Department of Infrastructure Energy and Resources
MINERAL RESOURCES TASMANIA

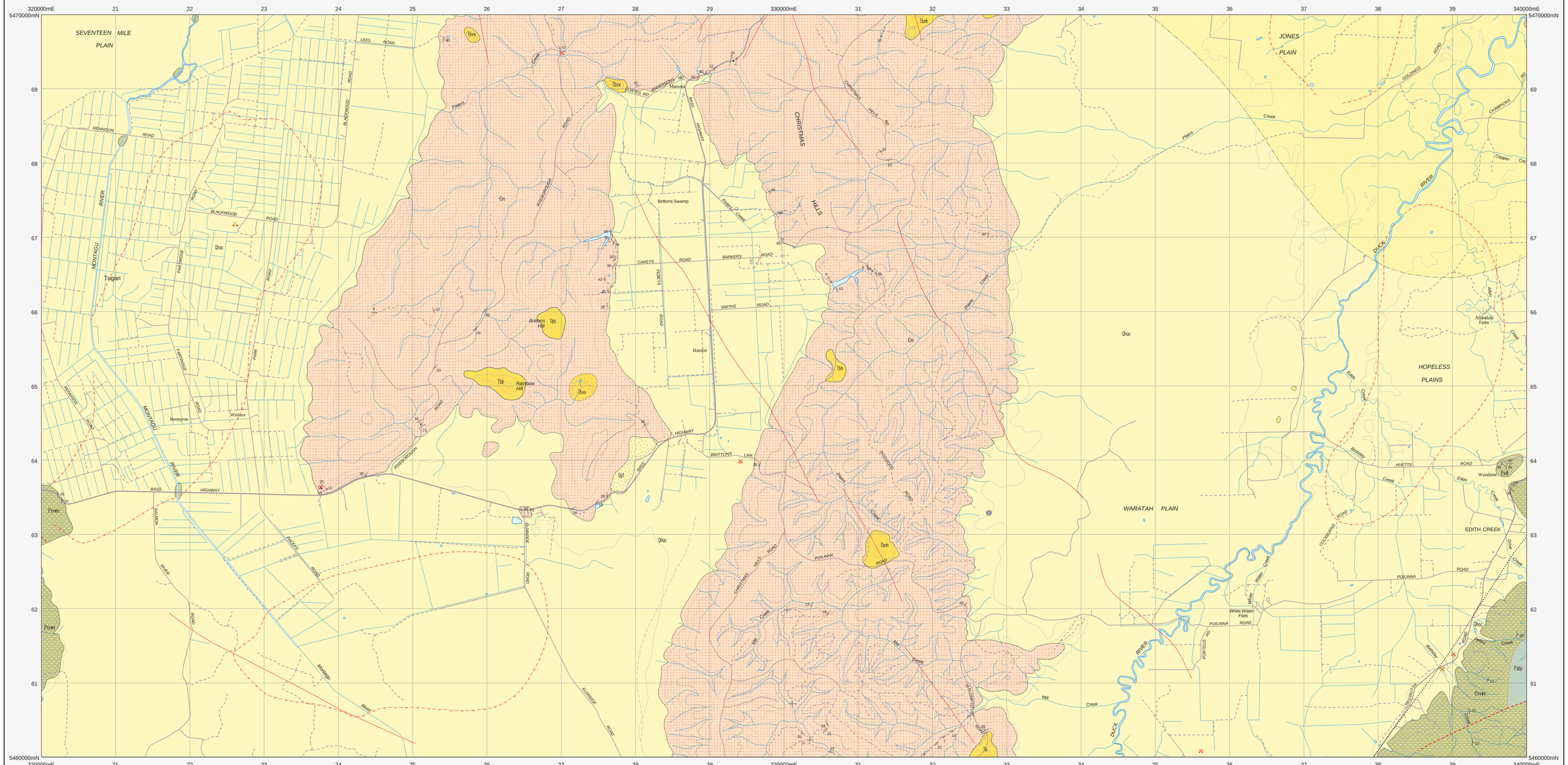
DIGITAL GEOLOGICAL ATLAS 1:25 000 SCALE SERIES
TOGARI, SHEET 3246

TOGARI

Scale: 1:25 000

0 500 1000 1500 2000 2500m

Tasmania
Explore the possibilities



STRATIGRAPHIC UNITS

CENOZOIC

QUATERNARY – HOLOCENE

- **Qhoc** — 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 with associated soil from underlying Proterzoic dolomite sequences (Qhoc).
- **Qhsc** — Calcareous spring mound deposits (Qhsc).
- **Qpt** — Talus (Qpt).

QUATERNARY – PLEISTOCENE

- **Qpsa** — Older stabilised aeolian sand of predominantly coastal plain, with underlying marine sands in places; may show relict landforms including terraces, lunettes, linear or barchan dunes, and beach ridges related to regressive strandlines of Last Interglacial Stage (Qpsa).

Erosional Surface.

