Department of Infrastructure Energy and Resources
MINERAL RESOURCES TASMANIA

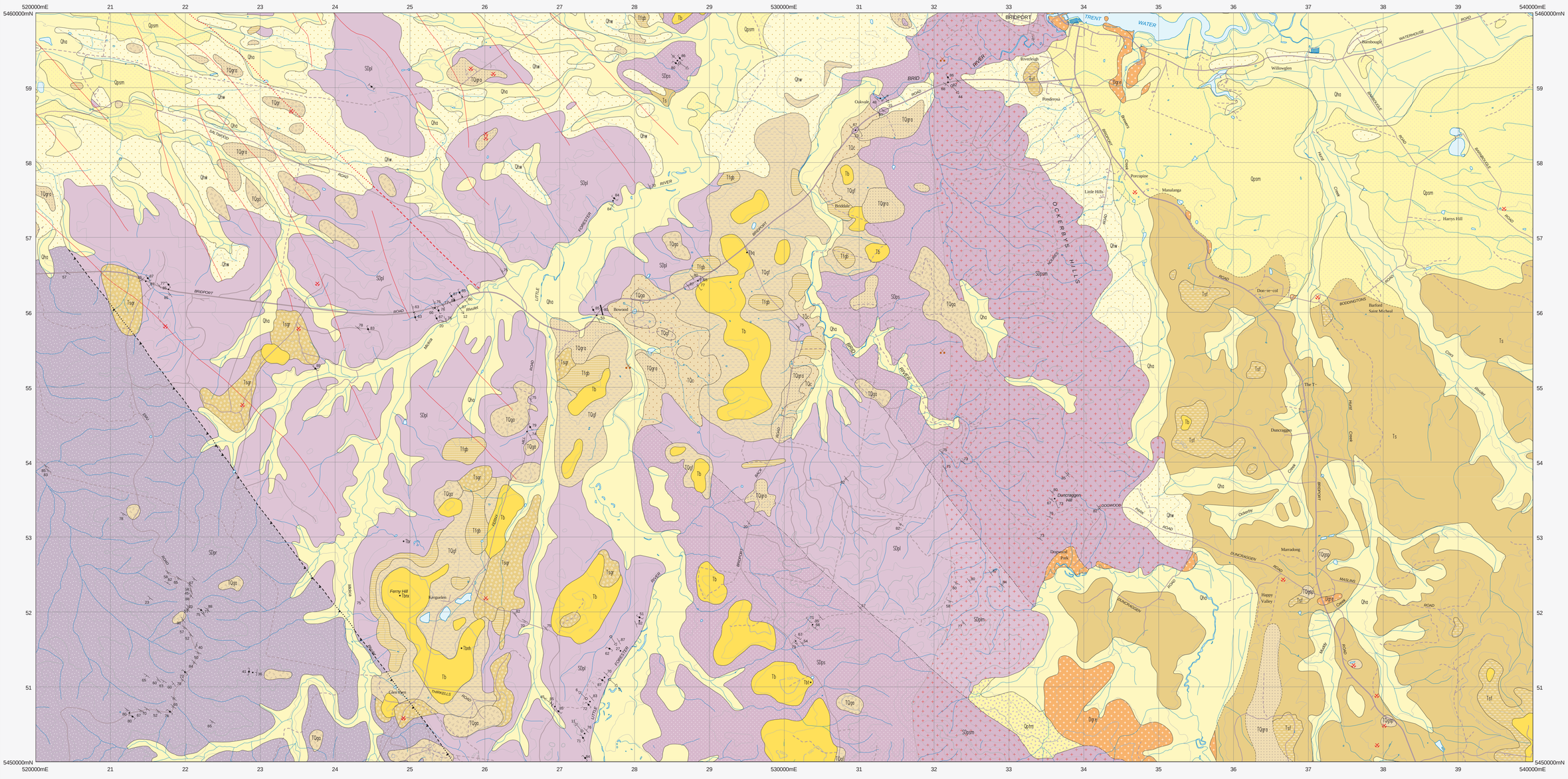
DIGITAL GEOLOGICAL ATLAS 1:25 000 SCALE SERIES
BOWOOD, SHEET 5245

BOWOOD

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).*
- **Qhd** — *Dune sand (Qhd).*
- **Qhw** — *Windblown sand (Qhw).*

PLEISTOCENE?

- **Qptm** — *Mathinna Group talus (Qptm).*
- **Qpsm** — *Marine terrace deposits of gravel, sand, clay, shells and organic material (Qpsm).*

?

