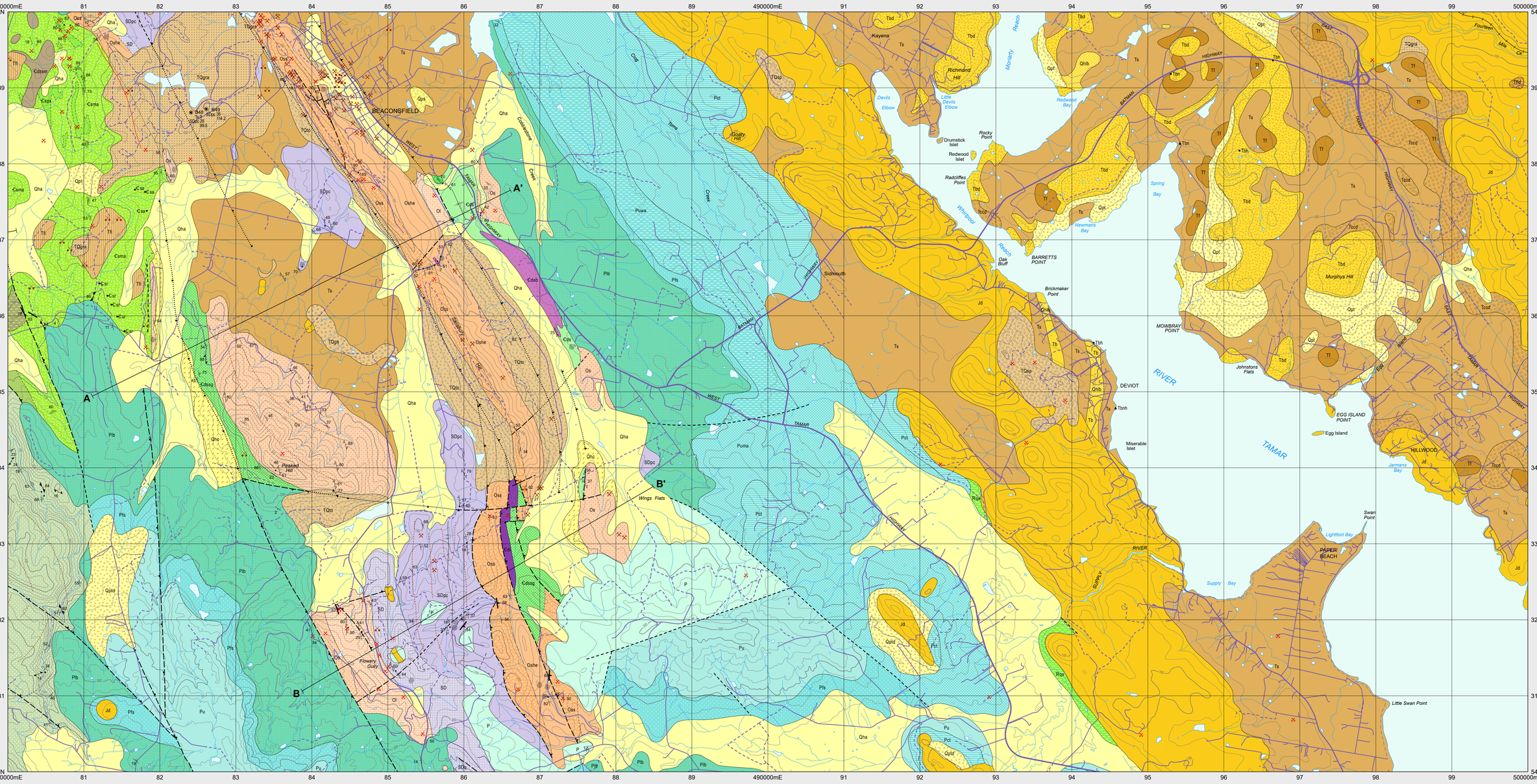
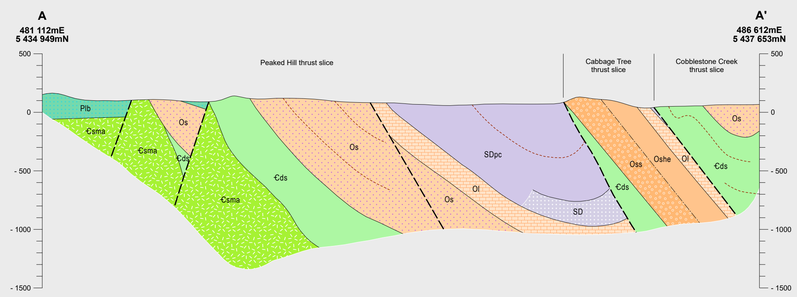
Department of State Growth
MINERAL RESOURCES TASMANIA

