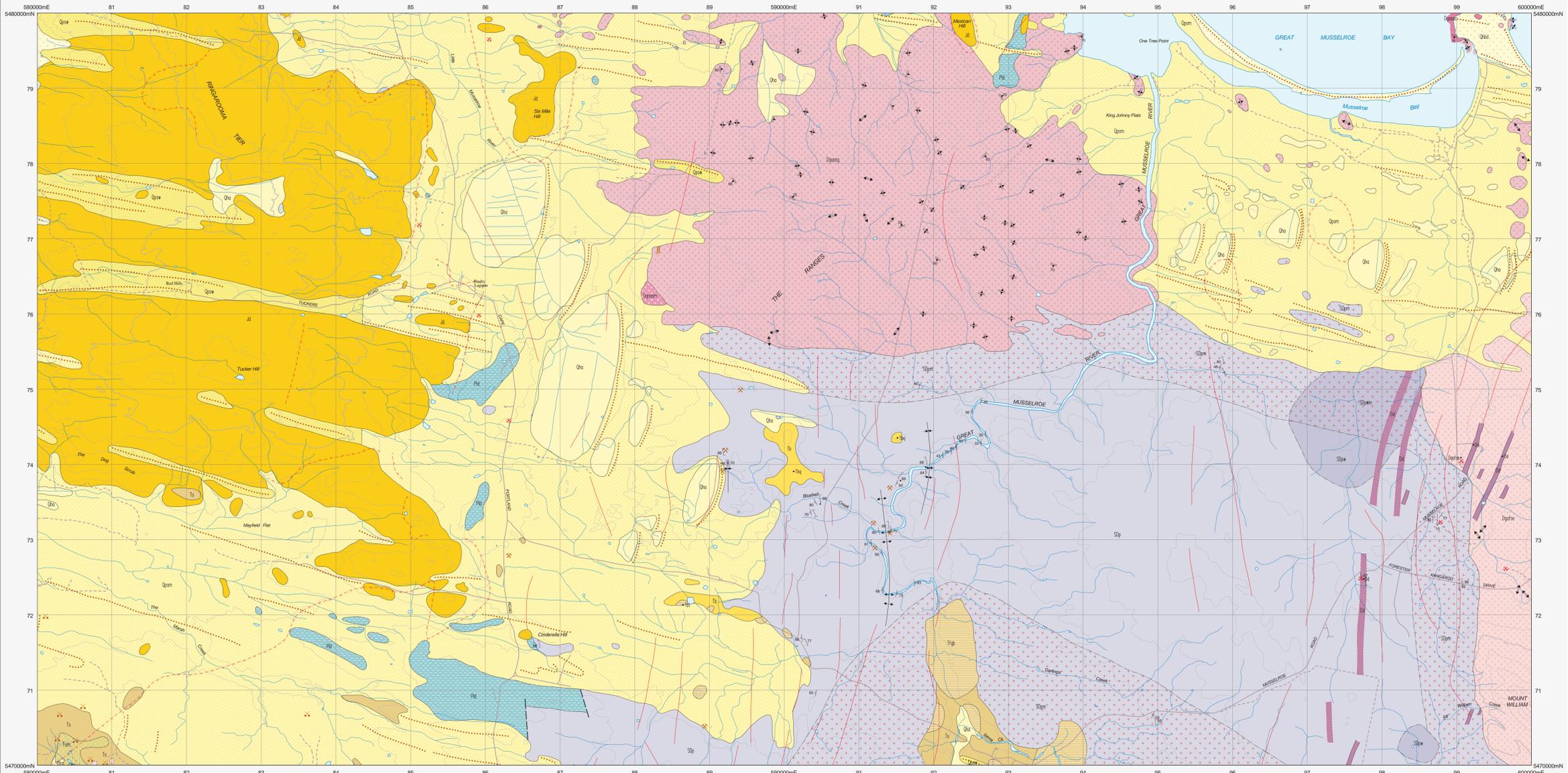
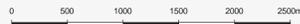


