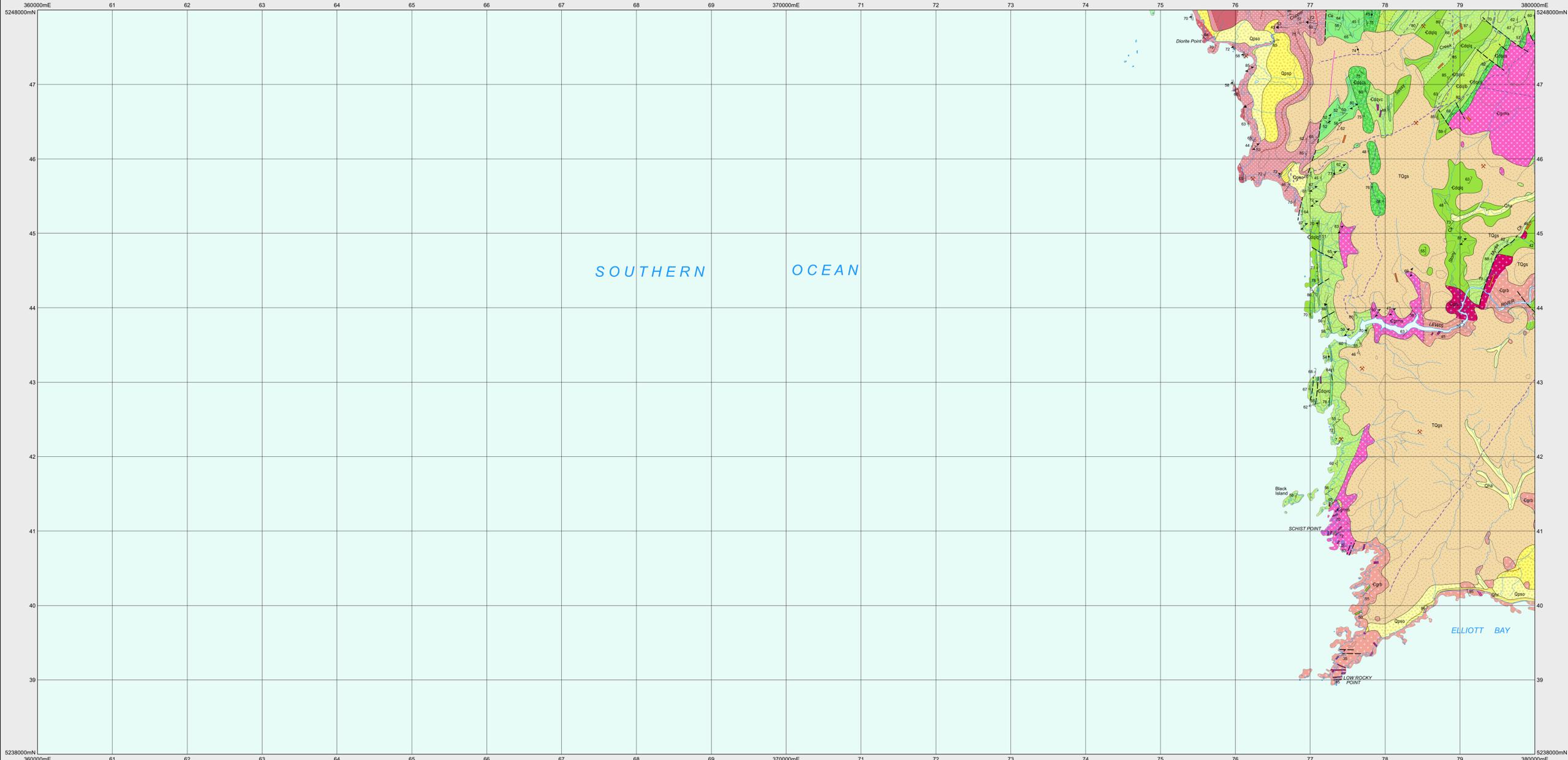


VERIDIAN SOUTH

Scale 1:25 000



COMPOSITE LEGEND FOR VERIDIAN NORTH AND SOUTH

PERIOD	UNIT	SYMBOL	DESCRIPTION	
CENOZOIC	QUATERNARY	Qhdb	Modern shore face and associated aeolian dune sand (Qhdb).	
		Qha	Stream alluvium, swamp and marsh deposits (Qha).	
		Qhr	Raised beach deposits (Qhr).	
		Qpsw	Older aeolian dune sand (Qpsw).	
		Qpsa	Older aeolian sand and sand dunes (Qpsa).	
		Qpsp	Sands and gravels associated with older marine platforms - probably includes marine, alluvial and slope deposits (Qpsp).	
PALEOGENE-NEOGENE	UNCONFORMITY	TQps	Gravel and sand deposits associated with surface approx. 50m a.s.l. Includes vein quartz lag and probable younger alluvial deposits (TQps).	
			Unconformity.	
PALEOZOIC	CAMBRIAN	CAMBRIAN SERIES 3	Cdsv	Volcano-sedimentary and sedimentary sequences of sandstone, mudstone and minor conglomerate, with some felsic to andesitic volcanic units (Cdsv).
			Cdsvs	Dominantly volcanoclastic pebble conglomerate and sandstone with interbedded siltstone (Cdsvs).
			Cdsvs	Dominantly volcanoclastic sandstone with interbedded siltstone and mudstone and minor granite conglomerate (Cdsvs).
		CAMBRIAN SERIES 2	Cdqv	Dominantly volcanoclastic rocks, typically quartz feldspar-phyric (Cdqv).
			Cdqls	Dominantly siltstone sequence, typically grey, thinly bedded (Cdqls).
			Cdqlp	Siltstone-conglomerate, sandstone and breccia (Cdqlp).
			Cdqlq	Siltstone-micaceous sandstone, generally thin bedded (Cdqlq).
			Cdqlv	Dominantly volcanoclastic sandstone with minor siltstone, typically quartz-feldspar-phyric, well bedded (Cdqlv).
