Department of State Growth
MINERAL RESOURCES TASMANIA

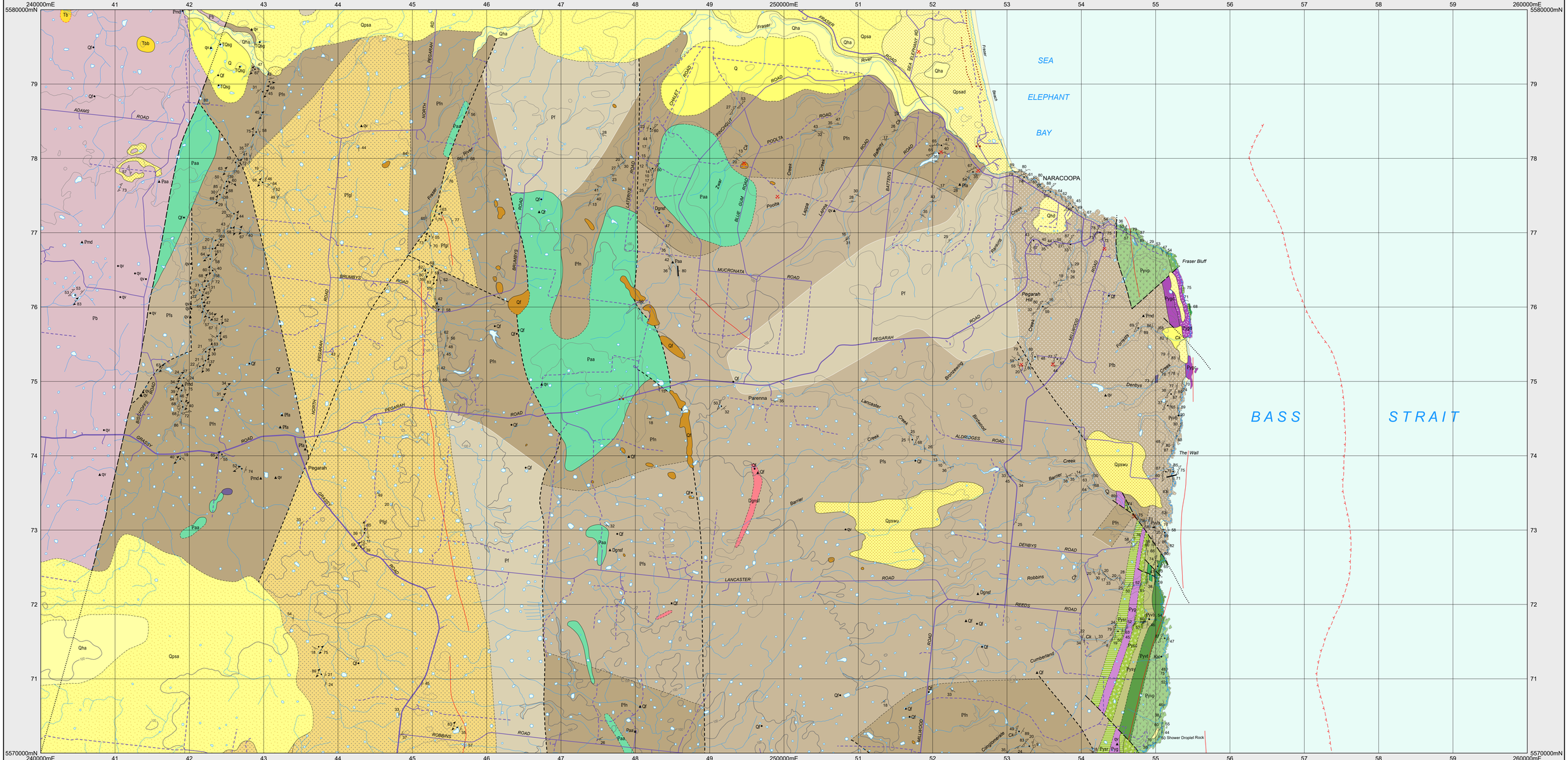
DIGITAL GEOLOGICAL ATLAS 1:25 000 SCALE SERIES
NARACOOPA, SHEET 2457

NARACOOPA

Scale 1:25 000

0 500 1000 1500 2000 2500m

Tasmanian Government



CENOZOIC

QUATERNARY

HOLOCENE

- **Qhb** — *Undifferentiated Quaternary sediments (Q). Mobile beach and dune sand (Qhb).*
- **Qha** — *Stream alluvium, swamp and marsh deposits (Qha).*
- **Qhd** — *Vegetated dune sand (Qhd).*
- **Qpsa** — *Stabilised aeolian sand of coastal plain with underlying marine sand in places (Qpsa).*
- **Qpsad** — *Aeolian and marine sand (unit Qpsa), with preserved relict dune landforms in places (Qpsad).*
- **Qpswu** — *Older aeolian dune sand and minor clay, peat and gravel (Qpswu).*

PLEISTOCENE ?

- **Qf** — *Ironstone (Qf).*

NEOGENE ?

- **TQsg** — *Semiconsolidated coarse-grained sand and gravel (TQsg).*

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

NEOPROTEROZOIC

EDIACARAN

- **Pyvp** — *Massive, tholeiitic basalt, with minor volcaniclastic conglomerate (Grahams Road volcanics) (Pyvg).*
- **Pyvp** — *Pillow lava, volcanic breccia, volcanic sandstone, and thin lava flows, all of picritic composition (Shower Droplet Volcanics) (Pyvp).*
- **Pyvt** — *Tholeiitic basalt and volcanic breccia and sandstone (City of Melbourne Volcanics) (Pyvt).*
