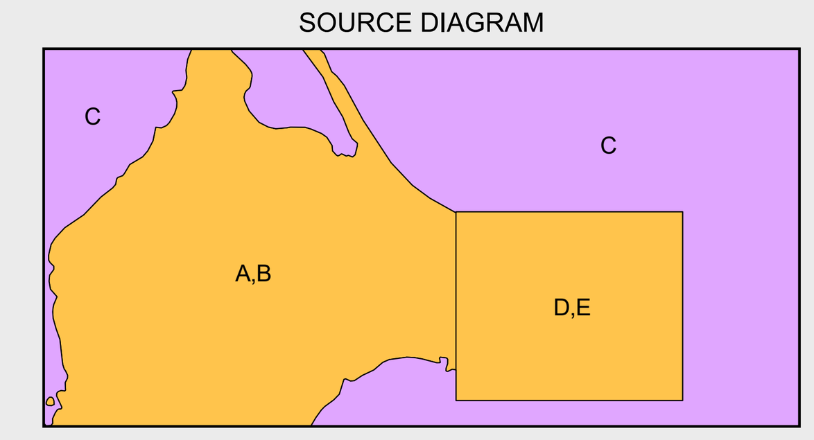
- Fault.
- Fault - concealed.
- Fault - concealed, inferred from magnetic data.

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.
- Borehole location with name, depth of rock unit, and final depth.
- Field station for adjacent readings on the map.
- Notable small outcrop with rock unit indicated.

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

A New 1:25 000 scale mapping 1997-2001 by W.D.M. Hall (Monash University, Melbourne) with modifications and additions from:

B D.B. Seymour, 2001, interpretation of aerial photographs and airborne magnetic radiometric data collected under the Western Tasmanian Regional Minerals Program, 2001.

C D.B. Seymour, 2001, Unpublished interpretation of Western Tasmanian Regional Minerals Program airborne magnetic data covering offshore areas.

D 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.

E J.L. Everard pers. comm. Tertiary basalt geochemistry.

REFERENCE THIS MAP AS:

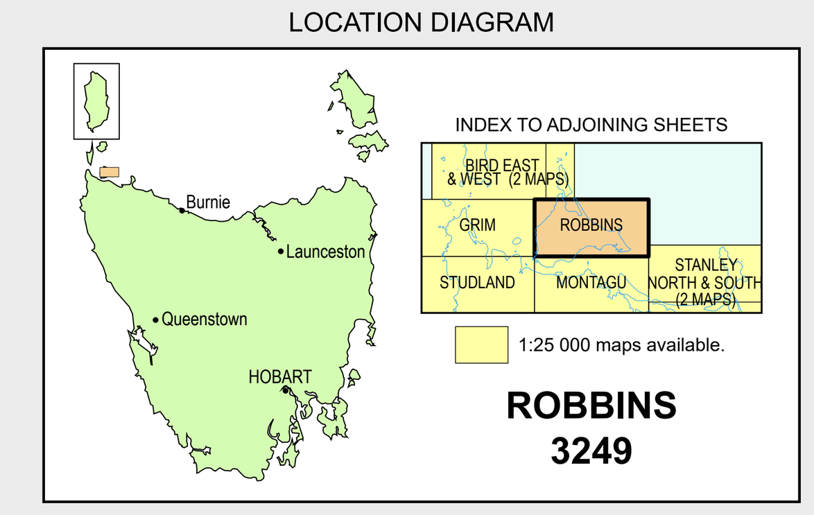
HALL, W.D.M., SUTHERLAND, F.L., EVERARD, J.L. and SEYMOUR, D.B. (compilers) 2006. Digital Geological Atlas 1:25 000 Scale Series. Sheet 3249 Robbins. Mineral Resources Tasmania.

Map produced by Spatial Information Services, Mineral Resources Tasmania.

Website: www.mrt.tas.gov.au

GDA94 - MGA Zone 55. Contour Interval: 20 metres.

LOCATION DIAGRAM



ROBBINS
3249

Map generated: 11-DEC-2025

WARNING: INKS ARE LIGHT SENSITIVE.