Department of Infrastructure Energy and Resources
MINERAL RESOURCES TASMANIA

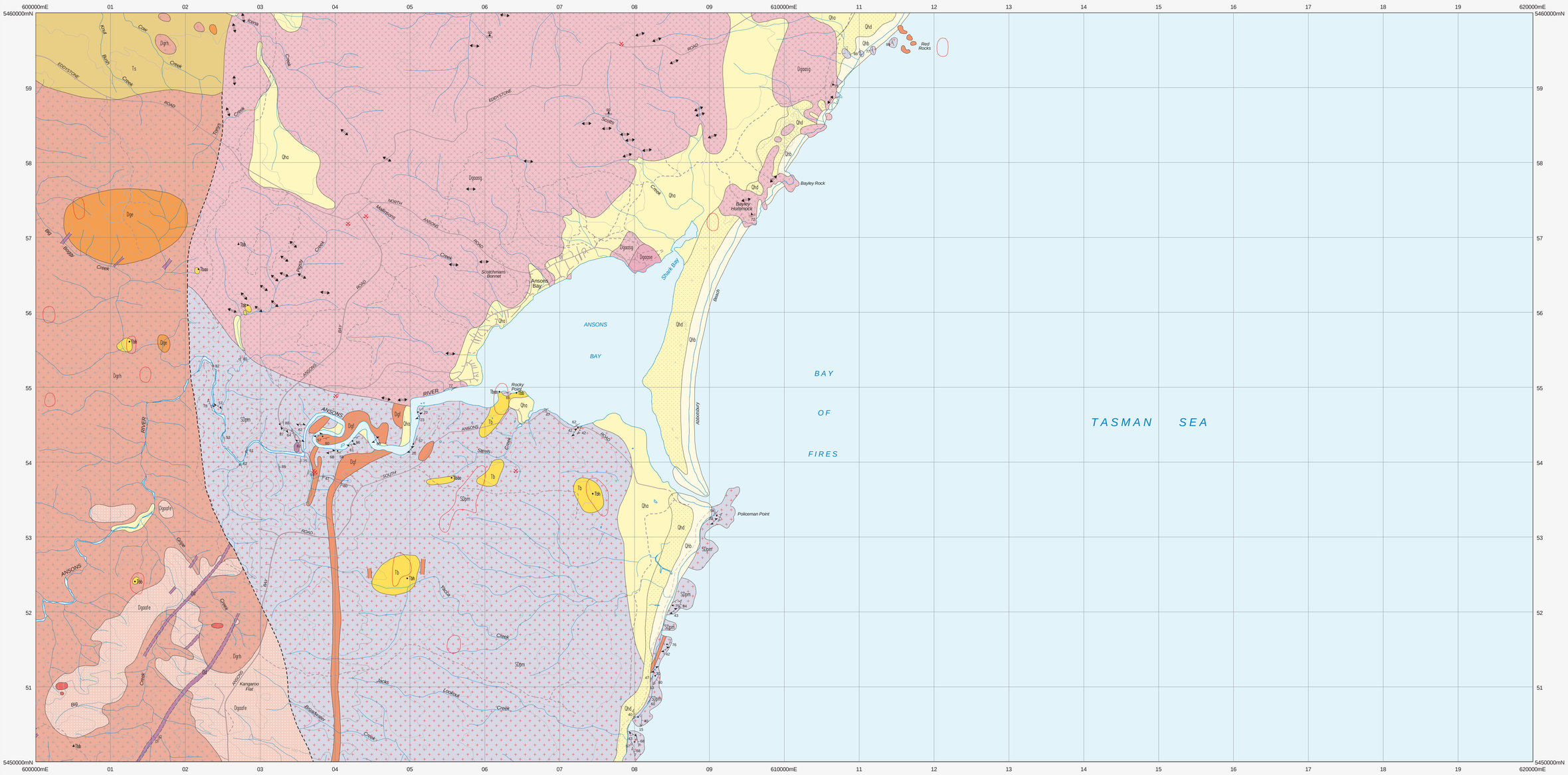
DIGITAL GEOLOGICAL ATLAS 1:25 000 SCALE SERIES
ANSONS BAY, SHEET 6045

ANSONS BAY

Scale: 1:25 000

0 500 1000 1500 2000 2500m

Tasmania
Explore the possibilities



CENOZOIC

QUATERNARY

HOLOCENE

- **Qha** — *Stream alluvium, swamp and marsh deposits (Qha).*
- **Qhb** — *Beach sand (Qhb).*
- **Qhd** — *Dune sand (Qhd).*