- **Pysy** — *Shale; pale yellow-green, red, or black in colour (Yarra Creek Shale) (Pysy).*
- **Pysd** — *Laminated dolostone and interbedded dolostone, shale and limestone (Cumberland Creek Dolostone) (Pysd).*
- **Pysc** — *Diamictite with clasts up to boulder size of dominantly dolostone, limestone and metasiltstone in a fine-grained carbonate-rich matrix (Cottons Breccia) (Pysc).*
- **Pysr** — *Laminated black shale and chloritic siltstone, with minor altered mafic lavas and local basal conglomerate (Robbins Creek Formation) (Pysr).*

GRASSY GROUP

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

CRYOGENIAN

MESOPROTEROZOIC

- **Pf** — *Undifferentiated Fraser Formation (Pf).*
- **Pfn** — *Thick-bedded grey-black mudstone with minor thin beds of quartzose siltstone (Pfn).*
- **Pfs** — *Thick-bedded micaceous quartzose siltstone and very fine-grained quartz sandstone with minor grey-black mudstone (Pfs).*
- **Pfb / Pfgl** — *Pale grey, laminated quartzose metasiltstone and minor pelitic siltstone, with metamorphic chlorite and biotite (Pfb); with chlorite, biotite and garnet (Pfgl).*
- **Pfgp** — *Thinly interbedded grey silty metapelite and pale grey quartzose metasiltstone, with metamorphic chlorite, biotite and garnet (Pfgp).*
- **Pfa** — *Actinolite-quartz-biotite hornfels (Pfa).*

