Department of State Growth
MINERAL RESOURCES TASMANIA

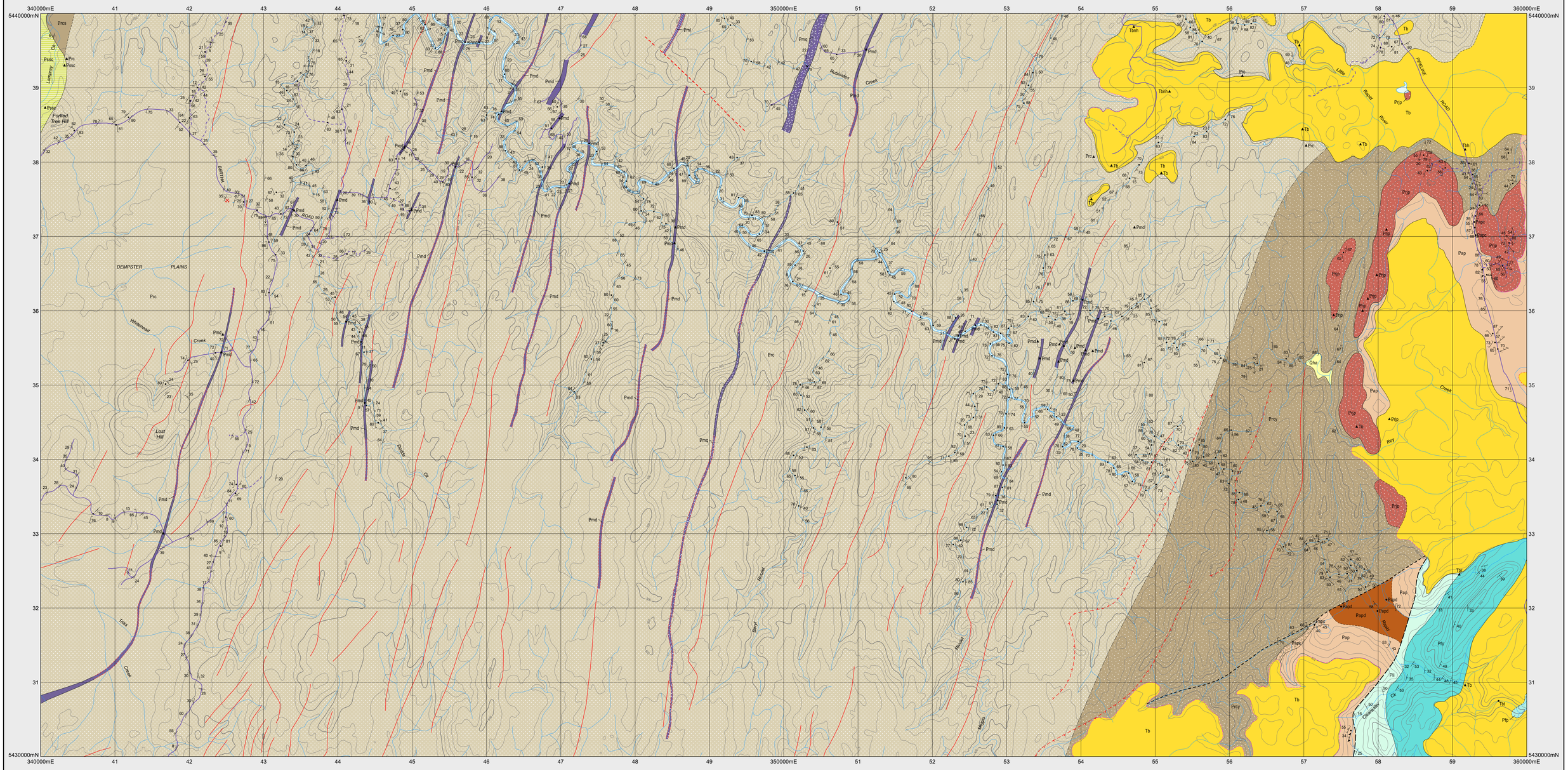
DIGITAL GEOLOGICAL ATLAS 1:25 000 SCALE SERIES
BERYL, SHEET 3443

BERYL

Scale 1:25 000

0 500 1000 1500 2000 2500m

Tasmanian Government



INTRUSIVE ROCKS

NEOPROTEROZOIC – CRYOGENIAN

- Ꝑmd — *Dolerite dykes (Ꝑmd).*
- Ꝑmq — *Dolerite dykes, massive relatively felsic variety with ~58 wt.% SiO_2 (Ꝑmq).*
- Ꝑml — *Dolerite dykes, massive variety with relatively low ~12 wt.% Al_2O_3 (Ꝑml). (Ꝑmd, Ꝑmq, Ꝑml: Tayatea Dyke Swarm).*

CENOZOIC – QUATERNARY – HOLOCENE

- Qha — *Stream alluvium, swamp and marsh deposits (Qha).*

CENOZOIC – NEOGENE-PALAEOGENE

- Tb — *Basalt and minor intercalated sedimentary rocks (Tb); olivine tholeiite (Tbt), transitional olivine basalt (Tbr), hawaiite (Tbh) and nepheline hawaiite (Tbnh) indicated.*

