Department of State Growth
MINERAL RESOURCES TASMANIA

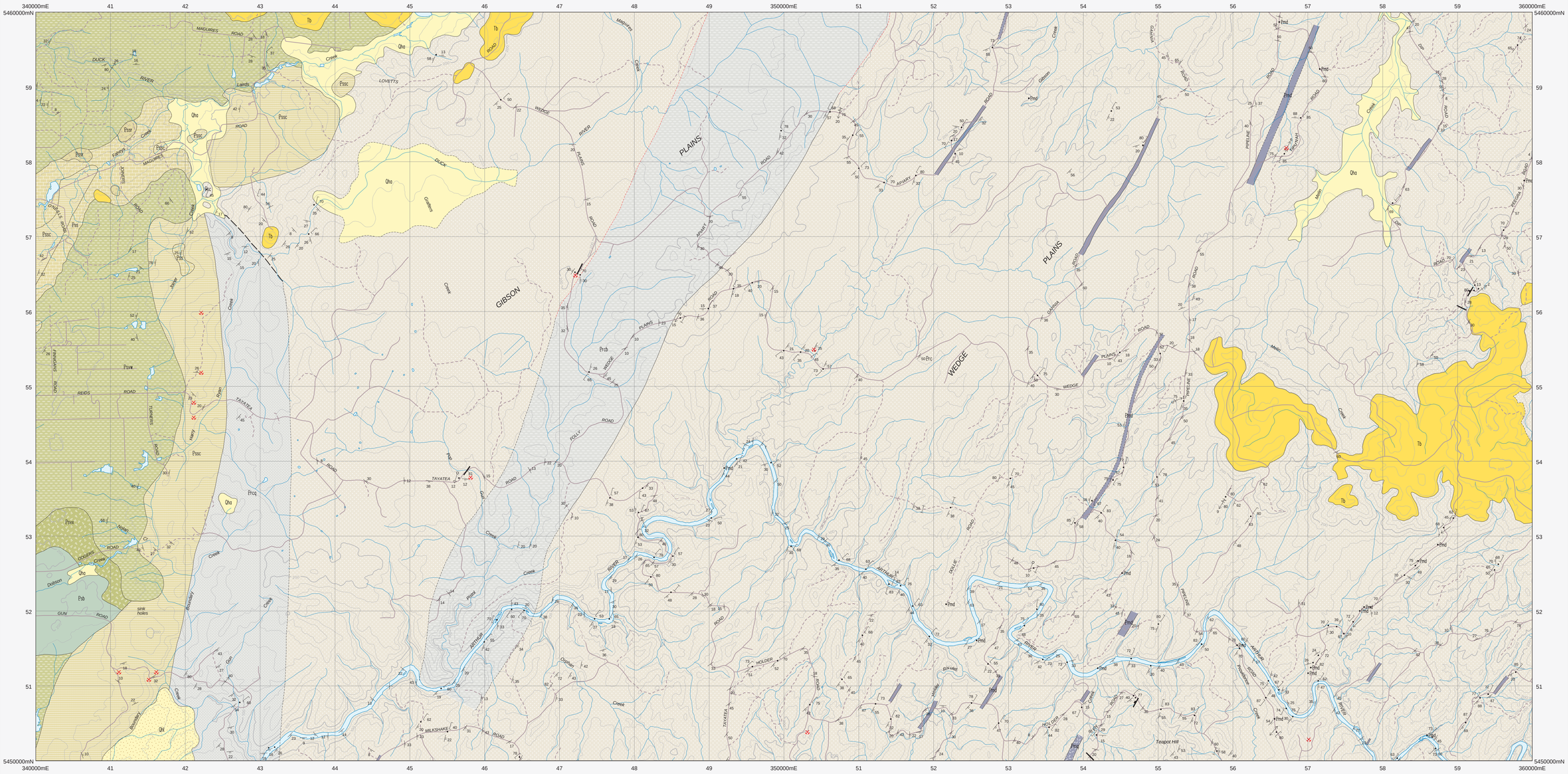
DIGITAL GEOLOGICAL ATLAS 1:25 000 SCALE SERIES
TAYATEA, SHEET 3445

TAYATEA

Scale: 1:25 000

0 500 1000 1500 2000 2500m

Tasmanian Government



CENOZOIC

QUATERNARY

Qha — *Stream alluvium, swamp and marsh deposits (Qha). Alluvium and colluvium – including alluvial deposits of sand, clay–rich sand or gravel; talus and slope–wash deposits; swamp deposits of sand, clay and peat; and deposits rich in chert lag derived without associated soil from underlying Proterzoic dolomite sequences (Qhac).*

Qhl — *Lag of dominantly oolitic and banded chert with associated silt and sand (Qhl).*

Erosional surface.

