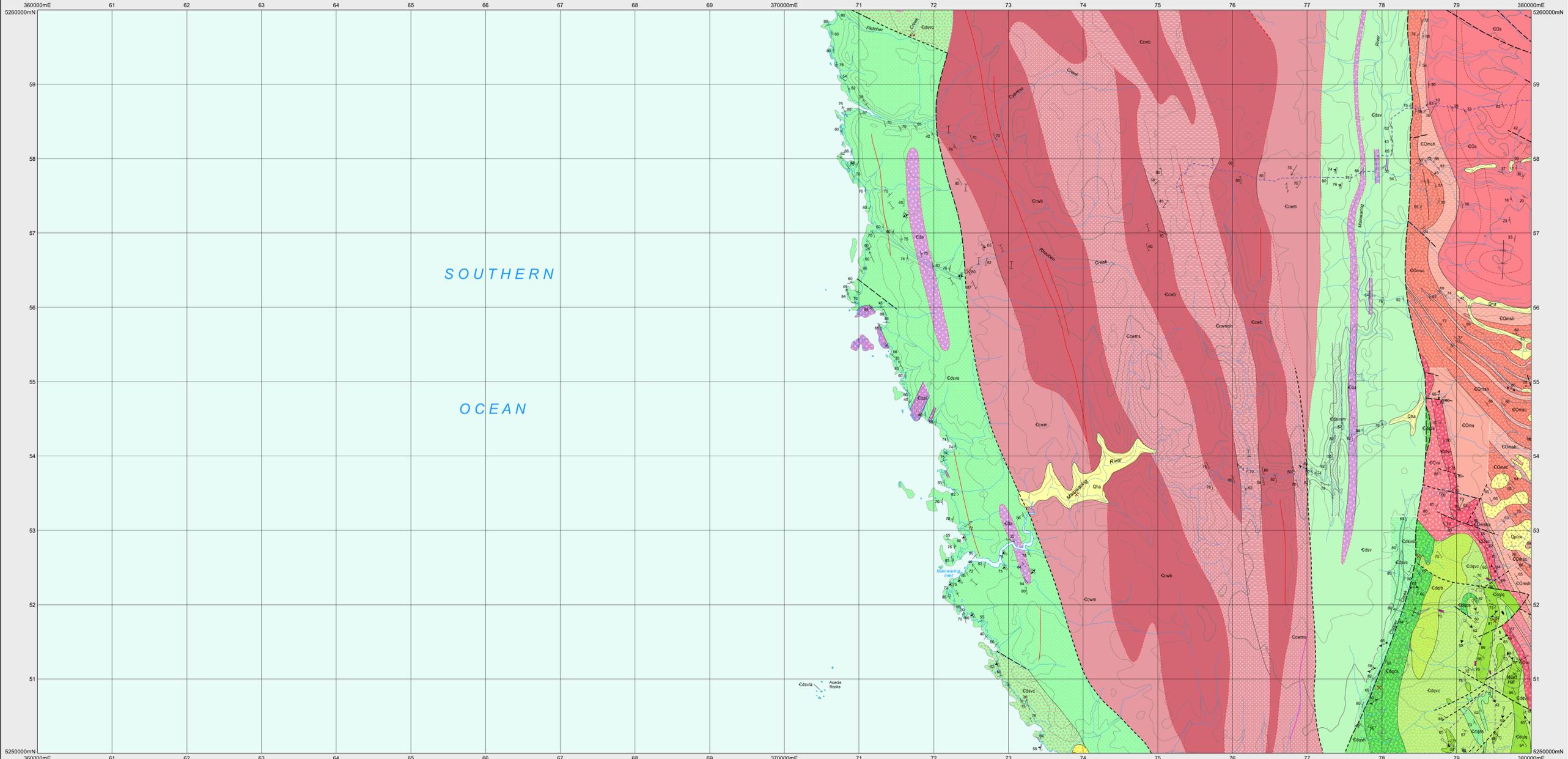


MAINWARING

Scale 1:25 000
0 500 1000 1500 2000 2500m



CENOZOIC	
QUATERNARY	
Qploc	Talus derived from Ordovician conglomerate (Qploc).
Qha	Stream alluvium, swamp and marsh deposits (Qha).
Qpsw	Older aeolian dune sand (Qpsw).
Qptp	Sands and gravels associated with older marine platforms - probably includes marine, alluvial and slope deposits (Qptp).
PALEOZOIC	
CAMBRIAN	
FURNISSIAN	
COs	Sandstone grey to pink, trough cross-bedded, micaceous, with minor pebble conglomerate and siltstone (COs).
COms	Marine sequence of interbedded sandstone, siltstone and conglomerate (COms).
COmsh	Mainly conglomerate, granule-pebble grade, with interbedded sandstone and minor siltstone (COmsh).
COmsc	Mainly thin-bedded micaceous siltstone, green to grey, with interbedded sandstone (COmsc).
COmshp	Dominantly interbedded sandstone and siltstone (COmshp).
COmshp	Mainly black pyritic shale and siltstone (COmshp).
COvc	Mainly volcanoclastic conglomerate and sandstone (COvc).
COva	Locally developed sequence of volcanoclastic sandstone and siltstone, well bedded, with common graded bedding (COva).
-----	Unconformity.

PALEOZOIC	
CAMBRIAN	
CAMBRIAN SERIES 3	
Cdsvc	Mixed sequence of volcano-sedimentary, sedimentary and volcanic rocks, ranging from felsic to andesitic in composition. Includes some non-volcanic sedimentary rocks (Cdsvc).
Cdsvc	Dominantly volcanoclastic conglomerate and sandstone with some interbedded siltstone (Cdsvc).
Cdsvc	Dominantly volcanoclastic sandstone with interbedded siltstone and mudstone and minor conglomerate (Cdsvc).