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

PALAEOZOIC – CARBONIFEROUS – PERMIAN – LOWER PARMEENER SUPERGROUP

- Pfp — *Dark grey micaceous siltstone and sandstone (Pfp).*
- Pfc — *Very coarse-grained quartz sandstone to granule- and pebble-conglomerate (Pfc). (Pfp, Pfc: Correlate of Preolenna Coal Measures).*
- Pli — *Interbedded diamictite, pebbly siltstone and laminated musdtone, with minor sandstone and conglomerate (correlate of Inglis Siltstone) (Pli).*

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

NEOPROTEROZOIC – CRYOGENIAN

- Pssc — *Massive to banded black, white and grey chert, cherty breccia and laminated siltstone, derived from dolostone and dolomitic siltstone (Black River Dolomite) (Pssc).* — TOQAIRI GROUP
- Papd — *Oolitic to massive dolostone (Papd).* — PROBABLE CORRELATES OF AHRBERG GROUP
- Pap / Papc — *Phyllite with minor pelitic schist and foliated quartzite (Pap). Siliciclastic cobble-conglomerate, consisting of aligned quartzite clasts in a phyllitic matrix (Papc).*

~~~~~~~~~~~ *Inferred unconformity, probably low angle.*

MESOPROTEROZOIC – STENIAN (TONIAN) – ECTASIAN – ROCKY CAPE GROUP

- Prjp — *Platy, fine-grained orthoquartzite, quartz sandstone and siltstone (correlate of Jacob Quartzite) (Prjp).*
- Prcy — *Strongly cleaved siltstone, phyllitic siltstone and phyllite (Prcy).*
- Prc / Prcs — *Dominantly planar laminated, commonly carbonaceous and pyritic, black, grey or green siltstone (Prc); paler silicified equivalent indicated (Prcs). (Prc, Prcs in part: Cowrie Siltstone).*

CONTACTS

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

FAULTS

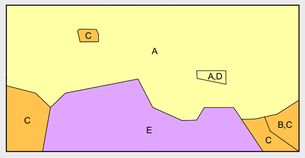
- *Fault.*
- *Fault - inferred.*
- *Fault - inferred from magnetic data.*

LINEARS

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

- *Strike and dip of bedding, right way up; overturned; facing unknown.*
- *Strike and dip of cleavage, type and relative age unspecified - dipping; vertical.*
- *Strike and dip of cleavage, relative local age S_2.*
- *Strike and dip of crenulation cleavage.*
- *Strike and dip of cleavage of unspecified type and relative age, parallel to bedding, facing unknown.*
- *Trend and plunge of minor fold hinge line, unspecified relative age; with dip and dip direction of axial surface indicated; with vertical axial surface.*
- *Trend and plunge of minor fold hinge line, unspecified relative age: antiform; synform.*
- *Trend of horizontal minor fold hinge line, unspecified relative age; with dip of axial surface.*
- *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 minor fold hinge line, unspecified relative age, with dip and dip direction of axial surface; vergence sinistral.*
- *Trend and plunge of chevron-fold hinge line, unspecified relative age, with dip and dip direction of axial surface.*
- *Trend and plunge of kink-fold hinge line, with dip and dip direction of axial surface, and sense of displacement viewed down-plunge: dextral.*
- *Trend and plunge of kink-fold hinge line, with dip and dip direction of axial surface, and sense of displacement viewed down-plunge: sinistral.*
- *Trend and plunge of crenulation lineation.*
- *Strike and dip of schistosity or metamorphic foliation.*
- *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.

Geology by J.L. Everard, B.Sc.(Hons), 2022 from the following sources (see source diagram):

A EVERARD, J.L., SEYMOUR, D.B. and BROWN, A.V. 1996. Geological Atlas 1:50 000 series. Sheet 27 (7915N) Trowutta. Tasmanian Department of Mines.

B J.L. Everard field mapping 1992-1993.

C J.L. Everard field mapping 2017-2020.

D Clementson, I.M. 1985. Rapid River West EL4/1983, NW Tasmania, Relinquishment Report. CRA Exploration Proprietary Limited. TCR 85_2437.

E J.L. Everard. Geophysical interpretation, WTRMP 2001, Mineral Resources Tasmania.

REFERENCE THIS MAP AS:

EVERARD, J.L. 2023. Digital Geological Atlas 1:25 000 Scale Series. Sheet 3443 Beryl. 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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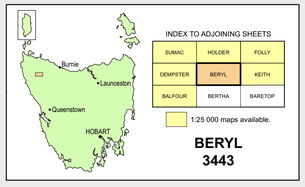
LOCATION DIAGRAM



INDEX TO ADJOINING SHEETS

SUMAC	HOLDER	FOLLY
DEMPSTER	BERYL	KEITH
BALFOUR	BERTHA	BARETOP

1:25 000 maps available.

BERYL
3443

Map generated: 23-OCT-2023

WARNING: INKS ARE LIGHT SENSITIVE.
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