			Cdqlq	Dominantly felsic quartz-feldspar-phyric lavas and/or intrusives, with minor felsic volcanoclastic rocks (Cdqlq).
			Cdqlb	Quartz-feldspar-biotite-phyric lava and/or intrusive (Cdqlb).

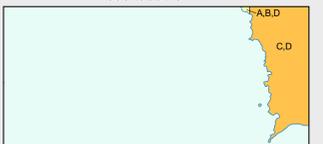
CORRELATE OF WESTERN VOLCANIC SEDIMENTARY SEQUENCE
CORRELATES OF MOUNT READ VOLCANICS

PERIOD	UNIT	SYMBOL	DESCRIPTION		
CAMBRIAN	CAMBRIAN SERIES 2	Ccwm	Volcanoclastic sandstone, siltstone, mudstone and minor chert with intercalated basaltic lavas and breccias ('Mainwaring Group') (Ccwm).		
		Ccwms	Dominantly mafic volcanoclastic sandstone with siltstone, dolomitic sandstone, mafic volcanic breccia and minor mafic lava (Ccwms).		
		Ccwb	Dominantly basaltic lavas and breccias, typically chlorite-epidote-altered, with minor sedimentary rocks (Ccwb).		
PALEOZOIC	CAMBRIAN	CAMBRIAN SERIES 3	qv	Quartz vein.	
			Cdfc	Felsic dyke, commonly flow-banded (Cdfc).	
		CAMBRIAN SERIES 2	Cgrb	Dominantly medium- to coarse-grained biotite granite-adamellite (Cgrb).	
			Cgrs	Granite with strongly sericitized feldspar and biotite altered to opaque, muscovite and chlorite (Cgrs).	
			Cgrm	Intensely sericite-quartz-altered microgranite. May include minor thermally altered country rock (Cgrm).	
			Cgrs	Granite-related apfite, microgranite or quartz-feldspar porphyry dyke (Cgrs).	
			Cdqlb	Quartz-feldspar-biotite-phyric lava and/or intrusive (Cdqlb).	
			Cda	Andesitic intrusive or lava (Cda).	
			CAMBRIAN SERIES 1	Ccwb	Dolomitic rocks forming alluvial bodies with peperitic features in places, within 'Mainwaring Group' (Ccwb).