Cda	Andesitic lava, breccia and possible intrusive, typically plagioclase-pyroxene-phyric (Cda).
Cdsvh	Dominantly siltstone and shale, grey to black, with some interbedded sandstone and siltstone (Cdsvh).
Cdsvm	Mafic volcanoclastic sandstone, siltstone and possible lava, chlorite-epitote-altered, schistose (Cdsvm).
Cdsva	Felsic lava and breccia at Acacia Rocks (Cdsva).
CAMBRIAN SERIES 2	
Cdqsh	Dominantly siltstone sequence, typically grey, thinly bedded (Cdqsh).
Cdqsc	Siliceous conglomerate, sandstone and breccia (Cdqsc).
Cdqvc	Dominantly felsic volcanoclastic rocks, well bedded to massive. Includes sandstone, siltstone, minor conglomerate, probable pyroclastic rocks and minor felsic lavas (Cdqvc).
Cdqsc	Siliceous-micaceous sandstone, generally thin bedded (Cdqsc).
Cdqsh	Dominantly felsic quartz-feldspar-phyric lavas and/or intrusives, with minor felsic volcanoclastic rocks (Cdqsh).
Cdqib	Quartz-feldspar-biotite-phyric lava and/or intrusive (Cdqib).

PALEOZOIC	
CAMBRIAN	
CAMBRIAN SERIES 2	
TERSENELVIAN, 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).
Ccwmsb	Mainly laminated siltstone with interbedded laminated chert zones (Ccwmsb).
Ccwb	Dominantly basaltic lavas and breccias with minor sedimentary rocks (Ccwb).

INTRUSIVE ROCKS	
Cdqib	Quartz-feldspar-biotite-phyric lava and/or intrusive (Cdqib).
Cdcb	Mafic dykes, typically chlorite-altered (Cdcb).
Cdca	Andesitic dykes and sills (Cdca).

MINERALISATION	
Cxmo	Outcrop of massive sulphide (Cxmo).

