Department of Infrastructure Energy and Resources
MINERAL RESOURCES TASMANIA

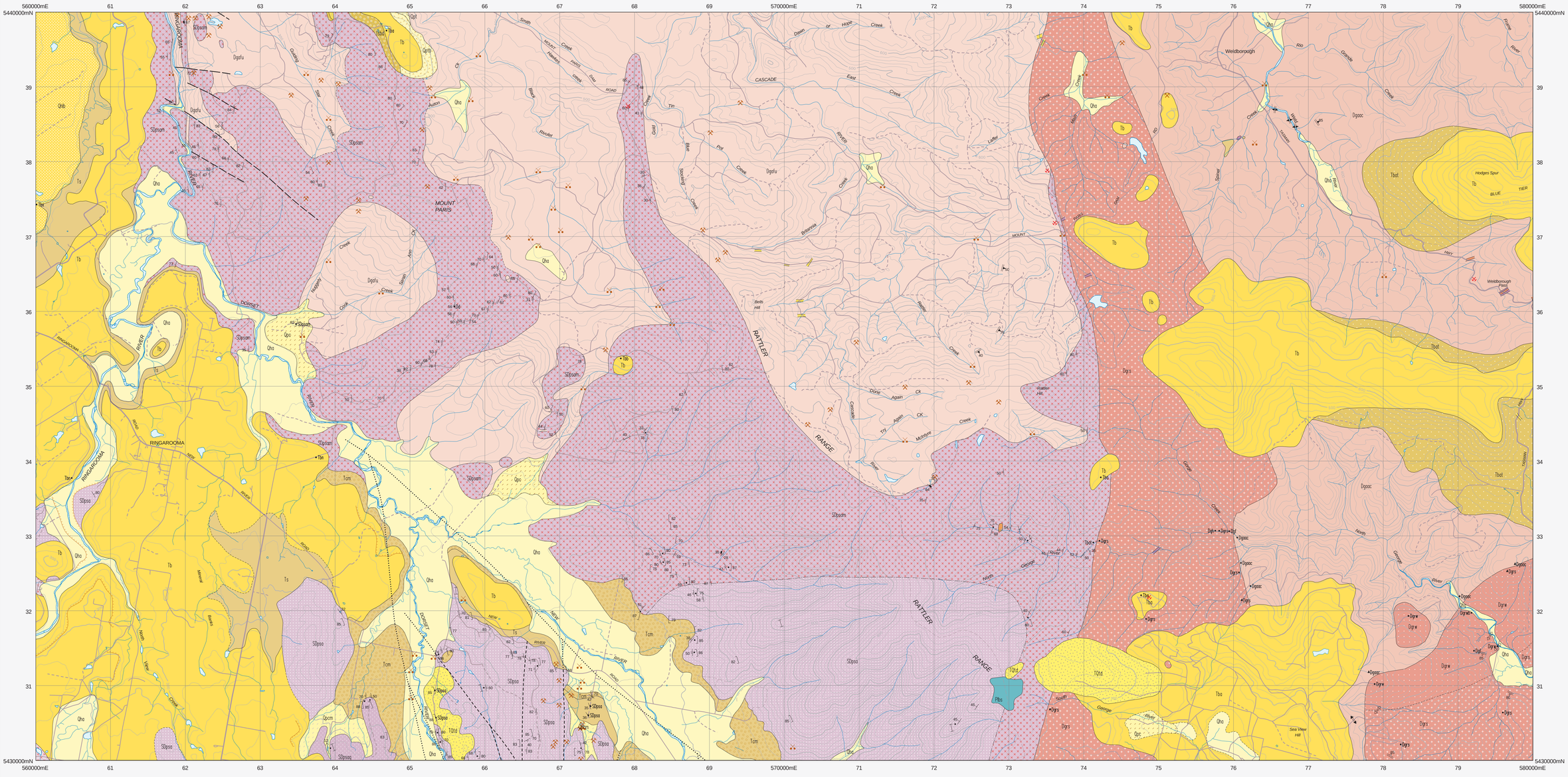
DIGITAL GEOLOGICAL ATLAS 1:25 000 SCALE SERIES
RINGAROOMA, SHEET 5643

RINGAROOMA

Scale: 1:25 000

0 500 1000 1500 2000 2500m

Tasmania
Explore the possibilities



CENOZOIC

QUATERNARY

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

Qhb — *Basalt derived log deposit (Qhb).*

Qpt, Qptb — *Undifferentiated talus (Qpt); basalt derived talus (Qptd).*

Qpc, Qpcm — *Colluvium (Qpc).*
Colluvium derived from Mathinna Supergroup (Qpcm).

PALEOGENE – NEOGENE

TQtd — *Older boulder deposits consisting of dominantly dolerite. Stratigraphic age uncertain but possibly equivalent to Tsbd (TQtd).*

Tb — *Basalt (Tb); with local occurances of: alkali basalt (Tba), basanite (Tbb); olivine nephelinite (Tbn), nodular basalt (Tbx).*

Tbot — *Agglomerate and tuff (Tbot).*

Ts, Tsbd, Tcm — *Conglomerate, gravel, sand, silt, mud and clay (Ts).*
Sub-basaltic boulder deposit with abundant dolerite clasts (Tsbd).
Conglomerate with rounded clasts of Mathinna Supergroup and very rare weathered dolerite, often partly cemented by iron oxides (Tcm).

