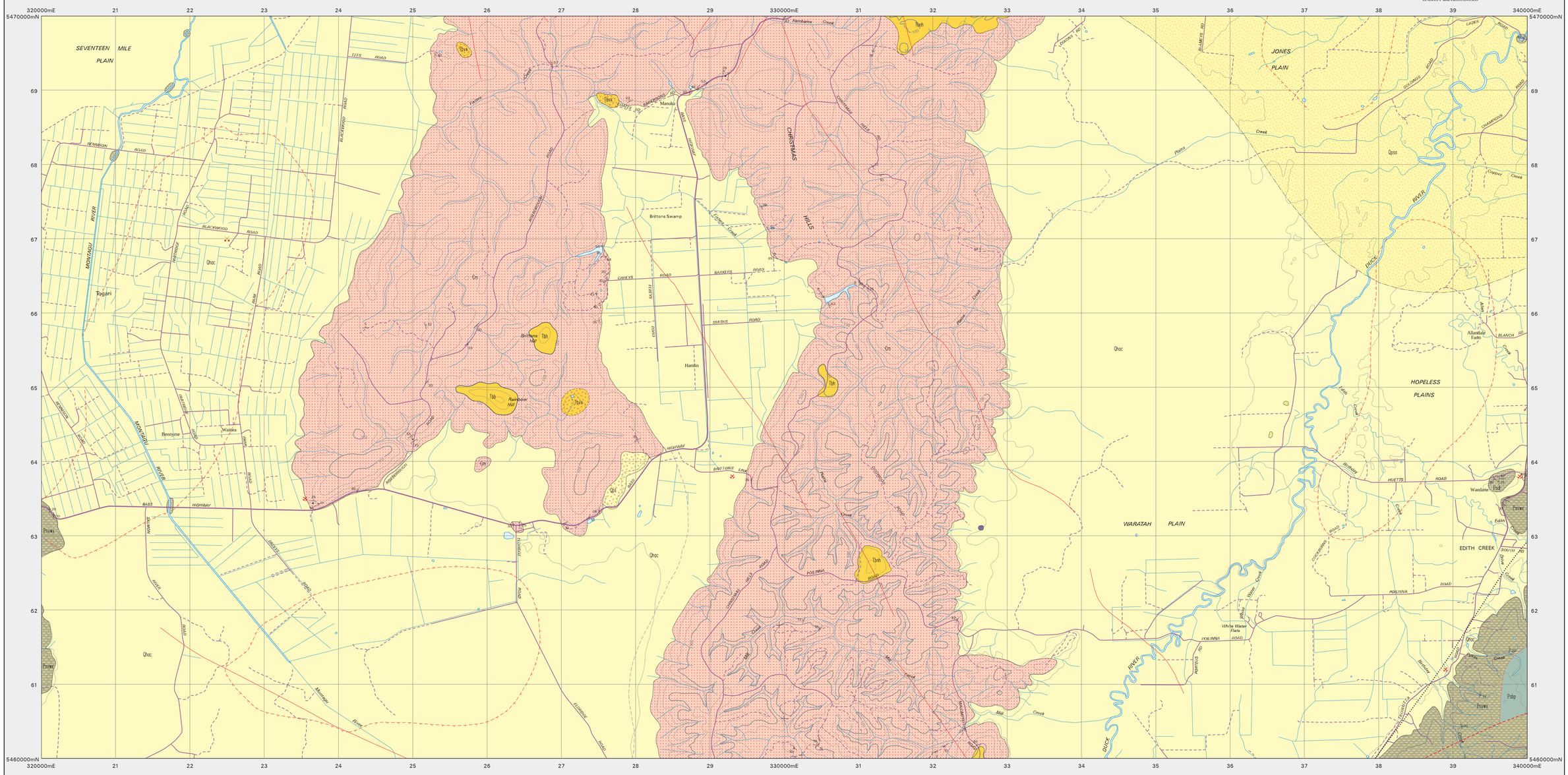
TASMANIAN GEOLOGICAL SURVEY
DIGITAL GEOLOGICAL ATLAS 1:25 000 SERIES
TOGARI, SHEET 3246

TOGARI

Scale: 1:25 000

0 500 1000 1500 2000 2500m

MINERAL RESOURCES TASMANIA
Tasmania
DEPARTMENT of INFRASTRUCTURE ENERGY and RESOURCES



CAINOZOIC

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 Proterozoic dolomite sequences. (Qhoc).*

Qhsc — *Calcareous spring mound deposits (Qhsc).*

Qpt — *Talus (Qpt).*

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.

TERTIARY

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.

PALAEOZOIC

LATE MIDDLE CAMBRIAN – EARLY LATE CAMBRIAN

Cm — *Reddish–brown weathering, interbedded lithic wacke, litharenite, lithic conglomerate and laminated siltstone/mudstone, generally well bedded and commonly in thick fining–upward cycles, turbidite in part; contains marine fossils of late Middle Cambrian age at 331,200mE 5,467,900mN, and of early Late Cambrian age at 333,500mE 5,480,600mN north of this mapsheet (Cm). (Scopus Formation).*

Inferred disconformity.

NEOPROTEROZOIC

TOGARI GROUP

Pzdl — *Well bedded to massive, shallow marine dolomite and dolomitic limestone, of subtidal to ?supratidal facies, and cherty silicified equivalents in some localities (Csdl). (Correlate of Smithton Dolomite).*

Pzvwx — *Interbedded lithic wacke (massive to well bedded, turbiditic and/or mafic 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 (Pzvwx). (Correlate of Keppel Creek Formation, may include some equivalents of Croles Hill Mixtite).*

Pzbp — *Massive and amygdaloidal, dominantly tholeiitic basalt, commonly with pillows (Pzbp). (Correlate of Spinks Creek Volcanics).*

IGNEOUS ROCKS

TERTIARY

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

NEOPROTEROZOIC

Pmd — *Dolerite dyke (Pmd).*

Pzbp — *Massive and amygdaloidal, dominantly tholeiitic basalt, commonly with pillows (Pzbp). (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 visable 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 } *Data derived from Mineral Resources Tasmania MRLOCH data base. Datapoint position has not been verified in every case.*

Mineral deposit location – alluvial

Construction materials location – *Data derived from Mineral Resources Tasmania COMMAT data base. Datapoint position has not been verified in every case.*

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Compiled by D.B. Seymour, B.Sc.(Hons), PhD., from the following sources (see Responsibility Diagram):

A Seymour, D.B.; 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. 1992: 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.

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

(A)	(B)

LOCATION DIAGRAM

ADJOINING SHEETS

CAMERON	MELLA	SMITHTON
ADVENTURE EAST (WEST 12 NM/N)	TOGARI	LILEAH
BLUFF	ROOKER	TARATA

1:25000 maps available.

TOGARI
3246

Data correct & plotfile generated: 12-MAY-2004

WARNING: INKS ARE LIGHT SENSITIVE