DIGITAL GEOLOGICAL ATLAS 1:25 000 SCALE SERIES
BEACONSFIELD, SHEET 4843

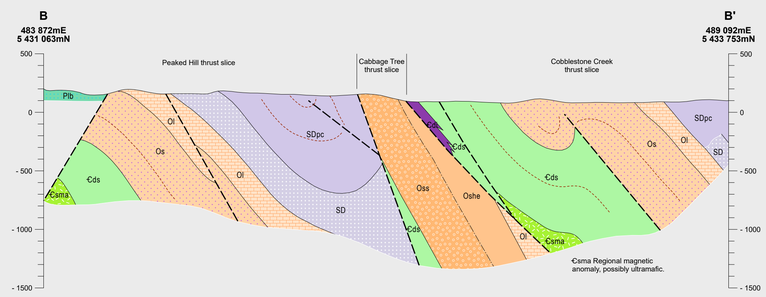
BEACONSFIELD

Scale 1:25 000





SECTION V:H = 1:1



SECTION V:H = 1:1

CENOZOIC

QUATERNARY

- **Qha** — *Stream alluvium, swamp and marsh deposits (Qha).*
- **Qhc** — *Colluvium (Qhc).*
- **Qhlb** — *Basalt derived lag deposit (Qhlb).*
- **Qps** — *Silt with rounded clasts of granite, schist, quartzite, conglomerate, derived from Permian strata (Qps).*
- **Qpt** — *Talus, till and scree of probable Pleistocene age (Qpt). Talus consisting dominantly of dolerite boulders (Qptd).*
- **TQw** — *Carbonate spring deposit (TQw).*
- **TQto** — *Talus dominantly of Ordovician sandstone (TQto).*
- **TQsp** — *Partially consolidated granule sand (TQsp).*
- **TQga** — *Angular gravel, mainly vein quartz (TQga).*
- **TQgra** — *Rounded and angular gravel, mainly vein quartz (TQgra).*

PALEOGENE - NEOGENE

- **Ts** — *Dominantly non-marine sequences of gravel, sand, silt, clay and regolith (Ts).*
  - **Tccd** — *Dolerite boulder and cobble horizon (Tccd).*
  - **Tf** — *Ferricrete (Tf).*
- **Tb** — *Basalt (Tb); hawaiite (Tbh) and nephelinite hawaiite (Tbnh) indicated.*
  - **Tbd** — *Basanitic dolerite. Dominantly lava flows (Tbd). Hawaiite (Tbh) and olivine nephelinite (Tbn) indicated.*
- **Tfd** — *Laterite derived from Jurassic dolerite (Tfld).*
- **Tfi** — *Pisolitic ironstone (Tfi).*

~~~~~~~~~~~~ *Unconformity.*

MESOZOIC

TRIASSIC

- **Rqs** — *Cross-bedded quartz sandstone, feldspathic sandstone and shale (Rqs).* — UPPER PARMENER SUPERGROUP

PERMIAN

- **P**
  - **Pct** — *Undifferentiated Permo-Carboniferous sediments (P). Carbonaceous sandstone and shale (Clog Tom Sandstone) (Pct).*
  - **Puma** — *Upper glaciomarine sequences of pebbly mudstone, pebbly sandstone and limestone (Pu).*
  - **Pu** — *Wormcast siltstone and sandstone (Middle Arm Group) (Puma).*
  - **Puwa** — *Fossiliferous sandstone, siltstone and limestone (West Arm Group) (Puwa).*
  - **Pfs** — *Dominantly well-sorted quartz sandstone, normally cross-bedded or laminated and commonly with interbedded and laminated carbonaceous shale, lesser conglomerate and rare coal (correlate of Liffey Group) (Pfs).*
  - **Plb** — *Pebbly mudstone, fossiliferous sandstone and minor conglomerate (Masseys Creek Group) (Plb).*

LOWER PARMENER SUPERGROUP

