Department of State Growth
MINERAL RESOURCES TASMANIA

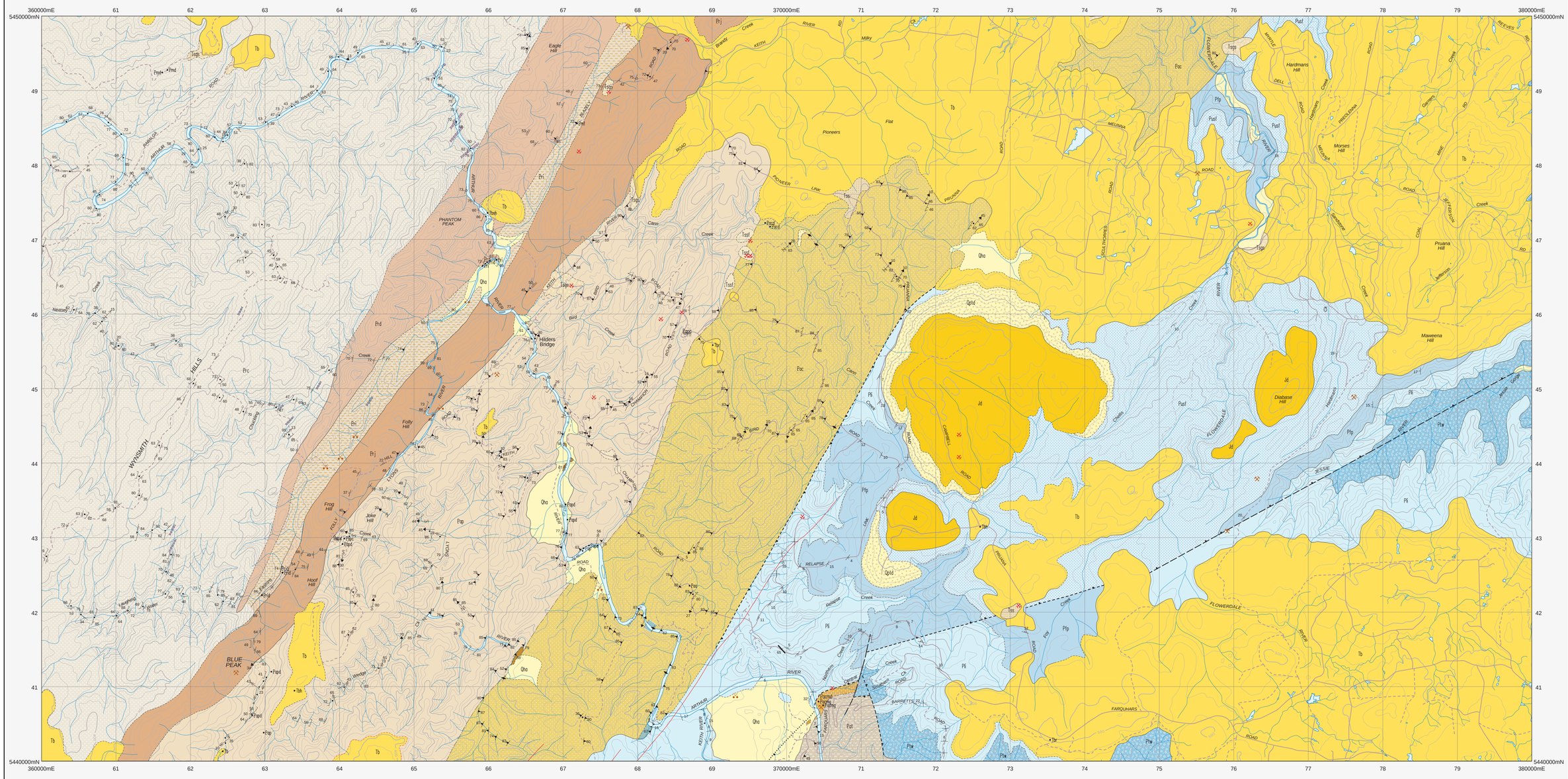
DIGITAL GEOLOGICAL ATLAS 1:25 000 SCALE SERIES
FOLLY, SHEET 3644

FOLLY

Scale: 1:25 000

0 500 1000 1500 2000 2500m

Tasmanian Government



CENOZOIC

QUATERNARY

- **Qha** — Stream alluvium, swamp and marsh deposits (Qha).
- **Qpt / Qptd** — Talus (Qpt). Talus consisting dominantly of dolerite boulders (Qptd).
- ? — Erosional surface.

