Department of State Growth
MINERAL RESOURCES TASMANIA

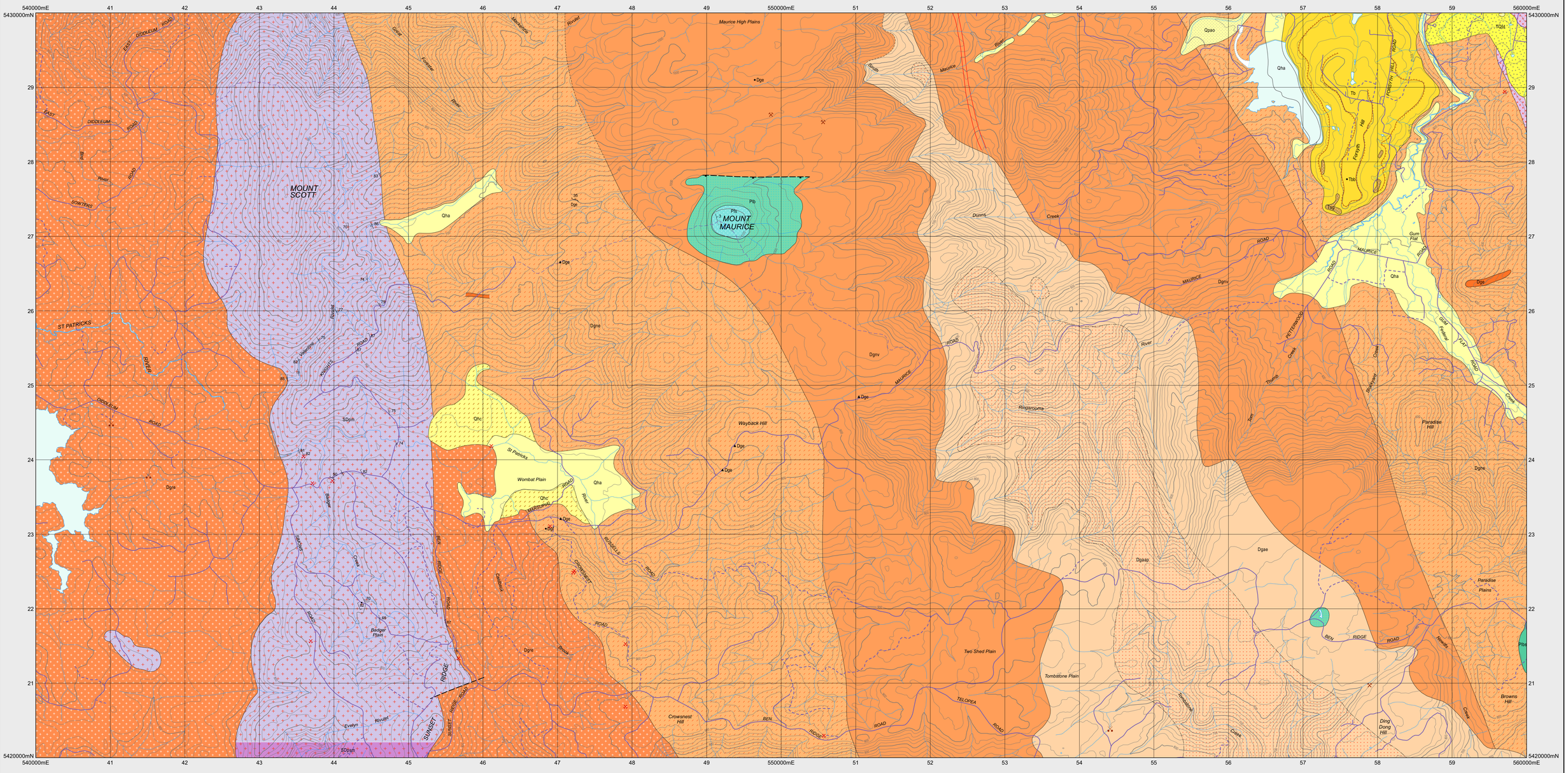
DIGITAL GEOLOGICAL ATLAS 1:25 000 SCALE SERIES
MAURICE, SHEET 5442

MAURICE

Scale 1:25 000

0 500 1000 1500 2000 2500m

Tasmanian Government



CENOZOIC

QUATERNARY

HOLOCENE

- **Qha** — *Stream alluvium, swamp and marsh deposits (Qha).*
- **Qhc** — *Colluvium (Qhc).*

PLEISTOCENE

- **Qptg** — *Talus of dominantly granitic boulders (Qptg).*
- **Qpao** — *Older alluvium of river terraces (Qpao).*

PALEOGENE - NEOGENE ?

