



SOUTHERN OCEAN

PHOQUES BAY

FRANKLIN ROAD

Quarantine Bay

INTRUSIVE ROCKS

- Tholeiitic dolerite dykes; younger than Tonian granites (Pmgl).
- Granitic dykes, including quartz-feldspar-biotite porphyry and pegmatite (Pgld).
- Microgranite dykes within Loozana Granite (Pglm).
- Equigranular/seriate to sparsely porphyritic (K-feldspar), fine- to medium-grained biotite monzogranite, with sparse mafic inclusions (Loozana Granite, dated at 748 ± 2 Ma, U-Pb SHRIMP on zircon) (Pgl).
- Dominantly fine-grained grey aphyric to sparsely porphyritic microgranite, locally with minor later intrusions of coarse-grained granite (Cape Wickham Granite) (Pgw).
- Dominantly medium- to coarse-grained, porphyritic to locally equigranular/seriate biotite syenogranite/monzogranite, commonly with abundant later minor intrusions of less felsic medium-grained equigranular biotite granites, and minor microgranites and pegmatite (Cape Wickham Granite) (Pgw). (Pgw, Pgw - Cape Wickham Granite dated at 702 ± 14 Ma, U-Pb on zircon, Black et al., 1997).

CONTACTS

- Geological contact.
- Geological contact - inferred from radiometric data.
- Geological contact - based on interpretation of aerial photograph.
- Igneous intrusive contact.
- Limit of mapping of sub-unit within undifferentiated rock unit.
- Limit of detailed mapping.

LINEARS

- Lineament - visible in aerial photographs.
- Lineament - visible in magnetic data.
- Lineament - visible in radiometric data.
- Magnetic gradient or lineament (direction towards lower values indicated).

- Dip of geological contact of unspecified type.
- Strike and dip of bedding, right way up.
- Strike and dip of bedding, facing unknown.
- Strike and dip of compositional layering.
- Strike and dip of foliation of unspecified type and relative age.
- Strike and dip of foliation due to alignment 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 igneous mineral foliation or primary flow banding.
- Strike and dip of cataclastic foliation.
- Strike and dip of outcrop-scale fault of unspecified relative age, type unspecified.
- Strike and dip of dominant joint set.
- Strike and dip of dyke or vein; vertical. Aplite (Dgh). Quartz, orthoclase, tourmaline pegmatite (Dgt). Quartz-tourmaline as vein or small body (gtv).
- 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.
- 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 G.V. Cumming, B.Sc.(Hons), 2021 from the following sources (see source diagram):
A G.V. Cumming, Field mapping, New Year 2019-2021.
B J.L. Everard, Field mapping, New Year 2019-2020.
C C. Calver, Field mapping, New Year, 2012.
D P. Cottam, 1972, Geosko Limited Progress Report for Exploration Licence 5/1969, TCR Report 72-653.

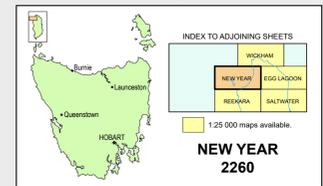
REFERENCE THIS MAP AS:

CUMMING G.V. and EVERARD J.L. 2021. Digital Geological Atlas 1:25 000 Scale Series, Sheet 2260 New Year, 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
GDAM - MGA Zone 55, Contour Interval: 20 metres.



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LOCATION DIAGRAM



NEW YEAR 2260