- **TQc** — *Silt and clay with occasional pebbles (TQc).*
- **TQga** — *Angular gravel mainly vein quartz (TQga).*
- **TQgr** — *Rounded gravel, mainly vein quartz (TQgr).*
- **TQgra** — *Rounded and angular gravel, mainly vein quartz (TQgra).*
- **TQgf** — *Ferruginous, pisolitic gravel with ironstone blocks (TQgf).*
- **TQgsp** — *Quartz granule sand with pebbles (TQgsp).*

PALEOGENE – NEOGENE

- **Ts** — *Conglomerate, gravel, sand, silt, mud and clay (Ts).*
  - **Tb** — *Basalt (Tb).*
- **Tsf** — *Sands and gravels cemented by iron oxides (Tsf).*
- **Tsgr** — *Rounded gravel, mainly vein quartz (Tsgr).*
- **Tfgb** — *Grey-billy and silcrete (Tfgb).*

Unconformity

PALEOZOIC

SILURIAN – DEVONIAN

LUDLOW – LOWER DEVONIAN

- **SDps** — *Dominantly fine-grained turbiditic quartz-rich sandstone, with some interbedded siltstone; contains vascular plant fossil fragments (SDps). Metamorphosed by granitic intrusion (SDps). (SDps, SDpsm: Sideling Sandstone).*
  - **SDpsm**
- **SDpl** — *Dominantly thin-bedded siltstone, with interbedded fine-grained quartz-rich sandstone increasing towards top; contains Silurian (Ludlow) graptolites (SDpl). Metamorphosed by granitic intrusion (SDplm). (SDpl, SDplm: Lone Star Siltstone).*
  - **SDplm**
- **SDpr** — *Interbedded turbiditic medium- to very fine-grained quartz-rich sandstone and subordinate siltstone-mudstone. (Retreat Formation) (SDpr).*

PANAMA GROUP — MATHINNA SUPERGROUP

IGNEOUS ROCKS

CENOZOIC

PALEOCENE – MIOCENE

- **Tb** — *Basalt (Tb); quartz tholeiite (Tbq), olivine tholeiite (Tbt) transitional olivine basalt (Tbr); nepheline hawaiite (Tbnh); olivine nephelinite with lherzolite xenoliths (Tbnx) indicated.*

PALEOZOIC

DEVONIAN – MIDDLE DEVONIAN

- **Dgra** — *Medium- to coarse-grained, equigranular, biotite-hornblende granodiorite (Dgra) (Dioldeum Granodiorite; i-type).*

Geological boundary – position approximate
Geological boundary – inferred
Transitional geological boundary – position approximate.
Unconformable boundary – position approximate.
Intrusive boundary – position accurate or approximate.
Metamorphic boundary.
Thrust fault (teeth on upper plate – inferred).
Thrust fault (teeth on upper plate – concealed).
Fault – inferred from airborne magnetic data.
Fault – concealed, inferred from airborne magnetic data.
Lineament visible in airborne magnetic data.

Strike and dip of bedding: facing known; overturned; facing unknown; vertical, facing unknown.
Strike and dip of cleavage: type and relative age unspecified; penetrative cleavage; vertical penetrative cleavage.
Trend and plunge of minor fold hinge line, unspecified relative age, with dip and dip direction of axial surface; with dextral vergence.
Trend and plunge of minor antiform, relative local age F1.
Trend and plunge of bedding/primary cleavage intersection lineation (L1).
Strike and dip of outcrop-scale fault of unspecified relative age, type unspecified.
Field station for adjacent readings on the map.
Notable small outcrop or float / lag occurrence

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. 1995 from the following sources (see responsibility diagram):

A MARSHALL, B., BARTON, C.M., JENNINGS, D.J. and NAQVI, I.H. 1965. Geological Atlas 1:63 360 Series. Sheet 31 (8515N) Pipers River. Tasmania Department of Mines.

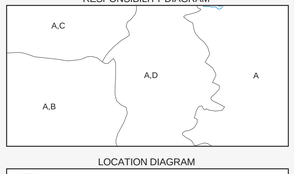
Updated by:

B D.B. Seymour 2008 – 09: Stratigraphic revision and re – mapping of Mathinna Supergroup supported by interpretation of airborne geophysical data, as part of the TasExplore Project, Mineral Resources Tasmania.

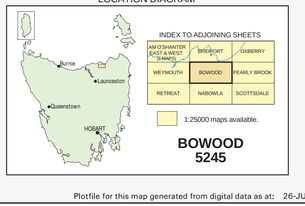
C D.B. Seymour 2008 – 09: Stratigraphic re –assignment of Mathinna Supergroup supported by interpretation of airborne geophysical data, as part of the TasExplore Project, Mineral Resources Tasmania.

D M.P. McClenaghan 2008 – 09: Stratigraphic revision and re – mapping of Mathinna Supergroup supported by interpretation of airborne geophysical data, as part of the TasExplore Project, Mineral Resources Tasmania.

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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WARNING:INKS ARE LIGHT SENSITIVE