Department of Infrastructure Energy and Resources
MINERAL RESOURCES TASMANIA

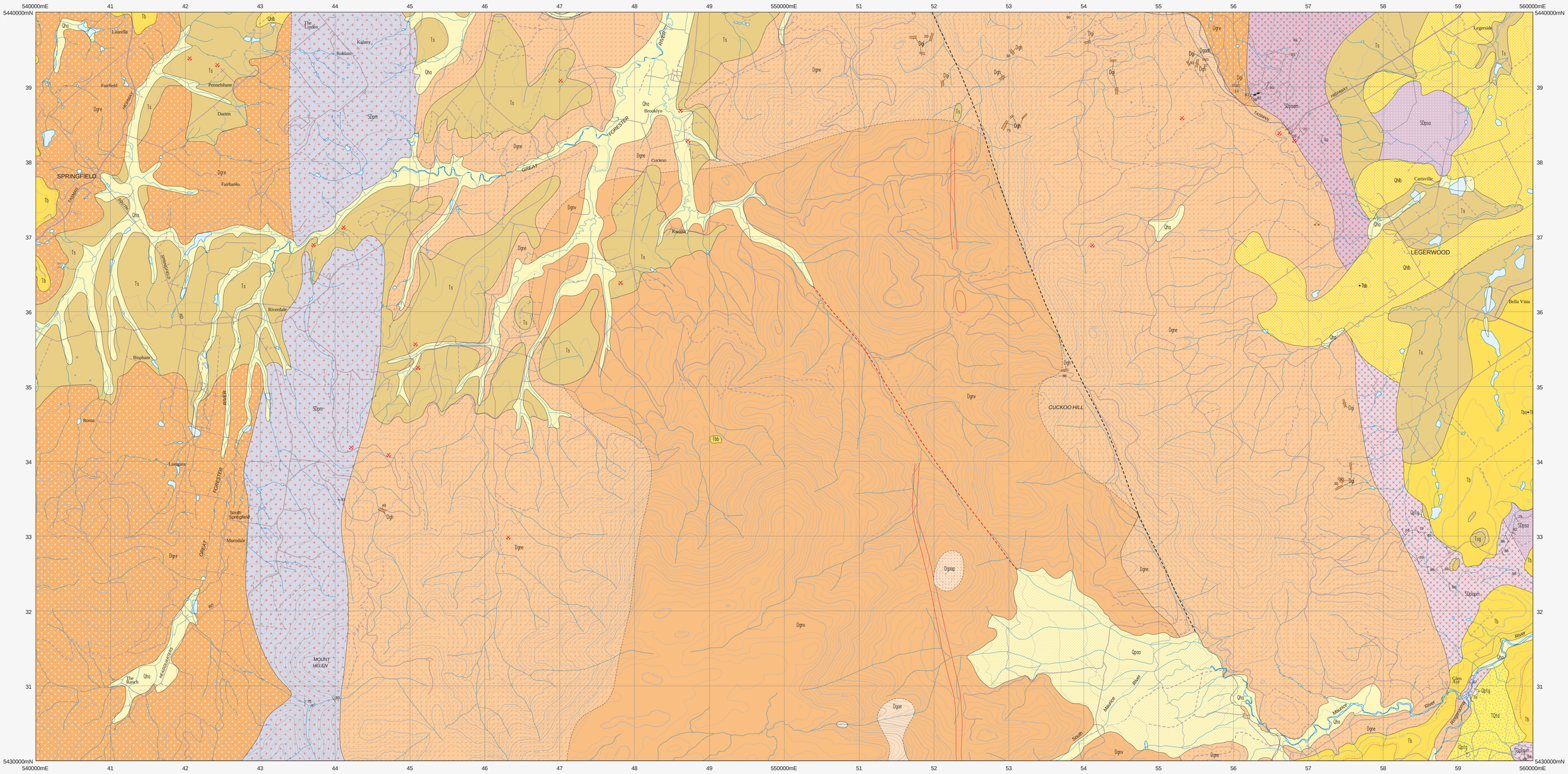
DIGITAL GEOLOGICAL ATLAS 1:25 000 SCALE SERIES
SPRINGFIELD, SHEET 5443

SPRINGFIELD

Scale: 1:25 000

0 500 1000 1500 2000 2500m

Tasmania
Explore the possibilities



CENOZOIC

QUATERNARY

HOLOCENE

- **Qha** — *Stream alluvium, swamp and marsh deposits (Qha).*
- **Qhlb** — *Basalt derived lag deposit (Qhlb).*

PLEISTOCENE

- **Qpao** — *Older alluvium or river terraces (Qpao).*
- **Qptg** — *Talus, dominantly granitic rocks (Qptg).*

PALEOGENE – NEOGENE

- **TQtd** — *Probably older boulder deposits consisting dominantly of dolerite (TQtd).*
- **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

LUDLOW(?) – LOCHKOVIAN

- **SDpsa** — *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).*
- **SDpen** — *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 — MATTINNA SUPERGROUP

IGNEOUS ROCKS

CENOZOIC

PALEOGENE – NEOGENE

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

MINOR GRANITIC INTRUSIONS

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

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).*
- **Dgoah** — *Coarse–grained, pink hornblende–biotite granodiorite (Dgoah) (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).*

Geological boundary – position accurate or approximate.
Geological boundary – inferred.
Geological boundary – transitional.
Fault – position accurate or approximate.
Fault – inferred from airborne magnetic data.
Scarp.
Lineament visible in airborne magnetic data.
(white line) Limit of mapping of sub–unit within undifferentiated rock unit.

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
Field station for adjacent readings on the map.
Mineral deposit location – hardrock
Mineral deposit location – alluvial/tailings
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., 1994 from the following sources (see responsibility 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.

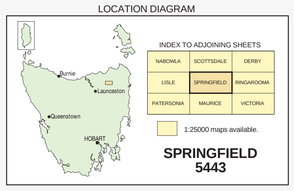
Updated by:

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

RESPONSIBILITY DIAGRAM

C	A	A,E
D	B	B,E

LOCATION DIAGRAM



INDEX TO ADJOINING SHEETS

NABOWLA	SCOTTSDALE	DERBY
LISLE	SPRINGFIELD	RINGAROOMA
PATERSONIA	MAURICE	VICTORIA

1:25000 maps available.

SPRINGFIELD 5443

REFERENCE THIS MAP AS:

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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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