FRASER FORMATION

~~~~~~~~~~ *Fault.*

- **Pb** — *Fine-grained quartzose metasandstone, metasiltstone and quartz-mica schist (Surprise Bay Formation) (Pb).*

INTRUSIVE ROCKS

CENOZOIC

PALEOGENE–NEOGENE

- **Tb** — *Basalt, including basanite plug near Adams Road at 241400mE, 5579500mN dated at 62Ma (Tbb).*

MESOZOIC

CRETACEOUS

- **Kal** — *Lamprophyre near Cumberland Creek at 255100mE, 5571300mN (Kal).*

PALEOZOIC

CARBONIFEROUS — MISSISSIPPIAN

- **Dgnsf** — *Microgranite and quartz-feldspar porphyry (Dgnsf).*

NEOPROTEROZOIC

EDIACARAN

- **Pyg** — *Subvolcanic andesitic intrusive sheet in Grassy Group (Pyg); doleritic variant (Pygd) with gabbroic cumulate base (Pygc). (Grimes Intrusive Suite: Pyg, Pygd, Pygc).*
- **Pyvb** — *Basaltic intrusives (Pyvb); tholeiitic (Pyvbt).*

MESOPROTEROZOIC

- **Pmd** — *Dolerite (Pmd).*
- **Paa** — *Coarse-grained hornblende amphibolite (Paa).*
- ▲ qv — *Notable quartz vein (qv).*

CONTACTS

- *Geological contact.*
- *Geological contact - inferred.*
- *Geological contact - inferred from magnetic data.*
- *Limit of mapping of sub-unit within undifferentiated rock unit.*
- *Limit of detailed mapping.*

FAULTS

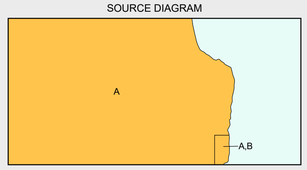
- *Fault.*
- *Fault - inferred.*
- *Fault - concealed.*

LINEARS

- *Dune crest.*
- *Lineament - visible in magnetic data.*
- *Magnetic gradient or lineament (direction towards lower values indicated).*

- *Strike and dip of bedding - facing known; facing unknown, overturned.*
- *Strike and dip of primary flattening of pillows.*
- *Strike and dip of dyke or vein, rock type or mineral unspecified; with dip and dip direction indicated.*
- *Strike and dip of outcrop-scale fault of unspecified relative age, type unspecified.*
- *Strike and dip of cleavage - type and relative age unspecified; relative local age S_1; relative local age S_2; relative local age S_3.*
- *Trend and plunge of hingeline of minor fold - unspecified relative age; relative local age F_3.*
- *Notable small outcrop with rock unit indicated.*
- ▲ *Notable small float or lag occurrence with rock unit indicated.*
- *Mineral deposit location - hardrock.*
- *Mineral deposit location - alluvial/tailings.*
- *Construction material/industrial mineral/gemstone location.*

SOURCE DIAGRAM



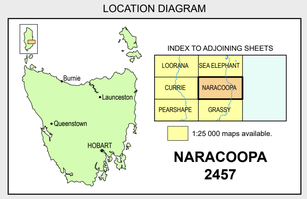
- Highly detailed (eg. more detailed than 1:25 000 scale mapping).
- Detailed systematic (eg.1:25 000 map or equivalent detail).
- Regional systematic (eg.1:50 000, 1:63 360 map or equivalent detail).
- Regional mapping less detailed than 1:63 360 map or equivalent (all other scales).
- Reconnaissance mapping with sparse ground traverses.
- Remote sensing and/or geophysical interpretation with limited or no ground information.

Geology by C.R. Calver, B.Sc.(Hons), 2010 from the following sources (see source diagram):

A C.R. Calver 1:25 000 scale geological mapping, 2008-2009.

B WALDRON, H.M., and BROWN, A.V., 1993, Geological setting and petrochemistry of Eocambrian-Cambrian volcano-sedimentary rock sequences from southeast King Island, Tasmania: Mineral Resources Tasmania Report 1993/28.

LOCATION DIAGRAM



REFERENCE THIS MAP AS:

CALVER, C.R. 2010. Digital Geological Atlas 1:25 000 Scale Series. Sheet 2457 Naracoopa. Mineral Resources Tasmania.

Map produced by Spatial Information Services, Mineral Resources Tasmania.

Website: www.mrt.tas.gov.au

GDA94 - MGA Zone 55. Contour Interval: 20 metres.

Map generated: 09-DEC-2025

WARNING: INKS ARE LIGHT SENSITIVE.
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