Department of State Growth
MINERAL RESOURCES TASMANIA

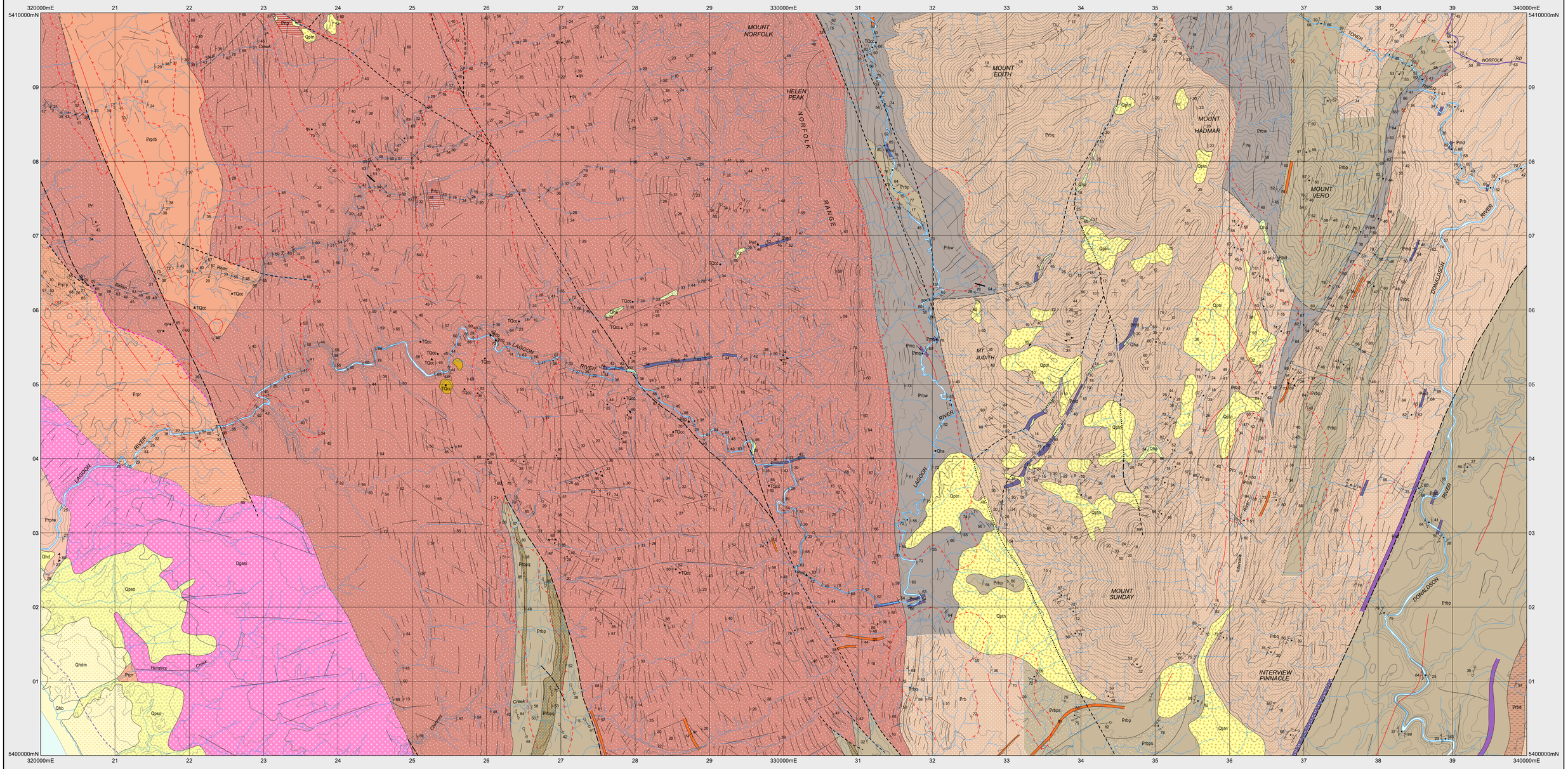
DIGITAL GEOLOGICAL ATLAS 1:25 000 SCALE SERIES
LAGOON, SHEET 3240

LAGOON

Scale 1:25 000

0 500 1000 1500 2000 2500m

Tasmanian Government



CENOZOIC

QUATERNARY

HOLOCENE

- **Qhb** — *Beach sand (Qhb).*
- **Qhd / Qhdm** — *Dune sand (Qhd). Mobile dune sand indicated (Qhdm).*
- **Qha** — *Stream alluvium, swamp and marsh deposits (Qha).*

