

INTRUSIVE ROCKS

- Palaeozoic**
 - Early Carboniferous**
 - Dgns Medium-grained equigranular biotite-minor hornblende monzogranite (See Elephant Granite) (Dgns).
 - Permian**
 - Pmt Tholeiitic metadolerite dykes in Surprise Bay Formation (Pmt).
- Neoproterozoic**
 - qv Quartz vein (qv).

CONTACTS

- Geological contact.
- Geological contact - inferred.
- 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.

FAULTS

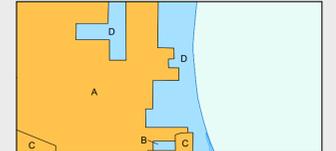
- Lineament - visible on aerial photographs.
- Lineament - visible in magnetic data.
- Magnetic gradient or lineament (direction towards lower values indicated).

CONTACTS (continued)

- Strike and dip of bedding, 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.
- Strike of dyke or vein, with dip and dip direction indicated. Microgranite and quartz-feldspar porphyry (Qspq).
- 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 float or lag occurrence with rock unit indicated.
- Mineral deposit location - hardrock.
- Mineral deposit location - alluvial/tailings.
- Construction material/industrial mineral/gemstone location.

- CENOZOIC**
 - QUATERNARY**
 - Qhb Beach sand (Qhb).
 - Qhd Dune sand (Qhd).
 - Qhi Paralic deposits of clay, silt, sand and minor gravel (Qhi); of paralic lagoon and swamp deposits (Qhli); of modern saltmarsh and tidal flats (Qhls); of unvegetated modern tidal flats (Qhlt).
 - Qha Stream alluvium, swamp and marsh deposits (Qha).
 - Qhg Colluvium derived from granitic rocks (Qhg).
 - Q Ironstone (QI).
 - Qpic Well-bedded aeolian calcarenite (lithified calcareous dune sand, "aeolianite") (Qpic).
 - Qpsa Stabilised aeolian sand of coastal plain, with underlying marine sands in places (Qpsa).
 - Qpsad Aeolian and marine sand (unit Qpsa), with preserved relict dune landforms in places (Qpsad).
 - Qpswu Older aeolian dune sand (Qpswu).
 - Q Undifferentiated Quaternary deposits (Q).
 - EARLY MIOCENE**
 - Tmb Bioclastic shallow marine limestone (bryozoal calcarenite) (Tmb).
- MEZO-PROTEROZOIC**
 - ECTASIAN**
 - EF Micaceous quartzose siltstone, very fine-grained quartz sandstone and grey-black mudstone (EF); contact metamorphosed hornfels (EF). (EF, Efx - Fraser Formation; poorly exposed on this sheet).
 - Inferred faulted contact.
 - Pb Fine-grained quartzose metasediment, metasilstone, quartz-mica schist and phyllite with lower amphibolite facies metamorphic grade (Pb); dominantly metasediment or meta-siltstone (Pbs); dominantly pelitic schist or phyllite (Pbp); some localities with metamorphic biotite (Pbb), garnet & biotite indicated (Pbg).

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.J. Jackman, B.Sc.(Hons), 2022 from the following sources (see source diagram):
A C.J. Jackman, 1:25 000 scale geological mapping, 2020-2021.
B J.L. Everard, Reconnaissance traverses, 2012.
C J.L. Everard, 1:25 000 scale geological mapping, 2019-2020.
D C.J. Jackman, Geophysical (magnetic and radiometric) and aerial photograph image interpretation with limited ground information, 2020-2021.

REFERENCE THIS MAP AS:

JACKMAN, C.J. 2022. Digital Geological Atlas 1:25 000 Scale Series, Sheet 2459 Saltwater, 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
GDSM - MGA Zone 55. Contour Interval: 20 metres.



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LOCATION DIAGRAM

