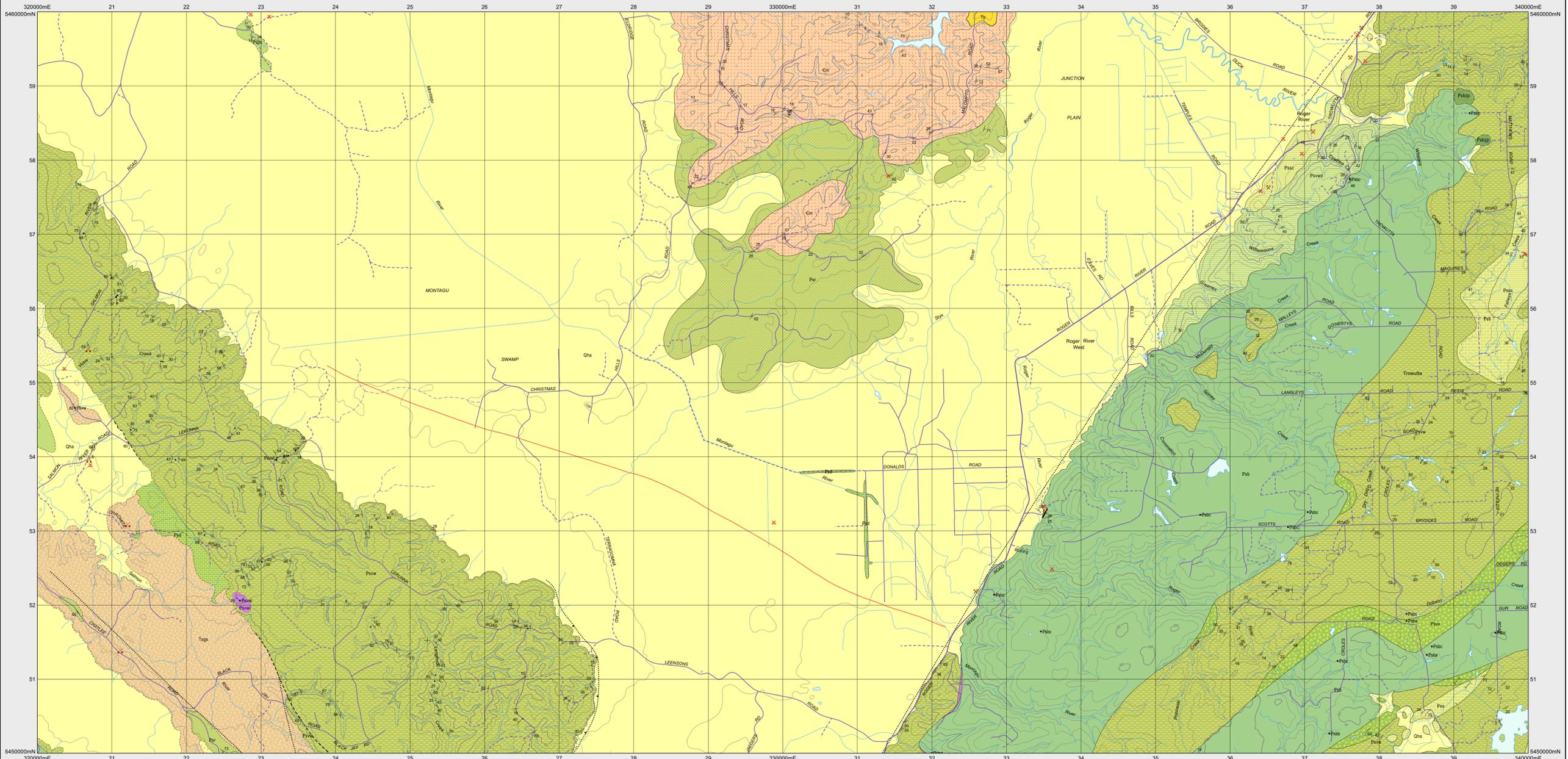


ROGER

Scale 1:25 000



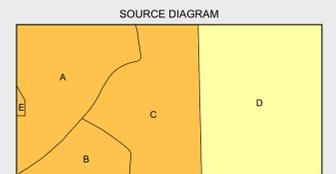
CENOZOIC	QUATERNARY	
	HOLOCENE	PLEISTOCENE
	Qha	Alluvium and swamp deposits (Qha).
	Qpt	Talus (Qpt).
	Qpto	Older aeolian sand and minor clay, peat and gravel (Qpto).
		Erosional surface.
	Tb	Basalt (Tb).
	Tsgs	Interbedded siliceous gravel, quartz sand and clay (Tsgs).
		Angular unconformity
	Cm	Reddish-brown weathering, interbedded laminated siltstone, lithicwacke and conglomerate. (Scopus Formation) (Cm).
		Inferred disconformity