~~~~~~~~~~~~ *Unconformity.*

PALEOZOIC

SILURIAN - DEVONIAN

LOWER DEVONIAN

- **SDpc** — *Quartzwacke turbidite sequence of interbedded sandstone siltstone and mudstone, with Early Devonian (Pragian) marine fossils (Corn Hill Formation) (SDpc).* — CORRELATE OF PANAMA GROUP

? ~~~~~~~~~~ ? *Inferred disconformity.*

- **SD**
  - **SDq** — *Quartz sandstone, laminated siltstone and shale, locally with Late Ordovician or Early Silurian marine fossils (Johnston Creek Formation) (SD). Quartzite (SDq).* — MATHINNA SUPERGROUP

~~~~~~~~~~~~ *Disconformity.*

ORDOVICIAN

- **Ol** — *Limestone with rare siltstone and impure sandstone; contains Middle Ordovician deep water marine fossils (Flowery Gully Limestone) (Ol).* — GORDON GROUP
- **Os**
  - **Oshe** — *Undifferentiated conglomerate and quartzose sandstone (Os). Tabular-bedded commonly hematitic quartz sandstone, carbonate-bearing sandstone and less common siltstone; contains Early Ordovician Lancefieldian marine fossils (Eaglehawk Gully Formation) (Oshe).*
    - **Osheb** — *Transitional basaltic andesite and volcaniclastic sandstone (Eaglehawk Gully Basalt) (Osheb).*
  - **Oss** — *Quartz-pebble or-cobble conglomerate to gritty sandstone with thickly-to thinly-bedded quartz sandstone (Salisbury Hill Formation); includes Cabbage Tree Conglomerate Member at base) (Oss).* — CORRELATE OF OWEN GROUP; WURAWINA SUPERGROUP

~~~~~~~~~~~~ *Disconformity.*

CAMBRIAN

CAMBRIAN SERIES 3

- **Ꞓds** — *Slate, sandstone, and polymict conglomerate, rarely intercalated with volcanic and meta-volcanic rocks; locally contains Middle Cambrian marine fossils (Ꞓds). Slate, impersistent greywacke sandstone and rare polymict conglomerate (Ꞓdssg).*
  - **Ꞓdssg** — *Polymict to monomict conglomerate gritty sandstone and rare siltstone (Ꞓdscs). (Ꞓds, Ꞓdscs, Ꞓdssg - Blyths Creek Formation).*
  - **Ꞓdscs** — DUNDAS GROUP