CONTACTS	
-----	Geological contact.
-----	Geological contact - inferred.
-----	Geological contact - inferred from magnetic data.
-----	Geological contact - inferred from radiometric data.
-----	Limit of mapping of sub-unit within undifferentiated rock unit.
-----	Limit of detailed mapping.

FAULTS	
-----	Fault.
-----	Fault - inferred.
-----	Fault - inferred from magnetic data.

LINEARS	
-----	Axial surface trace of major antiform.
-----	Axial surface trace of major synform.
-----	Lineament - visible in magnetic data.
-----	Lineament - visible in radiometric data.
-----	Lithological trend line, including bedding trace interpreted from aerial photographs.

CORRELATE OF GLEBEHEAD - WINDMILL ASSOCIATION ALLOCHTHONOUS SEQUENCES	
↗	Strike and dip of bedding, facing known - right way up: overturned, vertical, facing indicated by single tic.
↘	Strike and dip of bedding, facing unknown - dipping; vertical.
↖	Strike and dip of cleavage of unspecified type and relative age, vertical.
↗	Strike and dip of cleavage of unspecified type and relative age, parallel to bedding, facing unknown.
↖	Strike and dip of cleavage, relative local age S ₁ , S ₂ .
↗	Strike and dip of crenulation cleavage; vertical.
↖	Strike of vertical kink band, movement sense unspecified.
↗	Strike and dip of primary igneous banding or platy alignment.
↖	Strike and dip of metamorphic foliation other than cleavage, parallel to compositional layering.
↗	Trend and plunge of hinge line of minor fold, unspecified relative age, with dip and dip direction of axial surface, vertical.
↖	Trend and plunge of hinge line of minor fold, unspecified relative age.
↗	Trend and plunge of hinge line of minor fold, relative local age F ₁ .
↖	Trend and plunge of mineral elongation lineation.
↗	Strike and dip of vein, rock type or mineral unspecified.
↖	Mineral deposit location - hardrock.
↖	Mineral deposit location - alluvial/tailings.



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). Monopony, Tasmania Department of Mines.

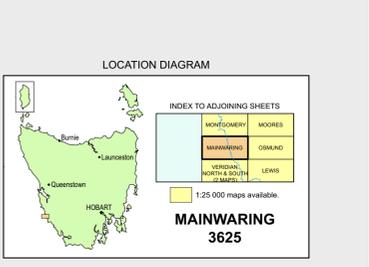
B. D.B. Seymour, 1999. New aeromagnetic and altphoto interpretation.

C. VICARY, M.J., PEMBERTON, J., BRADBURY, J. and CORBETT, K.D., 1992. Geology of the Wandener River - Moores Valley area. Map 11. Mt Read Volcanics Project. Department of Mines, Tasmania.

D. PEMBERTON, J., VICARY, M. J., BRADBURY, J. and CORBETT, K.D., 1991. Geology of the Ellick Bay - Mt Osmond area. Map 10. Mt Read Volcanics Project. Department of Mines, Tasmania.

Updated as part of the Western Tasmanian Regional Minerals Program by:

E. 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.



REFERENCE THIS MAP AS:
SEYMOUR, D.B. and GREEN, D. (compilers) 2004. Digital Geological Atlas 1:25 000 Scale Series, Sheet 3625 Mainwaring, Mineral Resources Tasmania.

Base data from the LIST, Copyright State of Tasmania.

Map produced by Spatial Information Services, Mineral Resources Tasmania.
Website: www.mrt.tas.gov.au
GDA94 - MGA Zone 55. Contour Interval: 20 metres.

While every care has been taken in the preparation of this data, no warranty is given as to the correctness of the information and no liability is accepted for any statement or opinion or for any error or omission. No reader should act or fail to act on the basis of any material contained herein. Readers should consult professional advisers. As a result the Crown in Right of the State of Tasmania and its employees, contractors and agents expressly disclaim all and any liability (including all liability from or attributable to any negligent or wrongful act or omission) to any persons whatsoever in respect of anything done or omitted to be done by any such person in reliance whether in whole or in part upon any of the material in this data. Crown copyright reserved.