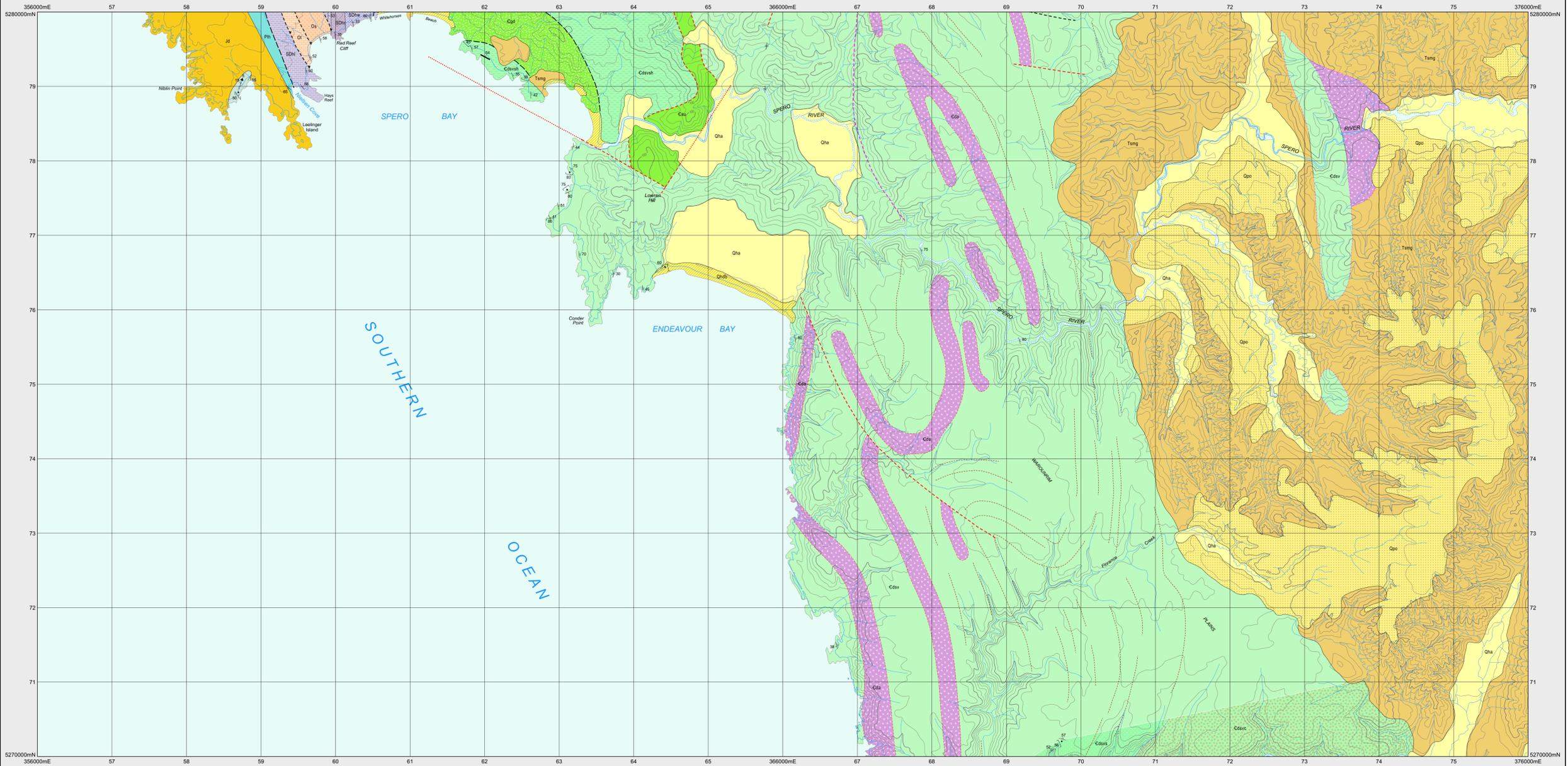


# ENDEAVOUR WEST

Scale 1:25 000



COMPOSITE LEGEND FOR ENDEAVOUR EAST AND ENDEAVOUR WEST

CENOZOIC	
QUATERNARY	<p><b>Qhdh</b> Modern shore face and associated aeolian dune sand (Qhdh).</p> <p><b>Qha</b> Alluvium and swamp deposits (Qha).</p> <p><b>Qpo</b> Older alluvial gravels, mainly on raised terraces developed on Tertiary deposits, and showing a gradational relationship to younger alluvium (Qpo).</p> <p><b>Teng</b> Semi-consolidated interbedded sands, pebble-cobble gravels (up to boulder grade in some places), silts and clays; some horizons contain coalified wood and raw amber (Teng).</p> <p><b>Pih</b> Marine sequence of grey, poorly sorted polymict cobble-pebble lithic conglomerate, pebbly lithic sandstone, siltstone, calcareous mudstone and limestone, with abundant marine macrofossils in some beds (Pih). (Correlate of Lower Parmener Supergroup).</p>
Angular unconformity	
DEVONIAN	<p><b>SDhw</b> Pale-weathering, cross-bedded, well-sorted marine quartz sandstone with minor siltstone and conglomerate; fossiliferous bed near top contains brachiopods, tentaculids and orthoconic cephalopods (SDhw). (Whitehorses Beach Sandstone).</p> <p><b>SDhr</b> Unfossiliferous red-bed sequence of predominantly fine-grained lithic sandstone with subordinate coarse lithic sandstone and lithic conglomerate, arranged in fining-upward sequences (SDhr). (Red Reef Sandstone).</p> <p><b>SDH</b> Interbedded fossiliferous marine limestone and calcareous mudstone, abundant coral heads up to 0.5m in diameter (SDH). (Point Hibbs Formation).</p>
Possible disconformity	

