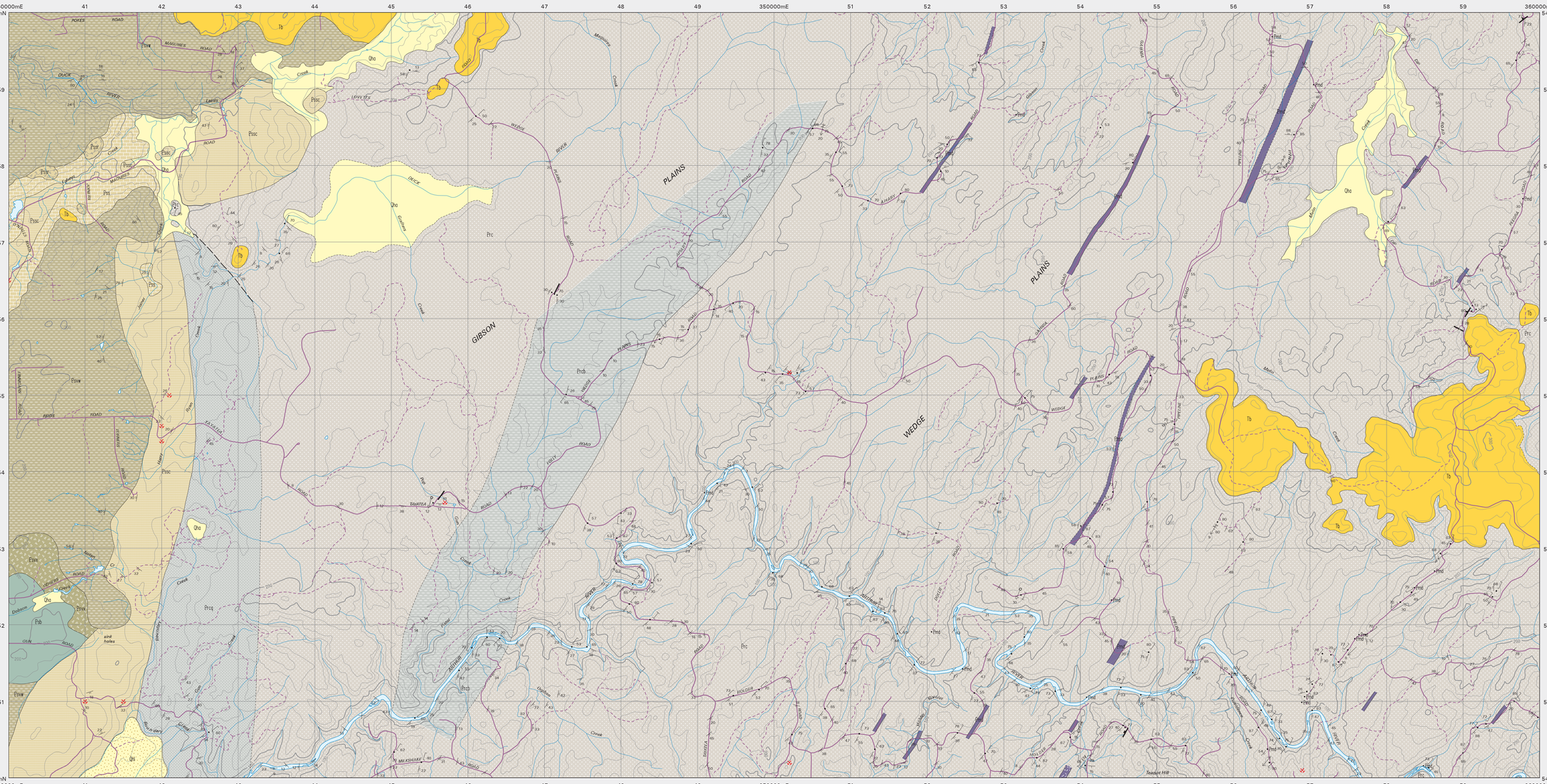
TASMANIAN GEOLOGICAL SURVEY
DIGITAL GEOLOGICAL ATLAS 1:25 000 SERIES
TAYATEA, SHEET 3445

TAYATEA

Scale: 1:25 000

0 500 1000 1500 2000 2500m

MINERAL RESOURCES TASMANIA
Tasmania
DEPARTMENT of INFRASTRUCTURE ENERGY and RESOURCES



CAINOZOIC

QUATERNARY

- **Qha** — Stream alluvium, swamp and marsh deposits (Qha).
- **Qhl** — Lag of dominantly oolitic and banded chert with associated silt and sand (Qhl).
- Erosional surface.

TERTIARY

- **Tb** — Basalt (Tb).
- ~~~~~~~~~ Angular unconformity

PRECAMBRIAN

NEOPROTEROZOIC

- **Psb** — Massive basalt (Psb). (Spinks Creek Volcanics).
- **Psvw, Psvx, Psvr** — Interbedded laminated mudstone, siltstone, and lithic wacke with mafic volcanic detritus. (Keppel Creek Formation) (Psvw).
  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).
- **Psdr, Psbr** — Dolomitic breccia, with clasts of dolomite, stromatolitic dolomite and oolitic chert in a dolomitic matrix (Psbr). (Julius River Member).
- **Pss, Pssc** — 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).

Kanunnah Subgroup; Black River Dolomite; Togari Group

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

?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

TERTIARY

- **Tb** — Basalt (Tb).

PROTEROZOIC

- **Pmd, Pmq** — Dolerite dykes (Pmd). Massive, relatively felsic variety with ~ 58 wt.% SiO_2 (Pmq) indicated.

- Geological boundary – position approximate.
- Geological boundary – inferred.
- Fault – position approximate.
- (White line) Limit of mapping of sub–unit within undifferentiated rock unit.
- Notable small outcrop or float / lag occurrence

- 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.
- Mineral deposit location – hardrock; Mineral deposit location – alluvial — Data derived from Mineral Resources Tasmania MRLOCH data base. Datapoint position has not been verified in every case.
- Construction materials location – Data derived from Mineral Resources Tasmania CONMAT data base. Datapoint position has not been verified in every case.

Geology based on -

Geological atlas 1:50,000 series. sheet 21 (7916S) Smithton 1962, Tasmania Department of Mines.

Geological atlas 1:50,000 series. sheet 27 (7915N) Trowutta 1996, Mineral Resources Tasmania.

Compiled by D.B. Seymour, B.Sc.(Hons), Ph.D., J.L. Everard, B.Sc.(Hons).

Digital base information from Information and Land Services Division, Department of Primary Industries, Water and Environment.

Map produced by the Data Management Branch of Mineral Resources Tasmania using G.I.S. software. AGD66 - AMG Zone 55. Contour Interval: 20 metres.

RESPONSIBILITY DIAGRAM

Smithton, Geological Atlas 1:50,000 series, Sheet 21 (7916S) 1962.

Trowutta, Geological Atlas 1:50,000 series, Sheet 27 (7915N) 1996.

LOCATION DIAGRAM

ADJOINING SHEETS

TODAHI	LIREAH	MAWBANNA
BOGER	TAYATEA	MILAENA
BURNIE	HOLDEN	FOLLY

1:25000 maps available.

TAYATEA 3445

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