Unconformity.

PALEOZOIC

PERMIAN

Plbs — *Poorly sorted pebbly mudstone, sandstone and minor conglomerate, marine fossils present in places (Plbs). (Correlate of Strickland Gorge Formation).*

Unconformity.

SILURIAN(?) – DEVONIAN — LUDLOW(?) – LOWER DEVONIAN

PANAMA GROUP — MATHINNA SUPERGROUP — LOWER PARMENER SUPERGROUP

SDpsa, SDpsam, SDpsaq — *Dominantly medium- to fine-grained turbiditic quartz-rich sandstone, with interbedded siltstone. Rare vascular plant fossils (SDpsa). Contact metamorphosed by granitic intrusion (SDpsam).*
Lower sequence of interbedded medium- to fine-grained turbidic quartz-rich sandstone and siltstone (SDpsaq).
(SDpsa, SDpsam, SDpsaq – possible correlates of Sideling Sandstone).

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

IGNEOUS ROCKS

CENOZOIC — PALEOGENE – NEOGENE

Tb — *Basalt (Tb); with local occurances of: alkali basalt (Tba), basanite (Tbb); olivine nephelinite (Tbn), nodular basalt (Tbx).*

PALEOZOIC — DEVONIAN(?)

Dd — *Dolerite dyke (Dd).*

MINOR GRANITIC INTRUSIONS

Dgh — *Aplite (Dgh).*

Dge — *Aplitic granite (Dge).*

Dgf — *Quartz-feldspar porphyry (Dgf).*

BLUE TIER BATHOLITH

DEVONIAN — MIDDLE – UPPER DEVONIAN

Dgdfu — *Dominantly fine- to medium-grained, equigranular to porphyritic (feldspar +/- quartz) biotite-muscovite alkali feldspar granite (Dgdfu) (Mt Paris Granite; S-type).*

Dgaac — *Coarse-grained porphyritic (K-feldspar) to equigranular biotite-minor muscovite monzogranite (Dgaac) (Poimena Granite; I-type).*

DEVONIAN — LOWER DEVONIAN

Dgrs — *Medium-grained, equigranular to rarely porphyritic (K-feldspar), hornblende-biotite granodiorite and subordinate biotite granodiorite. Locally with a strong grain foliation. Variably but usually strongly magnetic (susceptibility typically .002 to .008 SI) (Dgrs).*

Dgrw — *Medium-grained, equigranular to rarely porphyritic (K-feldspar), hornblende-biotite granodiorite and subordinate biotite grandiorite. Locally with a strong grain foliation. Weakly magnetic (susceptibility < .0005 SI) (Dgrw).*

Dgrwb — *Medium-grained, equigranular to rarely porphyritic (K- feldspar) biotite granodiorite. Weakly magnetic (susceptibility < .0005 SI) (Dgrwb).*
(Dgrs, Dgrw, Dgrwb – Pyengana Granodiorite; I-type).

Geological boundary – position accurate or approximate.
Geological boundary – inferred.
Geological boundary – transitional.
Fault – position accurate or approximate.
Fault – inferred.
Fault – concealed.
Scarp.
(white line) Limit of mapping of sub-unit within undifferentiated rock unit.

Strike and dip of bedding – right way up; facing unknown.
Strike and dip of cleavage of unspecified type and relative age; vertical.
Strike of vertical kink band: sinistral.
Trend and plunge of minor fold hinge line, unspecified relative age.
Strike and dip of foliation due to alignment of K-feldspar phenocrysts in granitic rock; vertical.
Trend of preferred orientation of K-feldspar phenocrysts in granitic rock.
Strike and dip of foliation due to alignment of hornblende and/or biotite in granitic rock.
Trend of preferred orientation of hornblende and/or biotite in granitic rock.
Strike and dip of dominant jopint set.
Strike and dip of dyke or vein with rock or mineral type indicated; vertical.
Notable small outcrop with rock unit indicated
Notable small float or log occurrence, with rock type 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):

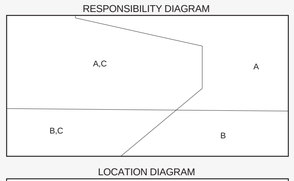
A BROWN, A.V.; McCLENAGHAN, M.P.; MOORE, W.R.; TURNER, N.J.; McCLENAGHAN, J.; WILLIAMS, P.R.; BAILLIE, P.W.; CORBETT, K.D.; CORBETT, E.B.; COX, S.F.; GROVES, D.I.; PIKE, G.P. 1977. Geological Atlas 1:50 000 series, sheet 32 (8415N). Ringarooma. Department of Mines, Tasmania.

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.

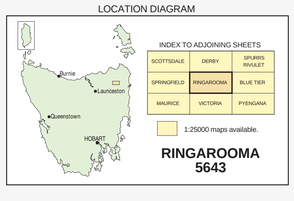
Updated by:

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

RESPONSIBILITY DIAGRAM



LOCATION DIAGRAM



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.

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