PALEOZOIC	
ORDOVICIAN	<p><b>Oi</b> Dark grey limestone, dolomite, calcareous mudstone, minor quartz sandstone and black clay weathering products; in part fossiliferous (Oi).</p> <p><b>Os</b> Dominantly brown to red-weathering cross-bedded quartz sandstone with current ripples and bioturbation in some beds, and minor pebble conglomerate and siltstone (Os).</p>
Inferred unconformity	
CAMBRIAN	<p><b>Cdsv</b> Mixed sequence of volcano-sedimentary, sedimentary and volcanic rocks, ranging from felsic to andesitic in composition. May include non-volcanic sedimentary rocks (Cdsv).</p> <p><b>Cda</b> Andesitic lavas and breccias and possible intrusives, typically pyroxene-plagioclase-phyric. Includes some units mapped from aeromagnetic signature (Cda).</p> <p><b>Cdsv</b> Dominantly volcanoclastic conglomerate and lithic sandstone with interbedded siltstone and mudstone (Cdsv).</p> <p><b>Cdsva</b> Dominantly quartz-rich sandstone with interbedded siltstone and mudstone and minor conglomerate (Cdsva).</p> <p><b>Cdsvh</b> Dominantly siltstone-mudstone sequence, grey to greenish-grey, thin-bedded, with subordinate thin graded turbidite sandstone units (Cdsvh).</p>
Inferred erosional surface	
NEO-PROTEROZOIC	<p><b>Pon</b> Metamorphosed interbedded quartzite and mudstone/siltstone (Pon). (Correlate of Oonah Formation)</p>

MESOZOIC	
JURASSIC	<p><b>Jd</b> Dolomite (Jd).</p>
CAMBRIAN	<p><b>Cda</b> Andesitic lavas and possible intrusives (Cda).</p> <p><b>Egd</b> Gabbro dykes, intrusive bodies and fault-bounded units (Egd).</p> <p><b>Esu</b> Undifferentiated, generally coarse-grained ultramafic rocks, gabbro and sheared serpentinite (Esu).</p>
ALLOCHTHONOUS SEQUENCES	

CONTACTS	
Geological contact	Strike and dip of bedding, facing known - right way up; overturned.
Geological contact - inferred from magnetic data.	Strike and dip of bedding, facing unknown - dipping, vertical.
Geological contact - inferred from radiometric data.	Strike and dip of cleavage, type and relative age unspecified - dipping, vertical.
Limit of mapping of sub-unit within undifferentiated rock unit.	Trend and plunge of lineation of minor fold, relative local age $F_2$ , with dip and dip direction of axial surface indicated.
Limit of detailed mapping.	Strike and dip of crenulation cleavage.
Faults	Strike and dip of outcrop-scale fault.
Fault - inferred.	Field station for adjacent readings on the map.
Fault - concealed.	
Fault - inferred from magnetic data.	
Fault - concealed, inferred from magnetic data.	
Fault - inferred from radiometric data.	
Thrust fault (beath on upper plate) - inferred.	
Lithological trend line, including bedding trace interpreted from aerial photographs.	

**SOURCE DIAGRAM**

Compiled by D.B. Seymour, B.Sc.(Hons), Ph.D. and D. Green, B.Sc.(Hons), Ph.D. 2000 from the following sources (see source diagram):

- A. Unpublished mapping by M.P. McClellaghan, B.Sc.(Hons), Ph.D., 1990.
- B. Unpublished mapping by A.V. Brown, B.Sc.(Hons), Ph.D., 1989.
- C. Unpublished mapping by D.B. Seymour, B.Sc.(Hons), Ph.D., 1989-1990.
- D. D.B. Seymour, 1999. New aeromagnetic and airphoto interpretation, with additional information from:
- E. Hall, W.D.M. et al., 1969. Report on Field Work in Exploration Licence 13/65, South-West Tasmania During 1967-1968 Field Season. Broken Hill Proprietary Company Ltd. TCR 69-0505.
- F. BROWN, A.V., CALVER, C.R., CORBETT, K.D., FORSYTH, S.M., GOSCOMBE, B.D., GREEN, D.R., MACLENNAN, M.P., PEMBERTON, J., SEYMOUR, D.B. (compilation) 1995. Geological Atlas 1:250 000 Digital Series, Geology of Southwest Tasmania. Mineral Resources Tasmania. (Endeavour East only).
- G. BRADBURY, J., PEMBERTON, J., VICARY, M.J. and CORBETT, K.D. 1992. Geology of the D'Agulhar Range area. Map 12. M Road Volcanics Project. Department of Mines, Tasmania. (Endeavour East only).
- H. VICARY, M.J., PEMBERTON, J., BRADBURY, J. and CORBETT, K.D. 1993. Geology of the Wandener River - Moores Valley area. Map 11. M Road Volcanics Project. Department of Mines, Tasmania. (Endeavour East only).

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

- I. Green, D.C. 2003. Ground truthing WTRMP geophysical interpretations south of Macquarie Harbour. Tasmanian Geological Survey record 2003/12. Mineral Resources Tasmania.
- J. CORBETT, K.D. 2004. Updating and revision of the 1:25 000 scale series geological maps covering the Mt Read Volcanic 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 3627 Endeavour. Mineral Resources Tasmania.

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Mineral Resources Tasmania.  
Website: www.mrt.tas.gov.au

GD494 - MGA Zone 55. Contour Interval: 20 metres.

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**LOCATION DIAGRAM**

**INDEX TO ADJOINING SHEETS**

WEST	3626	EAST	3628
NORTH	3627	SOUTH	3625

1:25 000 maps available.

**ENDEAVOUR WEST 3627**