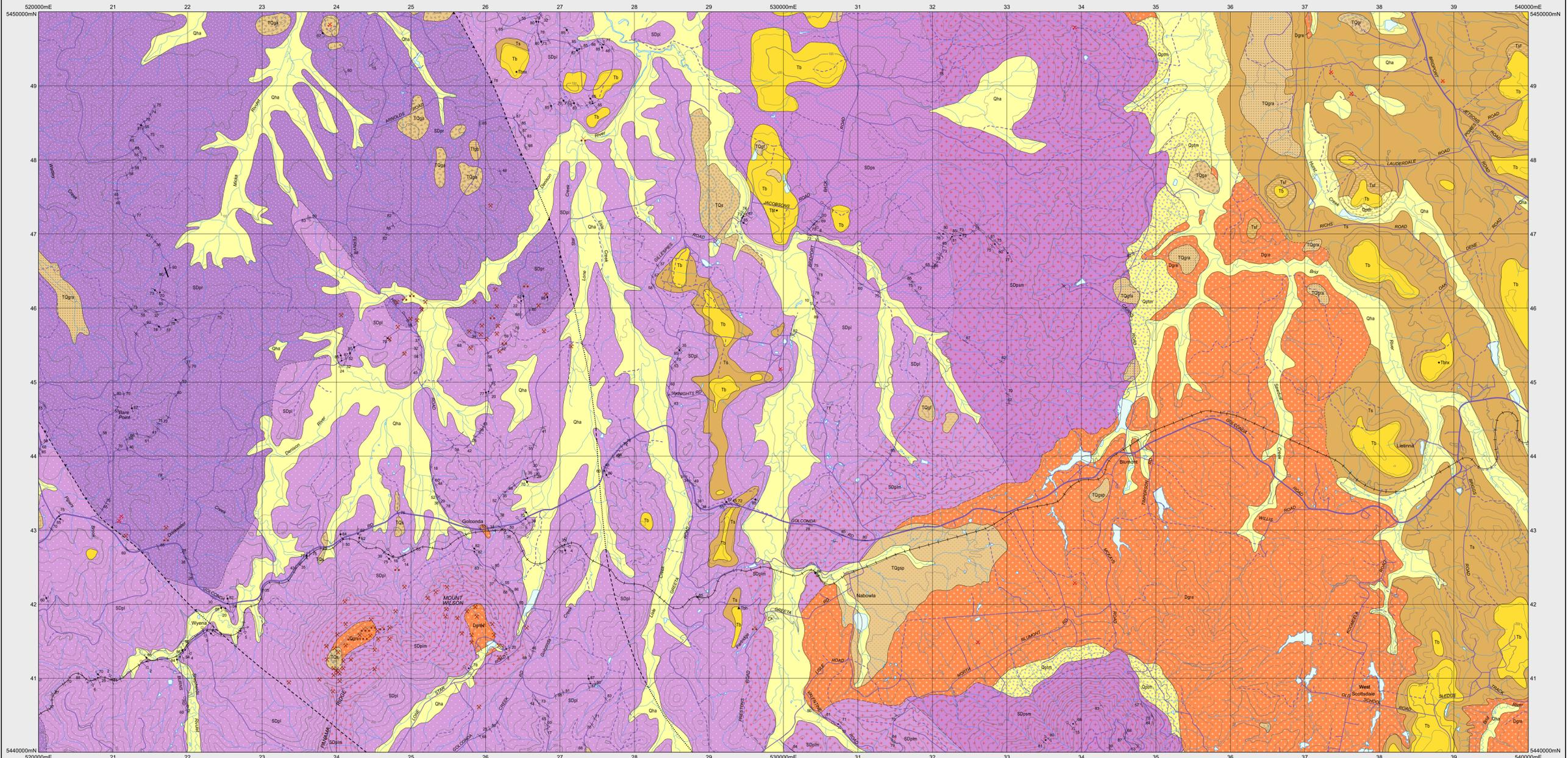


NABOWLA

Scale 1:25 000



QUATERNARY CENozoic	UNIT CODE	DESCRIPTION
	Qha	Stream alluvium, swamp and marsh deposits (Qha).
	Qpm	Mathinna Group talus (Qpm). Basalt talus (Qpb).
	TQgf	Ferruginous, pisolitic gravel with ironstone blocks (TQgf).
	TQgl	Ironstone horizons (TQgl).
	TQgr	Rounded gravel, mainly vein quartz (TQgr).
	TQga	Angular gravel, mainly vein quartz (TQga).
	TQgr	Rounded and angular gravel, mainly vein quartz (TQgr).
	TQgp	Quartz granule sand with pebbles (TQgp).
	TQs	Sandstone and conglomerate (TQs).
PALEOGENE - NEOGENE	Tb	Conglomerate, gravel, sand silt, mud and clay (Tb). Basalt (Tb); olivine tholeiite (Tb); hawaiite (Tb); olivine nephelinite with thersolite nodules (Tbn) indicated. Sands and gravels cemented by iron oxides (Tbf).
	Tsf	
	Tfg	Grey-billy and silcrete (Tfg).
		Unconformity