PALEOGENE – NEOGENE

Tb — *Basalt (Tb).*

Angular unconformity

NEOPROTEROZOIC

CRYOGENIAN

Psb — *Massive basalt (Psb). (Spinks Creek Volcanics).*

Psvw — *Interbedded laminated mudstone, siltstone, and lithic wacke with mafic volcanic detritus. (Keppel Creek Formation) (Psvw).*

Psvx — *Dominantly mixtite (with clasts of basaltic and felsic volcanic rocks, dolomite, chert and mudstone–siltstone in a fine–grained non–dolomitic matrix), with interbedded laminated mudstone, siltstone and calcareous siltstone (Psvx). (Croles Hill Mixtite).*

Pssr — *Dolomitic breccia, with clasts of dolomite, stromatolitic dolomite and oolitic chert in a dolomitic matrix (Pssr). (Julius River Member).*

Pss — *Interbedded dolomite, chert, siltstone and mudstone (Pss). Interbedded massive or banded black, white and grey chert (oolitic in part) and laminated siltstone, with minor dolomite (Pssc).*

Pssc

Erosional and transgressive surface; low angle unconformity at some localities.

Karumnah Sadgroup — Psb, Psvw, Psvx
Black River Dolomite — Pssr, Pss, Pssc
TOGARI GROUP

?MESOPROTEROZOIC

Prcb — *Mappable unit of distinctively colour–banded grey to olive green laminated siltstone in Pistol Creek – Apiary Road area indicated (Prcb). (Cowrie Siltstone).*

Prc — *Interbedded, black, dark grey and green, commonly pyritic, laminated siltstone and mudstone, with rare sandstone and mud pellet conglomerate (Prc). (Cowrie Siltstone).*

Prcq — *Mappable unit of dominantly very fine–grained quartz siltstone in Duck River – Boundary Creek area indicated (Prcq). (Cowrie Siltstone).*

ROCKY CAPE GROUP

IGNEOUS ROCKS

CENOZOIC — PALEOGENE – NEOGENE

Tb — *Basalt (Tb).*

NEOPROTEROZOIC

Pmd — *Dolerite dykes (Pmd). Massive, relatively felsic variety with ~ 58 wt.% SiO2 (Pmq) indicated.*

Geological boundary – position approximate.

Geological boundary – inferred.

Fault – position approximate.

(White line) *Limit of mapping of sub–unit within undifferentiated rock unit.*

Strike and dip of bedding, facing known – right way up; overturned; facing unknown.

Horizontal bedding.

Strike and dip of cleavage, type and relative age unspecified – 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; symmetrical; sinistral. Axial surface orientation may be shown as above.

Trend of horizontal minor fold hinge line, unspecified relative age.

Trend and plunge of bedding/ primary cleavage intersection lineation.

Strike and dip of outcrop–scale fault, type unspecified – dipping; vertical.

Strike of outcrop–scale fault, downthrown side indicated.

Strike and dip of outcrop–scale thrust fault.

Field station for adjacent readings on the map.

Notable small outcrop with rock unit indicated.

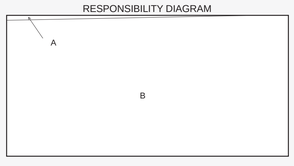
Construction material/industrial mineral/gemstone location – *Data derived from Mineral Resources Tasmania DEPOSITS data base. Data point position has not been verified in every case.*

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 LENNOX, P.G., CORBETT, K.D., BAILLIE, P.W., CORBETT, E.B. and BROWN, A.V. 1982. Geological Atlas 1:50 000 Series. Sheet 21 (7916S). Smithton. Tasmania Department of Mines.

B 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.

RESPONSIBILITY DIAGRAM



REFERENCE THIS MAP AS:

SEYMOUR, D.B. and EVERARD, J.L. (compilers) 1998. Digital Geological Atlas 1:25 000 Scale Series. Sheet 3445 Tayatea. 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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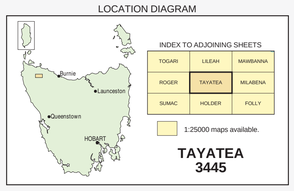
LOCATION DIAGRAM



Plotfile for this map generated from digital data as at: 28-FEB-2017

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