- **TQld** — *Probably older boulder deposits consisting dominantly of dolerite (TQld).*
- **Tsg / Tb** — *Quartz granule gravel probably derived from granitic rocks (Tsg). Basalt (Tb).*

~~~~~~~~~~ *Unconformity*

PALEOZOIC

PERMIAN

- **Pfs** — *Dominantly well-sorted quartz sandstone, usually cross-bedded and commonly with interbedded and interlaminated carbonaceous shale, lesser conglomerate and rare coal (correlate of Aberfoyle Formation) (Pfs).*
- **Plb** — *Poorly sorted pebbly mudstone, sandstone and minor conglomerate, marine fossils present in places (Plb).*
- **Plbs** — *Dominantly thick-bedded to massive, medium- to coarse-grained quartz sandstone and minor conglomerate (Plbs)*
  (Plb, Plbs - correlate of Strickland Gorge Formation).

LOWER PARMEENER SUPERGROUP

~~~~~~~~~~ *Unconformity*

SILURIAN(?) - DEVONIAN

LUDLOW(?) - LOWER DEVONIAN

- **SDpm / SDpsm / SDplapm** — *Undifferentiated Panama Group rocks contact metamorphosed by granitic intrusion (SDpm).*
  Dominantly fine-grained turbiditic quartz-rich sandstone, with some interbedded siltstone. Contains vascular plant fossil fragments, contact metamorphosed by granitic intrusion (SDpsm).
  Contact metamorphosed thin-bedded siltstone and minor quartz-rich sandstone (SDplapm) (possible correlate of Lone Star Siltstone).

PANAMA GROUP — MATHINNA SUPERGROUP

IGNEOUS ROCKS

CENOZOIC — PALEOGENE - NEOGENE

- **Tb** — *Basalt (Tb), basanite (Tbb).*

MINOR GRANITIC INTRUSIONS

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

SCOTTSDALE BATHOLITH

PALEOZOIC — DEVONIAN — MIDDLE DEVONIAN

- **Dgae** — *Medium- to coarse-grained, dominantly equigranular syenogranite/monzogranite with pale pink feldspar (Dgae) (marginal phase of Tombstone Creek Granite; I-type).*
- **Dgaap** — *Fine- to coarse-grained, sparsely to moderately porphyritic (quartz and k-feldspar) biotite alkali feldspar granite/syenogranite (Dgaap) (central phase of Tombstone Creek Granite; I-type).*
- **Dgnv** — *Medium- to coarse-grained variably equigranular, seriate or sparsely porphyritic (k-feldspar phenocrysts up to 30mm) biotite-hornblende monzogranite (Dgnv) (Hogarth Road Granite; I-type).*
- **Dgne** — *Coarse- to very coarse-grained equigranular, biotite ± hornblende monzogranite/granodiorite with pink to white feldspars (Dgne) (Russells Road Granite; I-type).*
- **Dgre** — *Medium- to coarse-grained, equigranular biotite-hornblende granodiorite (Dgre). (includes Diddleum Granodiorite in west and Porcupine Creek Granodiorite in east; I-type).*

CONTACTS

- *Geological contact.*
- *Geological contact - inferred.*
- *Transitional geological contact.*
- *Limit of mapping of sub-unit within undifferentiated rock unit.*

FAULTS

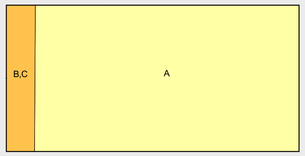
- *Fault.*
- *Normal fault (downthrown side indicated).*

LINEARS

- *Scarp.*
- *Lineament - visible in magnetic data.*

- *Strike and dip of bedding: facing known; overturned; facing unknown.*
- *Strike of vertical bedding: facing unknown; facing indicated by single tic.*
- *Strike and dip of cleavage of unspecified type and relative age.*
- *Strike and dip of dyke or vein, rock type or mineral specified.*
- *Field station for adjacent readings on the map.*
- *Notable small outcrop with rock unit indicated.*
- *Notable small float or lag occurrence with rock unit indicated.*
- *Mineral deposit location - hardrock.*
- *Mineral deposit location - alluvial/tailings.*
- *Construction material/industrial mineral/gemstone location.*

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

A McCLENAGHAN M.P., EVERARD J.L., GOSCOMBE B.D., FINDLAY R.H. and CALVER C.R. 1993. Geological Atlas 1:50 000 Series. Sheet 40 (8415S), Alberton. Department of Mines, Tasmania.

B LONGMAN M.J., MATTHEWS W.L. and ROWE S.M. 1964. Geological Atlas 1:63 360 Series. Sheet 39 (8315S), Launceston. Department of Mines, Tasmania.

C Additional mapping by M.P.McClenaghan 2005.

REFERENCE THIS MAP AS:

McClenaghan, M.P. (compiler) 2006. Digital Geological Atlas 1:25 000 Series. Sheet 5442 Maurice. 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

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

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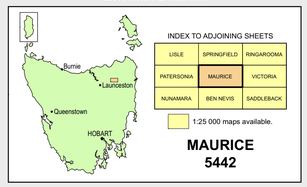
LOCATION DIAGRAM



Map generated: 28-NOV-2023

WARNING: INKS ARE LIGHT SENSITIVE.