Department of Infrastructure Energy and Resources
MINERAL RESOURCES TASMANIA

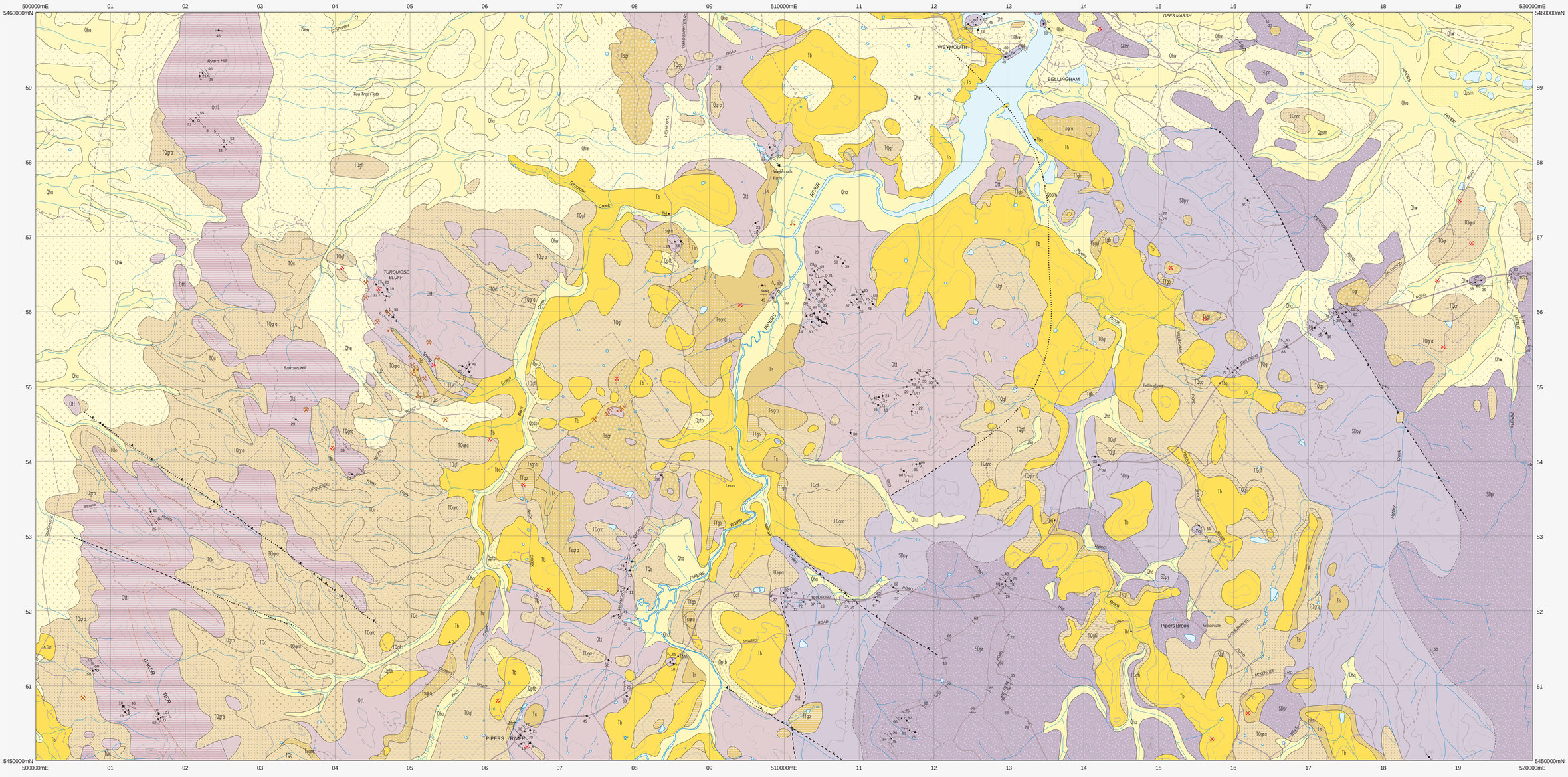
DIGITAL GEOLOGICAL ATLAS 1:25 000 SCALE SERIES
WEYMOUTH, SHEET 5045

WEYMOUTH

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).*
- **Qhb** — *Beach sand (Qhb).*
- **Qhw** — *Windblown sand (Qhw).*
- **Qptb** — *Basalt talus (Qptb).*
- **Qpsm** — *Marine terrace deposits of gravel, sand, clay, shells and organic material (Qpsm).*

