

ALBERTON - MATHINNA AREA

PALEOZOIC SILURIAN(?) - DEVONIAN LOWER DEVONIAN	SDplam	SDplapq	Thin-bedded siltstone with interbedded fine-grained quartz-rich sandstone increasing towards top, contact metamorphosed by granitic intrusion (SDplam).
	SDplap		Interbedded thin-bedded siltstone and fine-grained quartz-rich sandstone unit within SDplap (SDplapq).
			(SDplam, SDplapq - possible correlates of Siding Sandstone).

BURNS CREEK - BLESSINGTON AREA

PALEOZOIC SILURIAN(?) - DEVONIAN LOWER DEVONIAN	SDpsm	SDpsq	Dominantly fine-grained turbidite quartz-rich sandstone, with some interbedded siltstone. Contains vascular plant fossil fragments, contact metamorphosed by granitic intrusion (SDpsm). In the east, dominantly micaceous, quartz-rich coarse- to very coarse-grained sandstone with minor interbedded siltstone (SDpsq). In the west, thin-bedded, commonly laminated siltstone with minor interbedded quartz-rich sandstone (SDpsm), contact metamorphosed by granitic intrusion (SDpsm).
	SDpsap	SDpsapq	Medium- to fine-grained turbidite, quartz-rich sandstone with interbedded laminated siltstone (SDpsap), contact metamorphosed by granitic intrusion (SDpsap).
	SDplap		Dominantly thin-bedded siltstone with minor quartz-rich sandstone (SDplap), contact metamorphosed by granitic intrusion (SDplap).
	SDplapq		Interbedded thin-bedded siltstone and fine-grained quartz-rich sandstone within SDplap (SDplapq), contact metamorphosed by granitic intrusion (SDplapq).
	SDplap		Fine- to medium-grained quartz-rich sandstone unit within SDplap (SDplap).
	SDplap		Grey and black shale with graptolite fossils of Ludlow age and interbedded lenticular siltstone within SDplap (SDplap).
	SDplab		(SDplap, SDplapq, SDplapq, SDplapq, SDplap, SDplap - possible correlates of Lone Star Siltstone).

IGNEOUS ROCKS

MESOZOIC JURASSIC	Jd	Dolomite (Jd). Grain size and textural features indicated - very fine-grained (<0.7mm) with orthopyroxene microphenocrysts (L4H6); fine-grained (0.7 - 1.5 Jd10); with orthopyroxene (L60); medium-grained (1.5 - 3.0mm) (Jd10); medium-to coarse grained (Jd10); with abundant mesoast (L60a); in situ or transported masses (Jd).
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MINOR GRANITIC INTRUSIONS

	Dgh	Aplite (Dgh).
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SCOTTSDALE BATHOLITH

PALEOZOIC DEVONIAN MIDDLE DEVONIAN	Dgmv	Medium to coarse-grained, variably equigranular, seriate or sparsely porphyritic (K-feldspar phenocrysts to 30mm), biotite-hornblende monzogranite/granodiorite (Dgmv); variety with very abundant fine-to coarse-grained quartz diorite xenoliths (Dgmv); (Dgmv, Dgmv - Hogarth Road Granite, 1-type).
	Dgns	Coarse- to very coarse-grained, equigranular biotite + hornblende monzogranite/granodiorite (Dgns) (Russells Road Granite, 1-type).
	Dgrcs	Coarse-grained, equigranular to seriate (K-feldspar) biotite hornblende granodiorite (Dgrcs); very coarse-grained (>10mm) variety (Dgrcs); (Dgrcs, Dgrcs - Upper Blessington pluton, 1-type).

CONTACTS

Geological contact.	Strike and dip of bedding, right way up; overturned, facing unknown.
Geological contact - inferred.	Strike of vertical bedding, facing unknown.
Transitional geological contact.	Horizontal bedding.
Metamorphic contact.	Strike and dip of cleavage, type and relative age unspecified - dipping.
Igneous intrusive contact.	Strike and dip of dyke or vein, rock type or mineral specified.
Limit of mapping of sub-unit within undifferentiated rock unit.	Strike and dip of cleavage - relative local age S_1 ; dipping, vertical.
Limit of detailed mapping.	Trend and plunge of minor fold hinge line, unspecified relative age.

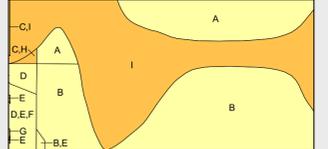
FAULTS

Fault - inferred.	Trend and plunge of minor fold hinge line, unspecified relative age, with dip and dip direction of axial surface, symmetrical.
Fault - concealed.	Trend and plunge of chevron-fold hinge line, unspecified relative age, with dip and dip direction of axial surface.
Normal fault (downthrown side indicated).	Trend and plunge of kink-fold hinge line, with dip and dip direction of axial surface, and sense of displacement viewed down-plunge: dextral.
Normal fault (downthrown side indicated) - inferred.	Trend and plunge of columnar jointing.
Normal fault (downthrown side indicated) - concealed.	Vertical columnar jointing.
Intrusive boundary along pre-existing fault.	Field station for adjacent readings on the map.

LINEARS

Axial surface trace of major antiform.	Notable small outcrop with rock unit indicated.
Axial surface trace of major synform.	Notable small float or lag occurrence with rock unit indicated.
Moraine ridge crest.	Mineral deposit location - hardrock.
Scarp.	Construction material/industrial mineral/gemstone location.
Limit of glacial smoothing of bedrock.	
Slope break.	
Lineament - visible on aerial photographs.	

SOURCE DIAGRAM



- Compiled by M.P. McClenaghan, B.Sc.(Hons), Ph.D., 2005 from the following sources (see source diagram):
- A. MACLENNAGHAN M.P., EVERARD J.L., GOSCOMBE B.D., FINDLAY R.H., CALVER C.R. 1993. Geological Atlas 1:50 000 Series, Sheet 46 (814N), Ben Lomond, Tasmania Department of Mines.
 - B. LENNOX P.G., CALVER C.R., FINDLAY R.H., EVERARD J.L. 1988. Geological Atlas 1:50 000 Series, Sheet 46 (814N), Ben Lomond, Tasmania Department of Mines.
 - C. LONGMAN M.J., MATTHEWS W.L., ROWE S.M. 1964. Geological Atlas 1:63 360 Series, Sheet 39 (831SS), Launceston, Tasmania Department of Mines.
 - D. BLAKE F. 1959. Geological Atlas 1:63 360 Series, Sheet 47 (831N), Longford, Tasmania Department of Mines.
 - E. J.L. Everard, 2005. New geological mapping.
 - F. S.M. Forsyth, 2006. Aerial photograph interpretation.
 - G. S.M. Forsyth, 2006. New geological mapping.
 - H. M.P. McClenaghan, 2005. New geological mapping.

- Updated by:
- I. D.C. Green, 2011. 1:25 000 scale geological mapping and interpretation of airborne geophysical data as part of the TasExplore project.

REFERENCE THIS MAP AS:

GREEN, D.C. 2011. Digital Geological Atlas 1:25 000 Scale Series, Sheet 5440 Giblin, Mineral Resources Tasmania.

Base data from the LIST, Copyright State of Tasmania.
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Mineral Resources Tasmania.
Website: www.mrt.tas.gov.au
GDSM - MGA Zone 55. Contour Interval: 20 metres.



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LOCATION DIAGRAM