PALEOZOIC	UNIT CODE	DESCRIPTION
SLURIAN DEVONIAN LUDLOW/DEVONIAN	SDps	Dominantly fine-grained turbiditic quartz-rich sandstone, with some interbedded siltstone, contains vascular plant fossil fragments (SDps). Metamorphosed by granitic intrusion (SDpsm). (SDps, SDpsm: Sideling Sandstone).
	SDpsm	
	SDpl	Dominantly thin-bedded siltstone, with interbedded fine-grained quartz-rich sandstone increasing towards top, contains Slurian (Ludlow) graptolites (SDpl). Metamorphosed by granitic intrusion (SDplm). (SDpl, SDplm: Lone Star Siltstone).
	SDplm	
PALEOGENE - NEOGENE	SDpr	Interbedded turbiditic medium- to very fine-grained quartz-rich sandstone and subordinate siltstone-mudstone. (Retreat Formation) (SDpr).
	Tb	Basalt (Tb); olivine tholeiite (Tb); hawaiite (Tb); olivine nephelinite with thersolite nodules (Tbn) indicated.
DEVONIAN DEVONIAN	Darev	Medium- to coarse-grained, equigranular, biotite-hornblende granodiorite-tonalite, variably magnetic. Generally very poorly outcropping, concealed by homotaxial Mathinna Supergroup talus or lag (Darev) (Lisle Granodiorite, I-type).
	Dgre	Medium- to coarse-grained equigranular, biotite-hornblende granodiorite (Dgre) (Dixfield Granodiorite, I-type).

CONTACTS	DESCRIPTION
—	Geological contact.
- - - - -	Geological contact - inferred.
- · - · -	Transitional geological contact.
- - - - -	Unconformable lithological contact.
- · - · -	Unconformable lithological contact - inferred.
- - - - -	Metamorphic contact.
- - - - -	Igneous intrusive contact.
FAULTS	DESCRIPTION
- - - - -	Fault - inferred.
- · - · -	Fault - concealed.
- - - - -	Thrust fault (teeth on upper plate) - inferred.
- · - · -	Thrust fault (teeth on upper plate) - concealed.

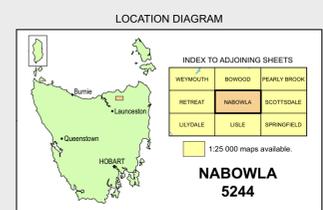
— / — / —	Strike and dip of bedding: facing known; overturned; facing unknown.
— / — / —	Strike of vertical bedding: facing unknown; facing indicated by single to.
— / — / —	Strike and dip of cleavage; type and relative age unspecified; penetrative cleavage; relative local age S.
— / — / —	Trend and plunge of minor fold hinge line, relative local age F; antiform; synform.
— / — / —	Trend and plunge of bedding/primary cleavage intersection lineation (L).
— / — / —	Strike and dip of outcrop-scale fault of unspecified relative age, type unspecified.
•	Flag 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 M.P. McClenaghan, B.Sc.(Hons), Ph.D., 1995 from the following source (see source diagram):
A. MARSHALL, B. BARTON, C. M. JENNINGS, D. J. NAQVI, I. H. 1965. Geological Atlas 1:63 360 series, sheet 31 (6319N), Piper's River. Department of Mines, Tasmania.
Updated by:
B. D. B. Seymour 2008-2009. Stratigraphic revision and re-mapping of Mathinna Supergroup supported by interpretation of airborne geophysical data, as part of the TasExplore Project, Mineral Resources Tasmania.
C. D. B. Seymour 2008-2009. Stratigraphic revision and reconnaissance re-mapping of Mathinna Supergroup supported by interpretation of airborne geophysical data, as part of the TasExplore Project, Mineral Resources Tasmania.
D. M.P. McClenaghan 2008-2009. Stratigraphic revision and re-mapping of Mathinna Supergroup supported by interpretation of airborne geophysical data, as part of the TasExplore Project, Mineral Resources Tasmania.
E. SEYMOUR, D. B. WOOLWARD, I. R. McCLENAGHAN, 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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SEYMOUR D.B. and McCLENAGHAN, M.P. 2010. Digital Geological Atlas 1:25 000 Scale Series, Sheet 5244 Nabowla, Mineral Resources Tasmania.
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Map produced by Spatial Information Services, Mineral Resources Tasmania.
Website: www.mrt.tas.gov.au
GDSM - MGA Zone 55. Contour Interval: 20 metres.



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