PALEOGENE–NEOGENE

- **Tb** — Basalt (Tb).
  - **Tss** — Dominantly quartz sand and clay with minor siliceous gravel (Tss).
  - **Tsgs** — Interbedded siliceous gravel, quartz sand and clay (Tsgs).
  - **Tssf** — Deposits of very fine–grained quartz sand and silica flour (Tssf).

Unconformity, usually low–angle.

PALEOZOIC

PERMIAN

- **Pusf** — Fine to coarse–grained sandstone and pebbly sandstone (Pusf) (Flowerdale Sandstone).

Inferred disconformity.

CARBON–PERMIAN?

- **Pfp** — Fresh–water, thin–bedded cross–bedded fine–grained sandstone, siltstone and carbonaceous shale (Pfp) (Preolenna Coal Measures).
- **Pli** — Grey, poorly bedded siltstone, mudstone and fine–grained sandstone, locally micaceous or pyritic. Marine fossils towards the top (Pli) (Inglis Sandstone).
- **Ptw** — Interbedded diamictite (including tillite), pebbly mudstone and laminated mudstone (rhythmite), with minor lithic conglomerate and sandstone (Ptw) (Correlate of the Wynyard Tillite).

Angular unconformity.

LOWER PARMEENER SUPERGROUP — REKINIAN SERIES:
- Lymingtonian Stage
- Bernachian Stage
- Tamarian Stage
- Hellyerian Stage

MESOPROTEROZOIC–NEOPROTEROZOIC

ROCKY CAPE GROUP

- **Prj** — Well–bedded, cross–bedded, mostly medium to coarse–grained orthoquartzite (Prj) (Jacob Quartzite).
- **Pri** — Laminated grey siltstone, mudstone and dolomite (Pri). Mappable units of dolomite (Prid) indicated (Pri, Prid: Irby Siltstone).
- **Prd** — Well–bedded, cross–bedded, mostly fine–grained orthoquartzite and subordinate siltstone (Prd) (Detention Subgroup).
- **Prc** — Interbedded, black, dark grey and green, commonly pyritic, laminated siltstone and mudstone, with rare sandstone and mud pellet conglomerate (Prc) (Cowrie Siltstone).

Transitional metamorphic boundary between Rocky Cape Group and Arthur Metamorphic Complex.

ARTHUR METAMORPHIC COMPLEX

- **Epap** — Phyllite with minor pelitic schist, foliated quartzite and dolomite, and rare conglomerate (Epap); dolomite (Epapd) indicated; rare siliciclastic conglomerate (Epapc) indicated.
  - **Epapd**
  - **Epapc**
- **Epac** — Chloritic schist with minor phyllite, dolomite and magnesite–dolomite (Epac); dolomite and magnesite–dolomite (Epacd) indicated.
  - **Epaa** — Amphibolite (Epaa).
- **Epacmg – Epacmd** — Dolomite and magnesite–dolomite (Epacmd); hematite–limonite–pyrite gossan of Keith River gossan zone (Epacmg) indicated.
- **Epat** — Quartz–mica schist, quartzite, phyllite, and rare dolomite (Epat) (Keith Schist).

IGNEOUS ROCKS

CENOZOIC — PALEOGENE–NEOGENE

- **Tb** — Basalt (Tb); transitional olivine basalt (Tbr) indicated; hawaiite (Tbh) indicated; nepheline hawaiite (Tbnh) indicated.

MESOZOIC — JURASSIC

- **Jd** — Dolerite and related rocks (Jd).

NEO–PROTEROZOIC

- **Pdd / Pdf** — Dolerite dykes (Pdd); foliated variety (Pdf) indicated.

NEOPROTEROZOIC

- **Paa** — Amphibolite (Paa).

