**Department of State Growth**
MINERAL RESOURCES TASMANIA

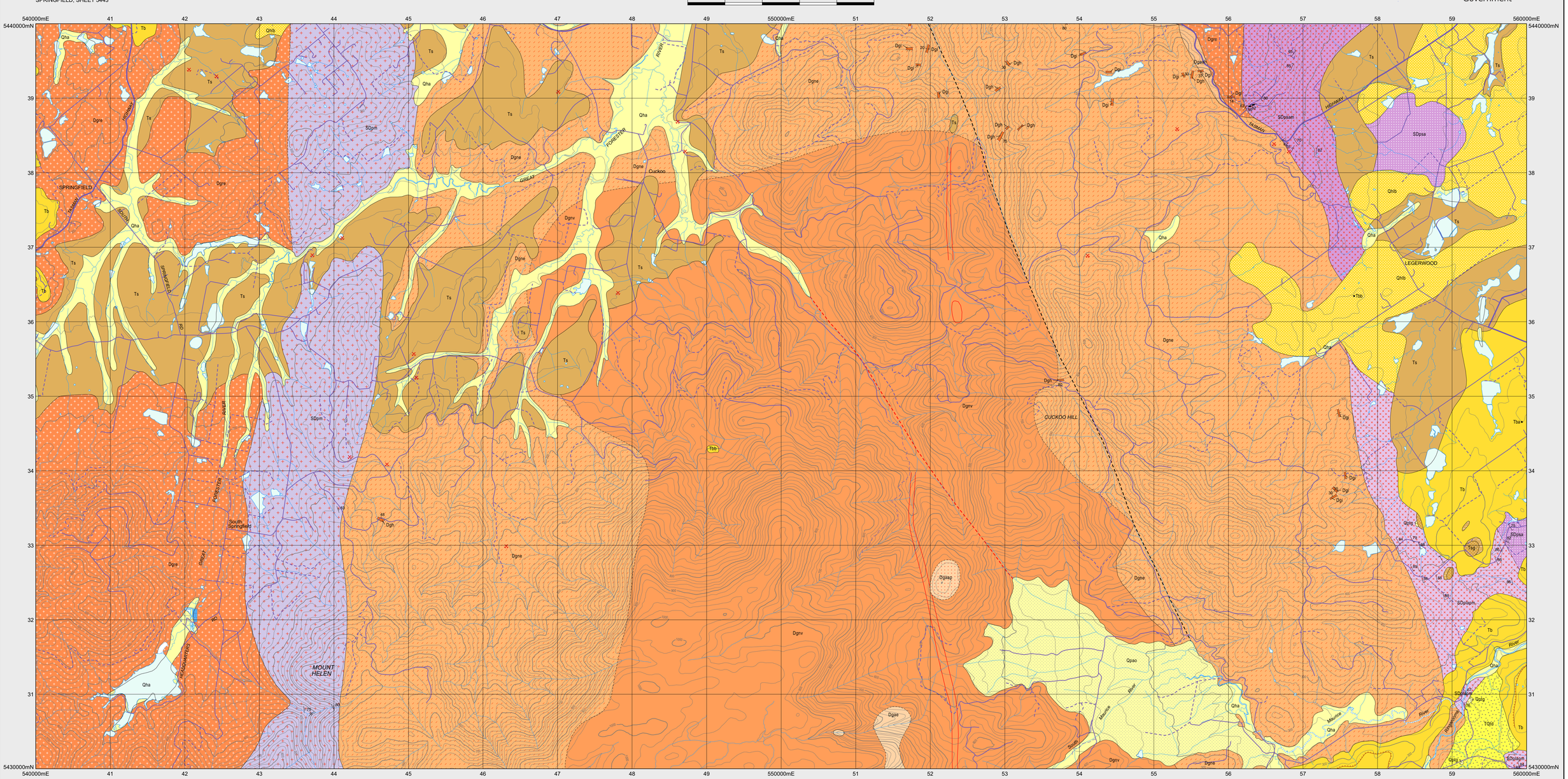
DIGITAL GEOLOGICAL ATLAS 1:25 000 SCALE SERIES
SPRINGFIELD, SHEET 5443

# SPRINGFIELD

Scale 1:25 000

0 500 1000 1500 2000 2500m

Tasmanian Government




## CENOZOIC

### QUATERNARY

**HOLOCENE**

- Qha — *Stream alluvium, swamp and marsh deposits (Qha).*
- Qhlb — *Basalt derived lag deposit (Qhlb).*
- Qpao — *Older alluvium or river terraces (Qpao).*

**PLEISTOCENE**

- Qplg — *Talus, dominantly granitic rocks (Qplg).*
- TQtd — *Probably older boulder deposits consisting dominantly of dolerite (TQtd).*