TERRENEUVIAN - CAMBRIAN SERIES 2

- **Ꞓdslc** — *Laminated, commonly brecciated chert (Ꞓdslc).*
- **Ꞓdssm** — *Siliceous metamorphic rocks (Settlers Schist) (Ꞓdssm).*
- **Ꞓsaa** — *Metamorphic succession comprising chlorite-and biotite-grade metasedimentary rocks, mafic and serpentinised ultramafic rocks and amphibolite (Ꞓsaa).*

~~~~~~~~~~~~ *Unconformity attributed to major thrusting.*

NEO-PROTEROZOIC

- **Poh** — *Sandstone, slate and phyllite (Poh).* — BADGER HEAD GROUP

IGNEOUS ROCKS

MESOZOIC CENOZOIC

PALEOGENE - NEOGENE

- **Tb** — *Basalt (Tb); hawaiite (Tbh), nepheline hawaiite (Tbnh) and olivine nephelinite (Tbn) indicated.*
- **Tbd** — *Basanitic dolerite. Dominantly lava flows (Tbd).*

JURASSIC

- **Jd** — *Dolerite and related rocks (Jd).*

PALEOZOIC

ORDOVICIAN

- **Osheb** — *Transitional basaltic andesite and volcaniclastic sandstone (Eaglehawk Gully Basalt) (Osheb).*

CAMBRIAN

CAMBRIAN SERIES 2

- **Ꞓdab** — *Tholeiitic basaltic andesite (Ꞓdab).*

TERRENEUVIAN - CAMBRIAN SERIES 2

- **Ꞓdi** — *Plagioclase-phyric dolerite, pyroxene-phyric basaltic andesite and amphibolite (Ꞓdi).*

NEO-PROTEROZOIC (?)

- **Ꞓsma** / **Ꞓspx** — *Serpentinite with amphibole (Ꞓsma), with local occurences of rodingite (Ꞓsr) and coarse-grained quartz-feldspar igneous rock (Ꞓsa). Serpentinised pyroxenite (Ꞓspx).*
- **Ꞓsaa** — *Metamorphic succession comprising chlorite-and biotite-grade metasedimentary rocks, mafic and serpentinised ultramafic rocks and amphibolite (Ꞓsaa).*

CONTACTS

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

FAULTS

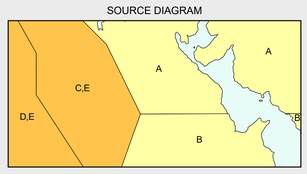
- *Fault.*
- *Fault - inferred.*
- *Fault - concealed.*
- *Normal fault (downthrown side indicated).*
- *Normal fault (downthrown side indicated) - inferred.*
- *Normal fault (downthrown side indicated) - concealed.*
- *Thrust fault (teeth on upper plate).*
- *Thrust fault (teeth on upper plate) - concealed.*

LINEARS

- *Axial surface trace of major antiform.*
- *Axial surface trace of major synform.*
- *Axial surface trace of major overturned synform.*
- *Axial surface trace of major early overturned antiform.*
- *Axial surface trace of major early overturned synform.*
- *Subsurface geological boundary projected to surface.*
- *Lineament - visible on aerial photographs.*
- *Lineament - visible in magnetic data.*
- *Lithological trend line, including bedding trace interpreted from aerial photographs.*

- *Strike and dip of bedding - right way up; overturned.*
- *Strike and dip of bedding, facing unknown.*
- *Strike and dip of compositional layering.*
- *Strike and dip of cleavage of unspecified type and relative age.*
- *Strike and dip of cleavage, relative local age S_1; S_1 vertical; S_2; S_4.*
- *Strike and dip of outcrop-scale fault of unspecified type and relative age, type unspecified.*
- *Strike and dip of outcrop-scale thrust fault of unspecified relative age.*
- *Borehole location with name, depth of rock units encountered, and final depth.*
- *Field station for adjacent readings on the map.*
- *Notable small outcrop with rock unit indicated.*
- *Notable small float or lag occurrence with rock unit indicated.*
- *Macrofossil location.*
- *Mineral deposit location - hardrock.*
- *Mineral deposit location - alluvial/tailings.*
- *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 A.R. Reed, B.Sc.(Hons), Ph.D., 2001 from the following sources (see source diagram):

A GEE, R.D., LEGGE, P.J., 1971. Geological Atlas 1:63 360 Series. Sheet 30 (8215N), Beaconsfield. Tasmania Department of Mines.

B GULLINE, A.B., NAQVI, H.I. 1973. Geological Atlas 1:63 360 Series. Sheet 38 (8215S), Frankford. Tasmania Department of Mines.

C A.R. Reed, G. MacDonald, P.B. Hills, 2001. New mapping.

D A.R. Reed, 1998-2000. New mapping.

Updated by:

E Vicary, M. 2005. Additional map compilation and review of existing maps in western Tasmania. Mineral Resources Tasmania UR2005/05.

REFERENCE THIS MAP AS:

REED, A.R. (compiler) 2001. Digital Geological Atlas 1:25 000 Scale Series. Sheet 4843 Beaconsfield. 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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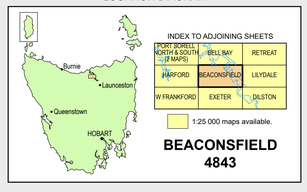
LOCATION DIAGRAM



Map generated: 11-DEC-2025

WARNING: INKS ARE LIGHT SENSITIVE.
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