Geological boundary – position accurate or approximate.
Geological boundary – inferred.
Transitional geological boundary – position approximate.
Lineament visible in airborne magnetic data
Fault – position accurate or approximate.
Fault – concealed.
Normal fault (downthrown side indicated) – position accurate or approximate.
Normal fault (downthrown side indicated – inferred.
(white line) Limit of mapping of sub–unit within undifferentiated rock unit.

Strike and dip of bedding – right way up; overturned; horizontal.
Strike and dip of bedding, face unknown – dipping; vertical.
Strike and dip of compositional layering.
Strike and dip of cleavage of unspecified type and relative age – dipping; vertical.
Strike and dip of crenulation cleavage – dipping; vertical.
Trend and plunge of minor fold hinge line, unspecified relative age; with dip and dip direction of axial surface; with vertical axial surface.
Trend and plunge of minor fold hinge line, unspecified relative age – vergence dextral; vergence sinistral. Axial surface orientations may be shown as above.
Trend and plunge of minor fold hinge line, relative local age F2; with dip and dip direction of axial surface; with vertical axial surface.
Trend and plunge of minor fold hinge line, relative local age F2 – vergence dextral; symmetrical; vergence sinistral. Axial surface orientations may be shown as above.
Trend of horizontal minor fold hinge line, relatitive age F2; with horizontal axial surface.
Trend and plunge of minor conjugate fold hinge line, relative local age F2; with dip and dip direction of axial surface.
Strike and dip of outcrop–scale fault, type unspecified.
Strike and dip of kink band with sense of displacement viewed down plunge – dextral.
Strike of vertical kink band – dextral; sinistral; movement sense unspecified.
Trend and plunge of crenulation lineation.
Strike and dip of metamorphic foliation – dipping; vertical.
Strike and dip of metamorphic foliation parallel to bedding.
Strike and dip of metamorphic foliation parallel to compositional layering – dipping; vertical.
Notable small outcrop with rock unit indicated.
Notable small float or lag occurrence, with rock unit indicated.
Field station for adjacent readings on the map.
Mineral deposit location – hardrock
Mineral deposit location – alluvial/tailings
Construction material/industrial mineral/gemstone location

Data derived from Mineral Resources Tasmania DEPOSITS database. Data point position has not been verified in every case.

REFERENCE THIS MAP AS:

SEYMOUR, D.B. and EVERARD, J.L. (compilers) 1998. Digital Geological Atlas 1:25 000 Scale Series. Sheet 3644 Folly. Mineral Resources Tasmania.

Base data from the LIST, Copyright State of Tasmania.

Map produced by Spatial Information Services, Mineral Resources Tasmania using G.I.S. software.

Website: www.mrt.tas.gov.au

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

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Compiled by D.B. Seymour, B.Sc.(Hons), Ph.D, and J.L. Everard, B.Sc.(Hons), 1998 from the following sources (see Responsibility Diagram):

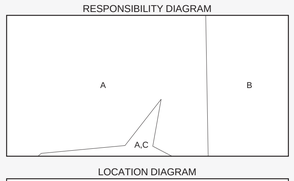
A EVERARD, J.L., SEYMOUR, D.B., BROWN, A.V. and CALVER, C.R. 1996. Geological Atlas 1:50 000 Series. Sheet 27 (7915N), Trowutta. Mineral Resources Tasmania.

B GEE, R.D. GULLINE, A.B. and BRAVO, A.P. 1967. Geological Atlas 1 Mile Series. Sheet 28 (8015N), Burnie. Tasmania Department of Mines.

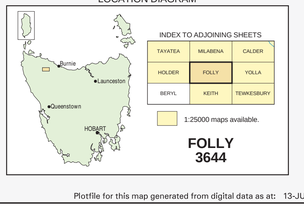
Updated by:

C JACKMAN, C.J. and CUMMING, G.V. 2018 using geophysical data interpretation.

RESPONSIBILITY DIAGRAM



LOCATION DIAGRAM



Plotfile for this map generated from digital data as at: 13-JUN-2018

WARNING: INKS ARE LIGHT SENSITIVE