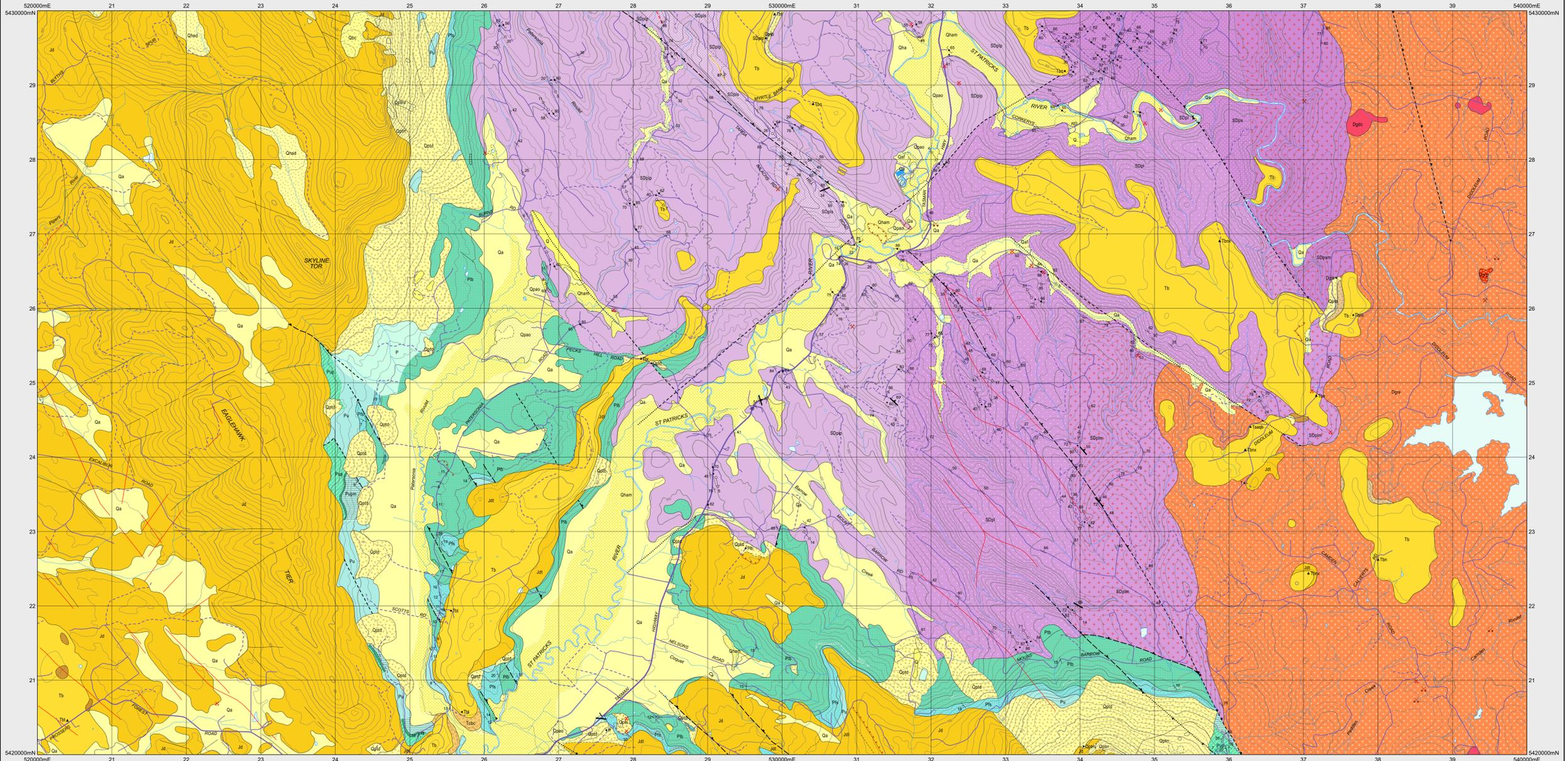


# PATERSONIA

Scale 1:25 000



QUATERNARY	CENOZOIC	PALEOGENE - NEOGENE
Qhad	Qhad	Qhad
Qha	Qha	Qha
Qhan	Qhan	Qhan
Qsa	Qsa	Qsa
Qpas	Qpas	Qpas
Qptr	Qptr	Qptr
Qptrv	Qptrv	Qptrv
Qbc	Qbc	Qbc
Qpt	Qpt	Qpt
Qptv	Qptv	Qptv
Qptm	Qptm	Qptm
Jdt	Jdt	Jdt
Tt	Tt	Tt
Tth	Tth	Tth
Tb	Tb	Tb
Tsp	Tsp	Tsp
Tsqb	Tsqb	Tsqb
Tcqb	Tcqb	Tcqb
Tqb	Tqb	Tqb

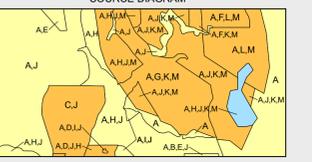
PALEOZOIC	PERMIAN	LOWER PALEOZOIC SUBGROUPS
Pu	Pu	Pu
Pup	Pup	Pup
Pupm	Pupm	Pupm
Pp	Pp	Pp
Pps	Pps	Pps
Ppb	Ppb	Ppb
Ppl	Ppl	Ppl
Pplm	Pplm	Pplm
Pp	Pp	Pp
SDps	SDps	SDps
SDpsm	SDpsm	SDpsm
SDpsm	SDpsm	SDpsm
SDpt	SDpt	SDpt
SDps	SDps	SDps