NEOPROTEROZOIC	BLACK RIVER DOLOMITE	
	MAUNINAH SUBGROUP	TODDARI GROUP
	Par	Pale weathering, thin bedded, laminated quartz siltstone with subordinate interbedded feldite shale. Commonly silicified. (Salmon River Siltstone) (Par).
	Psad	Shallow marine dolomite and minor limestone (Psad). Areas of silicification and/or clayey pug indicated (Psad). (Psad: Psad: Smithton Dolomite).
	Psaw	Interbedded laminated mudstone, siltstone, and lithicwacke with mafic volcanic detritus (Psaw). Small outcrop of impure limestone at CQ231538 (Psaw). Hematitic ironstone indicated (Psaw). Interbedded dolomite, siltstone and laminated dolomite, locally occurring at base of the formation (Psaw).
	Psav	(Psav, Psav, Psav, Psav: Koppal Creek Formation).
	Psb	Massive basalt (Psb). (Spinks Creek Volcanics).
	Psbz	Dominantly mixite (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 (Evva) (Croles Hill Mixite).
	Psc	Interbedded dolomite chert, siltstone and mudstone (Psc). Interbedded massive or banded, black, white and grey chert (oolitic in part) and laminated siltstone, with minor dolomite (Psc).
		Erosional and transpressive surface; low angle unconformity at some localities.

IGNEOUS ROCKS	
Tb	Basalt (Tb).
Psb	(Psb). Varieties with ~ 0.6 - 0.7 wt% TiO ₂ (Psb), 1.0 - 1.4 wt% TiO ₂ (Psb) 1.5 - 1.8 wt% TiO ₂ (Psb), 2.2 - 2.4 wt% TiO ₂ (Psb) indicated. (Psb, Psba, etc Spinks Creek Volcanics).
Psbz	Dolomite intrusives of picritic composition indicated (Psbz).

CONTACTS	
—	Geological contact
- - -	Geological contact - inferred
· · · · ·	Geological contact - inferred from magnetic data
· · · · ·	Geological contact - inferred from radiometric data
—	Unconformable lithological contact
—	Igneous intrusive contact
—	Limit of mapping of sub-unit within undifferentiated rock unit
—	Limit of detailed mapping
FAULTS	
—	Fault
- - -	Fault - inferred
· · · · ·	Fault - concealed
· · · · ·	Thrust fault (teeth on upper plate) - concealed
LINEARS	
—	Lineament - visible in magnetic data

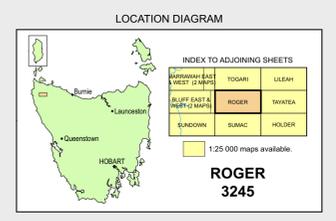
↗ ↘	Strike and dip of bedding, facing known - right way up; overturned.
↗ ↘	Strike and dip of bedding, facing unknown - dipping; vertical.
—	Horizontal bedding.
↗ ↘	Strike and dip of cleavage, type and relative age unspecified - dipping; vertical.
↗ ↘	Strike and dip of cleavage, relative local age S ₁ ; S ₂
↗ ↘	Trend and plunges of minor fold hinge line, unspecified relative age, with vertical axial surface.
↗ ↘	Generalised paleocurrent direction, showing sense of movement.
↗ ↘	Strike and dip of outcrop-scale fault of unspecified relative age, type unspecified.
·	Field station for adjacent readings on the map.
·	Notable small outcrop with rock unit indicated.
·	Mineral deposit location - hardrock.
·	Mineral deposit location - alluvial/alluvial.
·	Construction material/industrial mineral/gemstone location.



Symbol	Description
Orange box	Highly detailed (eg. more detailed than 1:25 000 scale mapping).
Light orange box	Detailed systematic (eg. 1:25 000 map or equivalent detail).
Yellow box	Regional systematic (eg. 1:50 000, 1:63 360 map or equivalent detail).
Light green box	Regional mapping less detailed than 1:63 360 map or equivalent (all other scales).
Blue box	Reconnaissance mapping with sparse ground traverses.
Purple box	Remote sensing and/or geophysical interpretation with limited or no ground information.

Geology by M.P. McClenaghan, B.Sc.(Hons), Ph.D., D.B. Seymour, B.Sc.(Hons), Ph.D., D.C. Green, B.Sc.(Hons), Ph.D. and A.V. Brown, B.Sc.(Hons), Ph.D., 1997 from the following sources (see source diagram):
A. D.C. Green 1995-1996. 1:25 000 scale mapping.
B. D.B. Seymour 1995-1996. 1:25 000 scale mapping.
C. M.P. McClenaghan 1995-1996. 1:25 000 scale mapping.
D. EVERARD, J.L., SEYMOUR, D.B., BROWN, A.V. 1996. Geological atlas 1:50 000 series. Sheet 27 (7915N) Trowutta. Mineral Resources Tasmania.
E. J.L. Everard 2013. 1:25 000 scale mapping.

REFERENCE THIS MAP AS:
MCCLENAGHAN, M.P., SEYMOUR, D.B., GREEN D.C. and BROWN A.V. (compilers) 2015. Digital Geological Atlas 1:25 000 Scale Series. Sheet 3245 Roger. Mineral Resources Tasmania.
Base data from the LIST, Copyright State of Tasmania.
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Website: www.mrt.tas.gov.au
GDSM - MGA Zone 55. Contour Interval: 20 metres.



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