PALEOGENE – NEOGENE

- **Ts** — *Sand gravel and clay (Ts).*
- **Tb** — *Basalt (Tb); alkali olivine basalt (Tbao), hawaiite (Tbh), basanite (Tbb) indicated.*

Unconformity

PALEOZOIC

SILURIAN(?) – DEVONIAN

- **SDpm** — *Quartzwacke turbidite, sandstone dominant, contact metamorphosed by granitic intrusion undifferentiated Panama Group (SDpm).* — PANAMA GROUP, LAYNEWOOD SUPERGROUP

CENOZOIC

PALEOGENE – NEOGENE

IGNEOUS ROCKS

- **Tb** — *Basalt (Tb); alkali olivine basalt (Tbao), hawaiite (Tbh), basanite (Tbb) indicated.*

PALEOZOIC

DEVONIAN(?)

- **Dd** — *Dolerite (Dd).*
- **Dgra** — *Altered andesite (Dgra).*

PALEOZOIC

DEVONIAN

MINOR GRANITIC INTRUSIONS

- **Dgf** — *Quartz–feldspar porphyry (Dgf).*
- **Dge** — *Aplitic granite (Dge).*

EDDYSTONE BATHOLITH

- **Dgaasg** — *Coarse– to very coarse–grained, variably porphyritic biotite–minor muscovite–garnet syenogranite/monzogranite (Dgaasg).*
- **Dgaase** — *Coarse–grained equigranular biotite monzogranite (Dgaase), (Dgaasg, Dgaase – Ansons Bay Granite; S–type).*

BLUE TIER BATHOLITH

- **Dgaafe** — *Fine–grained equigranular biotite–muscovite granite (Dgaafe).*

MIDDLE DEVONIAN – LOWER DEVONIAN

- **Dgrh** — *Medium– to coarse–grained biotite–hornblende granodiorite (Dgrh) (Gardens Granodiorite; I–type).*

Geological boundary – position accurate or approximate.
Unconformable boundary – position accurate or approximate.
Intrusive boundary – position accurate or approximate
Fault – inferred.
Lineament visible in airborne magnetic data defining "bullseye" magnetic sources which may be Paleogene – Neogene basalt plugs.
(White line) *Limit of mapping of sub–unit within undifferentiated rock unit.*

Strike and dip of bedding – right way up, overturned.
Strike and dip of bedding – facing unknown.
Strike and dip of cleavage, relative local age S1; vertical.
Strike and dip of cleavage, relative local age S2.
Strike and dip of foliation due to alignment of K–feldspar phenocrysts in granitic rock.
Trend of preferred orientation of K–feldspar phenocrysts in granitic rock.
Trend of preferred orientation of hornblende and/or biotite in granitic rock.
Trend and plunge of minor fold hinge line, unspecified relative age, with dip and dip direction of axial surface.
Location of adjacent structural readings.
Notable small float or lag occurrence, with rock type indicated.
Notable small outcrop with rock unit indicated.
Construction material/industrial mineral/gemstone location –
Data derived from Mineral Resources Tasmania DEPOSITS data base. Data point position has not been verified in every case.

Compiled by M.P. McClenaghan, B.Sc.(Hons), Ph.D., 2005 from the following source (see responsibility diagram):

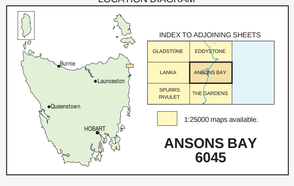
A McCLENAGHAN, M.P. and WILLIAMS P.R. 1983. Geological Atlas 1:50 000 series, sheet 33 (8515N) Blue Tier. Department of Mines, Tasmania

Updated by:

B M. P. McClenaghan 2008–09: Interpretation of airborne magnetic data particulary targeting "bullseye" anomalies considered likely to be Paleogene – Neogene basalt necks together with ground checking and mapping of small areas of basalt in some instances, as part of the TasExplore Project, Mineral Resources Tasmania.

RESPONSIBILITY DIAGRAM

LOCATION DIAGRAM



INDEX TO ADJOINING SHEETS

GLADSTONE	EDDYSTONE	
LANNA	ANSONS BAY	
SPURRS RIVULET	THE GARDENS	

1:25000 maps available.

ANSONS BAY 6045

REFERENCE THIS MAP AS:

McCLENAGHAN, M.P. 2010 (compiler). Digital Geological Atlas 1:25 000 Scale Series, Sheet 6045 Ansons Bay. Mineral Resources Tasmania.

Base data from the LIST, Copyright State of Tasmania.

Map produced by the Geoscience Information Branch of Mineral Resources Tasmania using G.I.S. software.

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

GDA

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