MEZOZOIC	TRIASSIC - JURASSIC	NEOGENE
Tb	Tb	Tb
Tsp	Tsp	Tsp
Jdt	Jdt	Jdt

PALEOZOIC	DEVONIAN	MIDDLE DEVONIAN
Dgds	Dgds	Dgds
Dgpr	Dgpr	Dgpr
Dgpr	Dgpr	Dgpr

CONTACTS	FAULTS	LINEARS
Geological contact	Fault - inferred	Scarp
Geological contact - inferred	Fault - concealed	Slope break
Transitional geological contact	Fault - inferred from magnetic data	Lineament - visible on aerial photographs
Unconformable lithological contact	Normal fault (downthrown side indicated)	Lineament - visible in magnetic data
Metamorphic contact	Normal fault (downthrown side indicated) - inferred	
Limit of mapping of sub-unit within undifferentiated rock unit	Normal fault (downthrown side indicated) - concealed	
	Normal fault (upthrown side indicated)	
	Normal fault (upthrown side indicated) - inferred	
	Normal fault (upthrown side indicated) - concealed	
	Thrust fault (teeth on upper plate)	
	Thrust fault (teeth on upper plate) - inferred	
	Thrust fault (teeth on upper plate) - concealed	

Strike and dip of bedding - right way up; overturned; facing unknown
Strike and dip of penetrative cleavage; vertical
Trend and plunge of bedding - primary cleavage intersection lineation (L-L)
Trend and plunge of hinge line of minor antiform, unspecified relative age
Trend of horizontal hinge line of minor antiform, unspecified relative age
Trend and plunge of hinge line of minor synform, unspecified relative age
Trend and plunge of minor fold hinge line, unspecified relative age, vergence detail
Strike and dip of outcrop-scale fault of unspecified relative age - type unspecified; thrust
Strike of outcrop-scale fault of unspecified type and relative age
Trend and plunge of slickensides, HW relative movement up/plunge
Glacial strike, showing sense of movement
Field station for adjacent readings on the map
Notable small outcrop with rock unit indicated
Notable small float or lag occurrence with rock unit indicated
Mineral deposit location - hardrock
Mineral deposit location - alluvial/alluvial
Construction material/industrial mineral/gemstone location



- Highly detailed (eg. more detailed than 1:25 000 scale mapping)
- Detailed systematic (eg. 1:25 000 map or equivalent detail)
- Regional systematic (eg. 1:50 000, 1:63 360 map or equivalent detail)
- Regional mapping less detailed than 1:63 360 map or equivalent (all other scales)
- Reconnaissance mapping with sparse ground traverses
- Remote sensing and/or geophysical interpretation with limited or no ground information

Compiled by S.M. Forsyth, B.Sc.(Hons) and D.B. Seymour, B.Sc.(Hons), Ph.D., 2006 from the following sources (see source diagram):

- LONGMAN, M.J., MATTHEWS, W.L. and ROWE, S.M. 1964. Geological Atlas 1:63 360 Series, Sheet 20 (83155). Leveque, Tasmania Department of Mines with additional information from LONGMAN, M.J. 1966. Geological Atlas 1:63 360 Series, Zone 7 Sheet 39 (83153). Leveque, Tasmania Department of Geology Survey Tasmania and original 1:36 680 compilation sheets and associated air photos.
- CANE, T.N. 1963. The Mountains of Northeast Tasmania. Balkema, Rotterdam.
- MATTHEWS, W.L. 1971. Patersonia dam site. Technical Report, Tasmania Department of Mines, 14 pp.100, Plans 327 and 328.
- MATTHEWS, W.L. 1970. Geology around dam site Nunamara. Plan 3336. In MATTHEWS, W.L. 1972. Geology around dam site Nunamara. Technical Report, Tasmania Department of Mines, 15 pp.71.
- Rock score polygons derived from Tasmania 1:25 000 Series Sheet 5242 Edition 1 Patersonia and Sheet 5243 Lisle.
- D.B. Seymour. Original mapping 2005.
- D.B. Seymour. Original mapping 2006.
- S.M. Forsyth. Geological observations along public roads 2006.
- S.M. Forsyth. Geological observations along private, limited access, unsealed roads, and unroadable roads and vehicular tracks 2006.
- S.M. Forsyth. Aerial photo interpretation 2006.

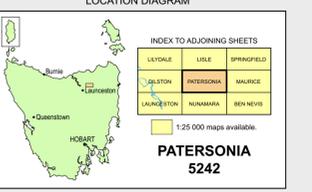
Updated by:

- Woolward 2008-2009. Stratigraphic revision and re-mapping of Mathinna Supergroup, and minor adjustment of Permian and Palaeogene-Neogene boundaries, supported by interpretation of airborne geophysical data, as part of the TasExplore Project, Mineral Resources Tasmania.
- M.P. McLennaghan 2008-2009. Stratigraphic revision and re-mapping of Mathinna Supergroup, and minor adjustment of Palaeogene-Neogene boundaries, supported by interpretation of airborne geophysical data, as part of the TasExplore Project, Mineral Resources Tasmania.
- SEYMOUR, D.B.; WOOLWARD, I.R.; MCLENNAGHAN, M.P.; BOTTRILL, R.S. 2011. Stratigraphic revision and re-mapping of the Mathinna Supergroup between the River Tamar and the Scottsdale Batholith, northeast Tasmania, 1:25 000 Scale Digital Geological Map Series. Explanatory Report 4.

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Website: www.mrt.tas.gov.au  
GD494 - MGA Zone 55. Contour Interval: 20 metres.

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JULISTON INTERSERRA MAURICE  
LAKEBOSTON NUNAMARA BEN NEVIS  
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**PATERSONIA**  
**5242**