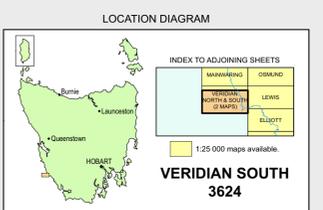
CORRELATE OF WESTERN VOLCANIC SEDIMENTARY SEQUENCE
CORRELATES OF MOUNT READ VOLCANICS

FEATURE	SYMBOL	DESCRIPTION
CONTACTS	—	Geological contact.
	- - -	Geological contact - inferred.
	- · - · -	Geological contact - inferred from magnetic data.
	- · - · - · - · -	Limit of mapping of sub-unit within undifferentiated rock unit.
	- · - · - · - · - · -	Limit of detailed mapping.
FAULTS	- - -	Fault.
	- - -	Scarp.
LINEARS	- - -	Lineament - visible in magnetic data.
	- - -	Lineament - visible in radiometric data.

SYMBOL	DESCRIPTION
↘ ↙	Strike and dip of bedding, facing known - right way up: overturned, vertical, facing indicated by single 't'.
↘ ↙	Strike and dip of bedding, facing unknown.
↘ ↙	Strike and dip of cleavage, type and relative age unspecified - dipping.
↘ ↙	Strike and dip of cleavage, type and relative age unspecified, parallel to bedding, facing unknown.
↘ ↙	Strike and dip of cleavage, relative local age S ₁ .
↘ ↙	Strike and dip of cleavage, relative local age S ₂ , vertical.
↘ ↙	Strike and dip of crenulation cleavage.
↘ ↙	Strike and dip of penetrative cleavage.
↘ ↙	Strike and dip of primary igneous banding or platy alignment.
↘ ↙	Trend and plunge of hinge line of minor fold, unspecified relative age, with dip and dip direction of axial surface.
↘ ↙	Trend and plunge of hinge line of minor fold, relative local age F ₁ .
↘ ↙	Trend and plunge of hinge line of minor fold, relative local age F ₂ , with dip and dip direction of axial surface.
↘ ↙	Trend and plunge of mineral elongation lineation.
↘ ↙	Strike and dip of vein, rock type or mineral unspecified; vertical.
✕	Mineral deposit location - hardrock.



Compiled by D.B. Seymour, B.Sc.(Hons), Ph.D. and D.Green, B.Sc.(Hons), Ph.D. 2003 from the following sources (see source diagram):
A. BROWN, A.V., 1988. Geological Atlas 1:50 000 Series, Sheet 78 (79125), Montgomery, Tasmania Department of Mines.
B. D.B. Seymour, 1999. New aeromagnetic and alpha photo interpretation.
C. PEMBERTON, J., VICARY, M. J., BRADBURY, J. and CORBETT, K.D., 1991. Geology of the Elphinstone - Mt Osmund area. Map 10. Mt Read Volcanics Project, Department of Mines, Tasmania.
Updated as part of the Western Tasmania Regional Minerals Program by:
D. CORBETT, K.D., 2004. Updating and revision of the 1:25 000 scale series geological maps covering the Mt Read Volcanics belt in western and northwestern Tasmania. Tasmanian Geological Survey Record 2004/03. Mineral Resources Tasmania.



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Website: www.mrt.tas.gov.au
GDA94 - MGA Zone 55. Contour Interval: 20 metres.

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