PALEOGENE - NEOGENE

- **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).*
- **TQgfi** — *Ironstone horizons (TQgfi).*
- **TQs** — *Sandstone and conglomerate (TQs).*
- **Ts** — *Conglomerate, gravel, sand, silt, mud and clay (Ts).*
  - **Tb** — *Basalt (Tb).*
  - **Tsga** — *Angular gravel, mainly vein quartz (Tsga).*
  - **Tsgr** — *Rounded gravel, mainly vein quartz (Tsgr).*
  - **Tsgra** — *Rounded and angular gravel, mainly vein quartz (Tsgra).*
  - **Tfgb** — *Grey-billy and silcrete (Tfgb).*

Unconformity

PALEOZOIC

SILURIAN

PANAMA GROUP

- **SDpr** — *Interbedded turbiditic medium- to very fine-grained quartz-rich sandstone and subordinate siltstone-mudstone. (Retreat Formation) (SDpr).*
- **SDpy** — *Dominantly thin-bedded mudstone, with subordinate cross-laminated siltstone. (Yarrow Creek Mudstone) (SDpy).*

Inferred fault.

ORDOVICIAN

TIPPOGOREE GROUP, MATHINNA SUPERGROUP

- **Ott** — *Dominantly dark grey phyllitic slate, with minor thin beds of quartz-rich siltstone. Contains Ordovician graptolites (Turquoise Bluff Slate) (Ott).*
  - **Otti** — *Interbedded phyllitic slate and foliated very fine-grained quartz-rich sandstone (Industry Road Member) (Otti).*

CENOZOIC

PALEOCENE - NEOGENE

IGNEOUS ROCKS

- **Tb** — *Basalt (Tb); quartz tholeiite (Tbq), olivine tholeiite (Tbt), transitional olivine basalt (Tbr) and nepheline hawaiite (Tbnh) indicated.*

Geological boundary – position approximate.
Geological boundary – inferred.
Transitional geological boundary – position approximate.
Lithological trend line.
Fault – position approximate.
Fault – inferred.
Fault – concealed.
Thrust fault (teeth on upper plate) – inferred.
Thrust fault (teeth on upper plate) – concealed.

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; crenulation cleavage.
Trend and plunge of minor fold hinge line, unspecified relative age, with dip and dip direction of axial surface; antiform.
Trend and plunge of minor fold hinge line, relative local age F1; with dip and dip direction of axial surface; reclined fold.
Trend and plunge of minor fold hinge line, relative local age F2; with dip and dip direction of axial surface; antiform; with sinistral vergence.
Trend and plunge of minor fold hinge line, relative local age F3; with dip and dip direction of axial surface.
Trend and plunge of bedding/primary cleavage intersection lineation (L1); lineation(L2) formed by intersection of cleavages or foliations of relative local ages S1 and S2.
Strike and dip of outcrop-scale thrust fault of unspecified relative age; relative local age D2.
Notable small float or lag occurrence; with rock type indicated.
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. 1995 from the following sources (see responsibility diagram):

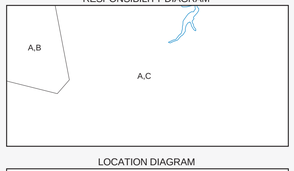
A MARSHAL, B., BARTON, C.M., JENNINGS, D.J. and NAQVI, I.H. 1965. Geological Atlas 1:63 360 Series. Sheet 31 (8515N) Pipers River. Tasmania Department of Mines.

Updated by:

B D.B. Seymour 2008 – 09: Stratigraphic revision of Mathinna Supergroup as part of the TasExplore Project, Mineral Resources Tasmania.

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

RESPONSIBILITY DIAGRAM



REFERENCE THIS MAP AS:

McCLENAGHAN, M.P. and SEYMOUR, D.B. (compilers) 2010. Digital Geological Atlas 1:25 000 Scale Series. Sheet 5045. Weymouth. Mineral Resources Tasmania.

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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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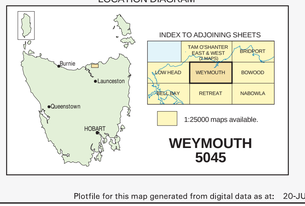
LOCATION DIAGRAM



Plotfile for this map generated from digital data as at: 20-JUL-2011

WARNING:INKS ARE LIGHT SENSITIVE