### PALEOGENE - NEOGENE

- Tb — *Basalt (Tb), including local occurances of: alkali basalt (Tba), basanite (Tbb).*
- Ts — *Conglomerate, gravel, sand, silt, mud and clay (Ts).*
- Tsf — *Sands and gravels cemented by iron oxide (Tsf).*
- Tsg — *Quartz granule gravels probably derived from granitic rocks (Tsg).*

*Unconformity.*

## PALEOZOIC

### SILURIAN(?) - DEVONIAN

**LOWER DEVONIAN**

- SDpsa / SDpsam / SDpslam / SDpm — *Dominantly medium- to fine-grained turbiditic quartz-rich sandstone, with interbedded siltstone. Rare vascular plant fossils (SDpsa). Contact metamorphosed by granitic intrusion (SDpsam). (SDpsa, SDpsam: possible correlates of Sideling Sandstone).*

*Contact metamorphosed thin-bedded siltstone and minor quartz-sandstone (SDplapm) (possible correlate of Lone Star Siltstone).*

*Undifferentiated Panama Group rocks contact metamorphosed by granitic intrusion (SDpm).*

PANAMA GROUP — MATHINNA SUPERGROUP

## IGNEOUS ROCKS

### CENOZOIC

**PALEOGENE - NEOGENE**

- Tb — *Basalt (Tb), including local occurences of: alkali basalt (Tba), basanite (Tbb).*

### MINOR GRANITIC INTRUSIONS

- Dgh — *Aplite (Dgh).*
- Dgi — *Fine-grained equigranular granite (Dgi).*

### SCOTTSDALE BATHOLITH

### PALEOZOIC

**DEVONIAN**

**MIDDLE DEVONIAN**

- Dgafm — *Medium-grained pink biotite alkali-feldspar granite (Dgafm) (Mt Stronach Granite; I-type).*
- 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/granodiorite (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).*
- Dgaah — *Coarse-grained, pink hornblende-biotite granodiorite (Dgaah) (part of Tulendeena Granodiorite; I-type).*
- Dgre — *Medium- to coarse-grained, equigranular biotite-hornblende granodiorite (Dgre) (includes Diddleum Granodiorite in west and Tulendeena Granodiorite in east; I-type).*

## CONTACTS

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

## FAULTS

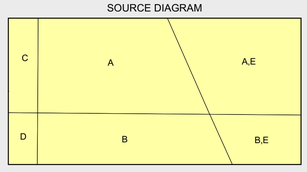
- *Fault - inferred.*
- *Fault - inferred from magnetic data.*

## LINEARS

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

- *Dip of geological contact of unspecified type.*
- *Strike and dip of bedding - right way up; facing unknown.*
- *Strike of vertical bedding, facing unknown.*
- *Strike and dip of cleavage of unspecified type and relative age; vertical.*
- *Strike and dip of dominant joint set.*
- *Notable small outcrop with rock unit indicated.*
- *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., 1994 from the following sources (see source diagram):

A MATTHEWS, W.L.; COX, S.F.; McCLENAGHAN, M.P.; BROWN, A.V.; MOORE, W.R.; TURNER, N.J.; McCLENAGHAN, J.; WILLIAMS, P.R.; BAILLIE, P.W.; CORBETT, K.D.; CORBETT, E.B., 1977. Geological Atlas 1:50 000 series, sheet 32 (8415N), Ringarooma. Department of Mines, Tasmania.

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

C MARSHALL, B.; BARTON, C.M.; JENNINGS, D.J.; NAQVI, I.H. 1965. Geological Atlas 1:63 360 series, sheet 31 (8315N), Pipers River. Department of Mines, Tasmania.

D LONGMAN, M.J.; MATTHEWS, W.L.; ROWE, S.M. 1964. Geological Atlas 1:63 360 series, sheet 39 (8315S), Launceston. Department of Mines, Tasmania.

Updated by:

E M.J. Vicary, 2008-2010. Limited geological traverses and interpretation of airborne geophysical data as part of the TasExplore Project.

**REFERENCE THIS MAP AS:**

McCLENAGHAN, M.P. and VICARY, M.J. 2010. Digital Geological Atlas 1:25 000 Scale Series. Sheet 5443 Springfield. 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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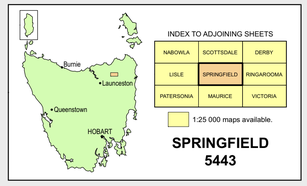
## LOCATION DIAGRAM

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| PATERSONIA | MAURICE | VICTORIA |

1:25 000 maps available.

**SPRINGFIELD 5443**

Map generated: 15-NOV-2023

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