

SOUTHERN OCEAN

INTRUSIVE ROCKS

- ▲ Dgnsq Feldspar-chlorite (after hornblende)lytic microgranodiorite porphyry float at 23310mE, 5580224mN (Dgnsq).
- Png Tholeiitic metadolite dykes in Loorana Granite (Png).
- Pngf Strongly fractionated metadolite dykes, generally feldspar-phyric, in Loorana Granite (Pngf).
- Pmt Tholeiitic metadolite dykes in Surprise Bay Formation, probably equivalent to Pngf (Pmt).
- Pgi Equigranular/seriate to sparsely porphyritic (K-feldspar), fine- to medium-grained biotite monzogranite, with sparse mafic enclaves (Loorana Granite) (Pgi).
- Pgl Quartz-feldspar porphyry dykes related to Loorana Granite (at 232890mE, 5580125mN) (Pgl).
- Pgle Epidote (quartz-epidote-ilmenite rock), probably derived from Loorana Granite (at 231845mE, 5586120mN) (Pgle).

CONTACTS

- Geological contact.
 - Geological contact - inferred.
 - Geological contact - inferred from magnetic data.
 - Geological contact - inferred from radiometric data.
 - Geological contact - based on interpretation of aerial photograph.
 - Limit of mapping of sub-unit within undifferentiated rock unit.
 - Limit of detailed mapping.
- ### LINEARS
- Subsurface geological boundary projected to surface.
 - Dune crest.
 - Lineament - visible on aerial photographs.
 - Lineament - visible in magnetic data.
 - Magnetic gradient or lineament (direction towards lower values indicated).

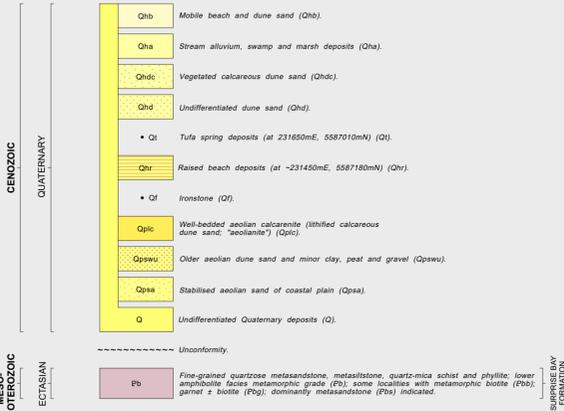
- ↗ Strike and dip of bedding - right way up; facing unknown.
- ↘ Strike and dip of cleavage of unspecified type and relative age.
- ↗↘ Strike and dip of foliation due to alignment of K-feldspar phenocrysts in granitic rock.
- ↗↘ Trend of preferred orientation of K-feldspar phenocrysts in granitic rock.
- ↗↘ Strike and dip of foliation due to alignment of hornblende and/or biotite in granitic rock.
- ↗↘ Strike and dip of mylonite foliation or mylonite zone.
- Borehole location with name, depth of rock units encountered, and final depth.
- Sand, gravel and mud of alluvial, lacustrine and littoral origin (Qh).
- 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.
- ✕ 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 J.L. Everard, B.Sc.(Hons), 2020 from the following sources (see source diagram):
A J.L. Everard, 1:25 000 scale geological mapping, 2011 - 2012.
B J.L. Everard, 1:25 000 scale geological mapping, 2019.
C G.V. Cumming, 1:25 000 scale geological mapping, 2019.
With Acknowledgements to:
Jerrings, J.N. 1959. The coastal geomorphology of King Island, Bass Strait, in relation to changes in the relative level of land and sea. Records of the Queen Victoria Museum, Launceston, New Series 11.



REFERENCE THIS MAP AS:

EVERARD J.L. and CUMMING G.V. 2021. Digital Geological Atlas 1:25 000 Scale Series, Sheet 2258 Loorana. Mineral Resources Tasmania.

Base data from the LIST, Copyright State of Tasmania. Mineral Resources Tasmania.

Map produced by Spatial Information Services, Mineral Resources Tasmania.

Website: www.mrt.tas.gov.au

GDMS4 - MGA Zone 55. Contour Interval: 20 metres.



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LOCATION DIAGRAM

