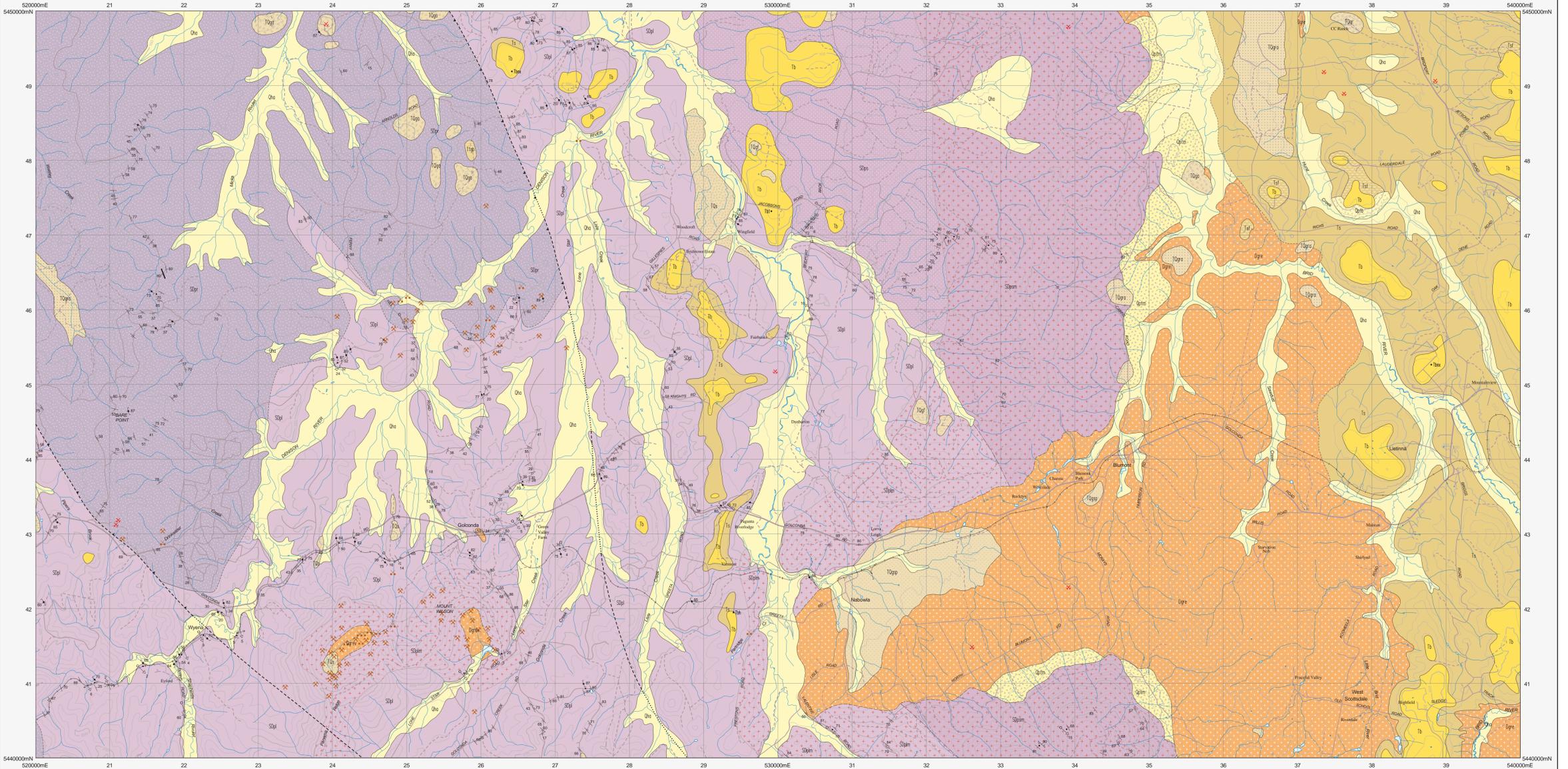


NABOWLA

Scale: 1:25 000



QUATERNARY QUATERNARY QUATERNARY	UNIT	DESCRIPTION
Qha	Stream alluvium, swamp and marsh deposits (Qha).	
Qplm	Melthorn Group talus (Qplm). Basalt talus (Qplb).	
T0gr	Ferrous, siliceous gravel with ironstone blocks (T0gr).	
T0gl	Ironstone horizons (T0gl).	
T0gr	Rounded gravel, mainly vein quartz (T0gr).	
T0ga	Angular gravel, mainly vein quartz (T0ga).	
T0gr	Rounded and angular gravel, mainly vein quartz (T0gr).	
T0ga	Quartz gravel sand with pebbles (T0ga).	
T0a	Sandstone and conglomerate (T0a).	
Ts	Conglomerate, gravel, sand, silt, mud and clay (Ts); sands and gravels cemented by iron oxides (Ts); greywacke and siltstone (Tga). Basaltic rock (Ts).	

