

CENOZOIC - QUATERNARY	
HOLOCENE	<p>Qhds Qhwd Modern shore face and associated aeolian dune sand (Qhds). Aeolian dune and sheet sand (Qhwd).</p> <p>Qhr Raised beach deposits (Qhr).</p> <p>Erosional surface.</p> <p>Tabc Calcrete breccia (Tabc).</p>
PALEOGENE - NEOGENE	<p>Angular unconformity due to Middle Devonian polyphase orogeny.</p>
NEOPROTEROZOIC	<p>Pdvf Mudstone and lithicwacke (Pdvf). (Correlates of Crimson Creek Formation).</p> <p>Pdsx Pdsxm Crystalline dolomite with minor chert bands (Pdsx); mudstone horizon (Pdsxm). (Possible correlates of Black River Dolomite).</p> <p>Pdsn Variably calcareous mudstone, siltstone and sandstone (Pdsn).</p> <p>Pon Pnd Metamorphosed interbedded quartzwacke and mudstone/siltstone (Pon); metamorphosed impure dolomite-rich sequences of mudstone, siltstone and sandstone (Pnd). (Correlates of Onash Formation).</p>

CORRELATES OF CRIMSON CREEK GROUP

PALEOZOIC	
DEVONIAN	<p>Di Lamprophyre dykes and intrusive bodies (Di).</p> <p>Cxh Hematite ± pyrite bodies (Cxh).</p> <p>Ccd Intermediate composition dykes (Ccd).</p> <p>Cgd Gabbro dykes, intrusive bodies and fault-bounded units (Cgd).</p>

CONTACTS	
—	Geological contact
- - - - -	Transitional geological contact
— · — · —	Limit of mapping of sub-unit within undifferentiated rock unit
— · — · — · —	Limit of detailed mapping

FAULTS	
- - - - -	Fault - inferred

LINEARS	
— · — · — · —	Lithological trend line, including bedding trace interpreted from aerial photographs

### INTRUSIVE ROCKS

- ↘ ↙ Strike and dip of bedding, facing known - right way up; overturned.
- ↘ ↙ Strike and dip of bedding, facing unknown.
- ↘ ↙ Strike and dip of cleavage, type and relative age unspecified - dipping, vertical.
- ↘ ↙ Strike and dip of cleavage, relative local age S<sub>1</sub> - dipping, vertical.
- ↘ ↙ Strike and dip of cleavage, relative local age S<sub>2</sub>.
- ↗ ↘ Trend and plunge of hingeline of minor fold, unspecified relative age; with dip and dip direction of axial surface indicated.
- ↗ ↘ Trend and plunge of hingeline of minor fold, relative local age F<sub>1</sub>.
- Field station for adjacent readings on the map.
- ⊗ Mineral deposit location - hardrock.

### SOURCE DIAGRAM



- 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 D.B. Seymour, B.Sc.(Hons), Ph.D., 2001 from the following sources (see source diagram):

A. MACLENGHAN, M.P.; FINDLAY, R.H., 1969. Geological Atlas 1:50 000 Series. Sheet 64 (7153), Macquarie Harbour. Tasmania Department of Mines.

B. B.D. Goscombe, 1989-1990. Unpublished mapping.

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

C. 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. (compiler) 2003. Digital Geological Atlas 1:25 000 Scale Series. Sheet 3429 Varna. Mineral Resources Tasmania.

Base data from the LIST, Copyright State of Tasmania.

Map produced by Spatial Information Services, Mineral Resources Tasmania.

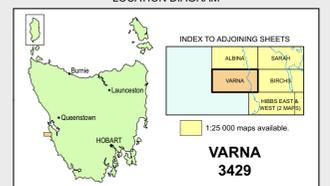
Website: [www.mrt.tas.gov.au](http://www.mrt.tas.gov.au)

GDSM - MGA Zone 55. Contour interval: 20 metres.

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### LOCATION DIAGRAM



1:25 000 maps available.

**VARNA**  
3429