PLEISTOCENE

- **Qpso** — *Older aeolian windblown and dune sand (Qpso).*
- **Qptn** — *Talus derived from Mesoproterozoic quartzite and sandstone (Qptn).*
- **TQcc** — *Poorly bedded to massive, poorly sorted, clast-supported pebble-cobble conglomerate, consisting of disoriented quartzite clasts (~20-200mm) in a sparse siliceous matrix (TQcc).*

~~~~~~~~~~~~ *Unconformity*

MESOPROTEROZOIC

ECTASIAN

Prb — BALFOUR SUBGROUP (INCLUDES INTERVIEW SILTSTONE) — ROCKY CAPE GROUP

- **Prbd** — *Dark grey, slaty to relatively massive planar-bedded carbonaceous and/or chloritic siltstone and minor mudstone (Prbd; derived from Corinna 1:50 000 map).*
- **Prbp** — *Pale to medium grey-green, slaty to relatively massive planar bedded chloritic siltstone and minor mudstone (Prbp; derived from Corinna 1:50 000 and Pieman Heads 1:63 360 sheets; includes Interview Siltstone) (Prbp).*
- **Prbpq** — *Quartzite beds, interbedded with thinly laminated siltstone and mudstone (Prbpq; derived from Pieman Heads 1:63 360 sheet).*
- **Prbps** — *Grey siltstone, with thin commonly lenticular graded beds of pale siltstone and sandstone, on scoured bases (Prbps; derived from Corinna 1:50 000 map).*
- **Prbq** — *Dominantly micaceous quartz sandstone and quartzite, with subordinate siltstone (Prbq).*
- **Prbw** — *Dominantly thinly ± wavy interlaminated siltstone and fine-grained sandstone (Pbrw).*
- *Dominantly wavy cross-laminated siltstone, consisting of alternating thin laminae of pale siliceous and dark carbonaceous laminae, with local chlorite porphyroblasts and subordinate planar laminated grey or green siltstone (Prb).*

Prl — ROCKY CAPE GROUP

- **Prl** — *Interbedded parallel- to trough cross-bedded orthoquartzite, medium-grained quartz sandstone, minor siltstone and rare quartz-pebble conglomerate and shale (Prl).*
- **Prlp** — *Some units of dominantly laminated grey to cream siltstone (Prlq). (Prl, Prlp: Lagoon River Quartzite).*

Prpr — PEDDER RIVER SILTSTONE — ROCKY CAPE GROUP

- **Prprw** — *Dominantly thinly (~0.5-2mm) interlaminated dark grey to green-grey siltstone and cream to off-white very fine-grained quartz sandstone (Prpr); moderately wavy to convolute lamination; interbeds (~50-100mm) of quartz sandstone and orthoquartzite locally present; pyrite crystals locally abundant (Prprw).*
- **Prprp** — *Dominantly planar laminated, locally pyritic, dark grey siltstone; lenses and guttercasts of cream quartz sandstone locally present (Prprp).*
- **Prprb** — *Dominantly "banded", thickly laminated to thinly interbedded (~5-20mm) dark-medium grey siltstone and cream fine-grained sandstone; lamination and bedding broadly undulose to ± planar (Prprb).*

INTRUSIVE ROCKS

DEVONIAN

- **qv** — *Quartz veins (qv).*
- **Dgasi** — *Dominantly medium- to coarse-grained equigranular, biotite-muscovite monzogranite/ syenogranite, with minor cordierite and rare garnet (Dgasi: Interview Granite; S-type).*

NEOPROTEROZOIC — CRYOGENIAN

- **Pmd** — *Dolerite dykes (Pmd).*
- **Pmf** — *Dolerite dyke - foliated variety (Pmf).*