PALEOZOIC DEVONIAN DEVONIAN	UNIT	DESCRIPTION
SDps	Dominantly fine-grained turbiditic quartz-rich sandstone, with some interbedded siltstone, contains vascular plant fossil fragments (SDps). Metamorphosed by granitic intrusion (SDps).	
SDpm	Dominantly fine-grained siltstone, with interbedded fine-grained quartz-rich sandstone increasing towards top, contains Silurian (Lobe) graptolites (SDpm). Metamorphosed by granitic intrusion (SDpm). (SDps, SDpm: Lone Star Siltstone).	
SDgr	Interbedded turbiditic medium- to very fine-grained quartz-rich sandstone and subordinate siltstone-mudstone (Retreat Formation) (SDgr).	
Tb	Basalt (Tb); olivine tholeiite (Tb); basaltic (Tb); olivine nephelinite with merzlike nodules (Tbn) indicated.	
Ugr	Medium- to coarse-grained, equigranular, biotite-hornblende granodiorite-basalt, variably magnetic. Laterally very poorly outcropping, composed by horizontal Melthorn Siltstone talus or lag (Ugr) (Lobe Granodiorite, I-type).	
Dgr	Medium- to coarse-grained, equigranular, biotite-hornblende granodiorite (Dgr) (Duke Granodiorite, I-type).	

BOUNDARY TYPE	DESCRIPTION
—	Geological boundary - position approximate.
- - - - -	Geological boundary - inferred.
- · - · - ·	Transitional geological boundary - position approximate.
- · - · - ·	Unconformable boundary - position approximate.
- · - · - ·	Unconformable boundary - inferred.
- - - - -	Intrusive boundary - position approximate.
- - - - -	Fault - inferred.
- - - - -	Fault - concealed.
- - - - -	Thrust fault (teeth on upper plate) - inferred.
- - - - -	Thrust fault (teeth on upper plate) - concealed.
- - - - -	Metamorphic boundary - position approximate.

SYMBOL	DESCRIPTION
— / —	Strike and dip of bedding facing known; overturned, facing unknown.
— / —	Strike of vertical bedding facing unknown; facing indicated by single lit.
— / —	Strike and dip of cleavage type and relative age unspecified; penetrative cleavage; relative local age S1; crenulation cleavage.
— / —	Trend and plunge of minor fold hinge line, relative local age F1; 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.
▲	Notable small float or log occurrence; with rock type indicated.
•	Notable small outcrop with rock unit indicated.
•	Field station for adjacent readings on the map.
✕	Mineral deposit location - hardrock.
✕	Mineral deposit location - alluvial/alluvial.
✕	Construction material/industrial mineral/gemstone location.

Compiled by M.P. McLennaghan, B.Sc.(Hons), Ph.D., 1965 from the following source (see responsibility diagram):
A. MARSHALL, B. BARTON, C. M. JENNINGS, D. J. NAZVA, I. H. 1965. Geological Atlas 1:25 000 Series, sheet 31 (5313N), Pipes River. Department of Mines, Tasmania.
Updated by:
B. B. Seymour 2005-09: Stratigraphic revision and re-mapping of Melthorn Supergroup supported by interpretation of airborne geophysical data, as part of the TradeXplore Project, Mineral Resources Tasmania.
C. D. B. Seymour 2008-09: Stratigraphic revision and reconnaissance re-mapping of Melthorn Supergroup supported by interpretation of airborne geophysical data, as part of the TradeXplore Project, Mineral Resources Tasmania.
D. M.P. McLennaghan 2008-09: Stratigraphic revision and re-mapping of Melthorn Supergroup supported by interpretation of airborne geophysical data, as part of the TradeXplore Project, Mineral Resources Tasmania.

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GDA84 - MGA Zone 55. Contour Interval: 20 metres.



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