MUSSELROE

Scale: 1:25 000



PERMIAN - TRIASSIC	PALEOZOIC - NEOZOIC	QUATERNARY	HOLOCENE
<p>PALEOZOIC</p> <p>PERMIAN - TRIASSIC</p> <p>PR Undifferentiated Permian Supergroup rocks (PR). Richly to sparsely fossiliferous (bryozoan) siltstone with argillites and poorly sorted pebbly sandstone (Lower glacio-marine sequence) (PR).</p>	<p>PALEOZOIC</p> <p>DEVONIAN</p> <p>Dg Fine-grained, equigranular biotite-muscovite granite (Dg). Dgosc Coarse- to very coarse-grained, variably porphyritic biotite-garnet-minor muscovite alkali feldspar granite/syenogranite/monzogranite (Dgosc) (Musselroe Granite, Ansona Bay Granite, S-type). Dgosc Medium-grained, equigranular biotite-muscovite alkali feldspar granite (Dgosc) (Mt William Granite, S-type). Dgosc Fine- to coarse-grained porphyritic garnet-bearing, biotite-muscovite syenogranite/alkali feldspar granite (Dgosc) (Bathurst Granite, S-type). Dgosc Fine- to medium-grained, equigranular biotite-cordierite-minor muscovite syenogranite/monzogranite (Dgosc) (Musselroe Point Microgranite, S-type). Dgosc Fine-grained, equigranular biotite muscovite granite (Dgosc).</p>	<p>QUATERNARY</p> <p>Qha Stream alluvium, swamp and marsh deposits (Qha). Qhd Dune sand (Qhd). Qhd Younger aeolian dune sand, beach sand and gravel (Qhd). Qpm Marine terrace deposits of gravel, sand, clay, shells and organic material (Qpm), older aeolian sand and sand dunes (Qpm).</p>	<p>HOLOCENE</p> <p>Ts Sand, gravel and clay disturbed by man (Ts). Ts Sand, gravel and clay (Ts). Tfip Grey-billy and siltcrete (Tfip).</p>

IGNEOUS ROCKS
Tb Basalt (Tb), quartz tholeiite (Tb) and olivine tholeiite (Tb) indicated.
jd Dolerite (jd).
Dd Dolerite dykes (Dd).
Dg Fine-grained equigranular granite (Dg).

- Geological boundary - position approximate.
- Transitional geological boundary - position approximate.
- Geological boundary - inferred from airborne magnetic and/or radiometric data.
- Unconformable boundary - position accurate or approximate.
- (white line) Limit of mapping of sub-unit within undifferentiated rock unit.
- Magnetic gradient or lineament (direction towards lower values indicated).
- Lineament visible in airborne magnetic data.
- Fast - position accurate or approximate.
- Axial surface trace of major later antiform.
- Axial surface trace of major later synform.
- Dune crest.
- Limit of mapping.

- Strike and dip of bedding - right way up; facing unknown.
- Strike and dip of cleavage, unspecified relative age; vertical.
- Strike of vertical orientation cleavage.
- 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 - dipping vertical.
- Trend of preferred orientation of K-feldspar phenocrysts in granitic rock.
- Notable small float or log occurrence, with rock type indicated.
- Notable small outcrop with rock unit indicated.
- Mineral deposit location - hardrock.
- Mineral deposit location - alluvial/tailings.
- Construction material/industrial mineral/gemstone location.

Compiled by M.P. McLennaghan, B.Sc.(Hons), Ph.D. 2004 from the following sources (see responsibility diagram):

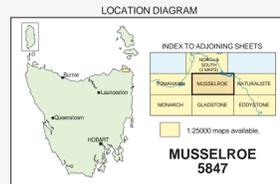
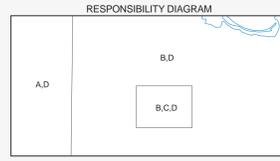
A BAILLIE, P.W., TURNER, N.J., COX, S.F., JENNINGS, D.J. and SUTHERLAND, F.L. 1976. Geological Atlas 1:250,000 Series, Sheet 24 (B4165) Bookiyala, Department of Mines, Tasmania.

B BAILLIE, P.W., JENNINGS, D.J., MCHANE, R.F., WILLIAMS, P.R. 1984. Geological Atlas 1:250,000 Series, Sheet 25 (B4165) Eddystone, Department of Mines, Tasmania.

Updated by:

C J.L. Eversat, February 2008.

D Geophysical lineaments derived from 2008 Mineral Resources Tasmania 'fold lines' data and minor additional ground information added by J.L. Eversat, 2010.



REFERENCE THIS MAP AS:
 MCLENNAGHAN, M.P. (compiler) 2004. Digital Geological Atlas 1:25 000 Scale Series, Sheet 5647 Musselroe. Mineral Resources Tasmania.

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 GDAS4 - MGA Zone 55. Contour Interval: 20 metres.

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