PALEOGENE – NEOGENE

- **Tb** — Basalt (Tb); basanite (Tbb); hawaiite (Tbh); nepheline hawaiite (Tbnh).
- **Tbvx** — Basaltic ?vent breccia and agglomerate, crudely stratified in part and containing angular blocks of subjacent basement rocks (e.g., Scopus Formation, Smithton Dolomite) and, at some localities, abraded xenocrysts of mantle–derived hornblende (potassian kaersutite), (Tbvx).

Angular unconformity.

PALEOZOIC

CAMBRIAN – CAMBRIAN SERIES 3 – FEROCIAN

- **Cm** — Reddish–brown weathering, interbedded lithic wacke, litharenite, lithic conglomerate and laminated siltstone/mudstone, generally well bedded and commonly in thick fining–upward cycles, turbiditic in part; contains marine fossils of Cambrian Series 3 age at 331 310mE 5 468 080, and of Furongian age at 333 610mE 5 480 780mN north of this mapsheet (Cm). (Scopus Formation).

Inferred disconformity.

NEOPROTEROZOIC

TOGARI GROUP

- **Psdl** — Well bedded to massive, shallow marine dolomite and dolomitic limestone, of subtidal to ?supratidal facies, and cherty silicified equivalents in some localities (Csd). (Correlate of Smithton Dolomite).
- **Psvwx** — Interbedded lithic wacke (massive to well bedded, turbiditic and/or matic volcaniclastic in part), laminated siltstone/mudstone, and minor polymict lithic conglomerate; includes some occurrences of coarse breccia or mixtite with clasts of mafic volcanic rocks (Psvwx). (Correlate of Keppel Creek Formation, may include some equivalents of Crotes Hill Mixtite).
- **Psbp** — Massive and amygdaloidal, dominantly tholeiitic basalt, commonly with pillows (Psbp). (Correlate of Spinks Creek Volcanics).

IGNEOUS ROCKS

NEOPROT – CENOZOIC

PALEOGENE – NEOGENE

- **Tb** — Basalt lava (Tb); basanite (Tbb); hawaiite (Tbh); nepheline hawaiite (Tbnh).

NEOPROTEROZOIC

- **Pmd** — Dolerite dyke (Pmd).
- **Psbp** — Massive and amygdaloidal, dominantly tholeiitic basalt, commonly with pillows (Psbp). (Correlate of Spinks Creek Volcanics).

Geological boundary – position accurate or approximate.

Geological boundary – inferred.

Geological boundary – transitional. Position of this boundary between units Qhoc and Qpsa is very approximate and indicative only.

Geological boundary, unspecified type, inferred from airborne magnetic data.

Lineament visible in airborne magnetic data.

Magnetic gradient – direction towards lower values indicated.

Fault, unspecified type, concealed.

Fault, unspecified type, inferred from airborne magnetic data.

Strike and dip of bedding – facing known; overturned; facing unknown; horizontal, facing unspecified.

Strike and dip of cleavage, type and relative age unspecified – dipping, vertical.

Trend and plunge of hingeline of minor fold, relative age unspecified; horizontal; with vertical axial surface; with dextral vergence.

Mineral deposit location – hardrock

Mineral deposit location – alluvial/tailings

Construction material/industrial mineral/gemstone location

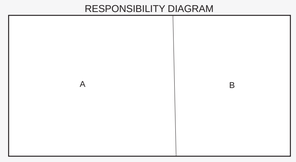
Data derived from Mineral Resources Tasmania DEPOSITS data base. Data point position has not been verified in every case.

Compiled by D.B. Seymour, B.Sc.(Hons), PhD., 2001 from the following sources (see responsibility diagram):

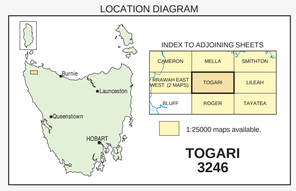
A SEYMOUR, D.B. and Baillie, P.W. 1992: Geological Atlas 1:50 000 Series. Sheet 7816S, Woolnorth. Department of Mines Tasmania. With modifications and additions based on new interpretation of airborne magnetic and radiometric data.

B LENNOX, P.G., CORBETT, K.D., BAILLIE, P.W., CORBETT, E.B., BROWN, A.V. 1982: Geological Atlas 1:50 000 Series. Sheet 21 (7916S) Smithton. Department of Mines Tasmania. With modifications and additions based on interpretation of airborne magnetic and radiometric data collected under the Western Tasmanian Regional Minerals Program 2001.

RESPONSIBILITY DIAGRAM



LOCATION DIAGRAM



REFERENCE THIS MAP AS:

SEYMOUR, D.B. (compiler) 2001. Digital Geological Atlas 1:25 000 Scale Series, Sheet 3246. Togari. Mineral Resources Tasmania.

Base data from the LIST, Copyright State of Tasmania.

Map produced by the Geoscience Information Branch of Mineral Resources Tasmania using G.I.S. software.

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

Plotfile for this map generated from digital data as at: 10-AUG-2011

WARNING: INKS ARE LIGHT SENSITIVE