- **Pmq** — *Dolerite dyke - quartz-bearing variety (Pmq). (Pmd, Pmf, Pmq: part of Tayatea Dyke Swarm).*

CONTACTS

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

FAULTS

- Fault
- Fault - inferred
- Fault - concealed
- Fault - inferred from radiometric data
- Fault - based on interpretation of aerial photographs

LINEARS

- Axial surface trace of major antiform.
- Axial surface trace of major synform.
- 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; horizontal.*
- *Strike and dip of cleavage of unspecified type and relative age; vertical.*
- *Strike and dip of cleavage, relative local age S_1; S_2; S_3*
- *Strike of vertical cleavage, relative local age S_1; S_3*
- *Strike and dip of outcrop-scale fault of unspecified relative age, type unspecified; vertical.*
- *Trend and plunge of minor fold hinge line, unspecified relative age; with dip and dip direction of axial surface; vergence dextral.*
- *Trend and plunge of hinge line of minor fold, unspecified relative age: antiform; synform.*
- *Trend of horizontal minor fold hinge line, unspecified relative age.*
- *Trend and plunge of minor fold hinge line, relative local age F_3, with dip and dip direction of axial surface; horizontal.*
- *Trend and plunge of kink-fold hinge line, with sense of displacement viewed down-plunge: dextral.*
- *Generalised paleocurrent direction, showing sense of movement.*
- *Trend and plunge of lineation of unspecified type lineation (L_x).*
- *Strike of vertical kink band, movement sense unspecified.*
- *Strike and dip of dominant joint set.*
- *Strike and dip of primary igneous banding or platy alignment, and schlieren in granitic rocks.*
- *Strike and dip of cataclastic foliation; vertical.*
- *Trend of dyke or vein with rock unit indicated; with strike and dip indicated.*
- *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.*
- *Mineral deposit location - hardrock.*

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); C.J. Jackman, B.Sc.(Hons) and G.V. Cumming, B.Sc.(Hons) 2019 from the following sources (see source diagram):

A G.V. Cumming field mapping 2018-2019.

B C.J. Jackman field mapping 2018-2019.

C J.L. Everard field mapping 2018-2019.

D J.L. Everard field mapping 2003.

E TURNER, N.J., BROWN, A.V., MCCLENAGHAN, M.P. and SOETRISNO, I. 1991. Geological Atlas 1:50 000 series. Sheet 43 (7914N) Corinna. Tasmanian Department of Mines.

F GEE, R.D., GULLINE, A.B., BRAVO, A.P., LEGGE, P.J. and GROVES, D.I. 1969. Geological Atlas 1 mile series. Zone 7 Sheet 42 (7814N) Pieman Heads. Tasmanian Department of Mines.

REFERENCE THIS MAP AS:

EVERARD, J.L., JACKMAN, C.J. and CUMMING, G.V. (compilers) 2022.
Digital Geological Atlas 1:25 000 Scale Series. Sheet 3240 Lagoon.
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

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

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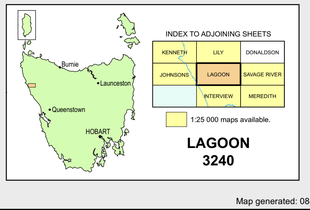
LOCATION DIAGRAM



Map generated: 08-SEP-2023

WARNING: INKS ARE LIGHT SENSITIVE.
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