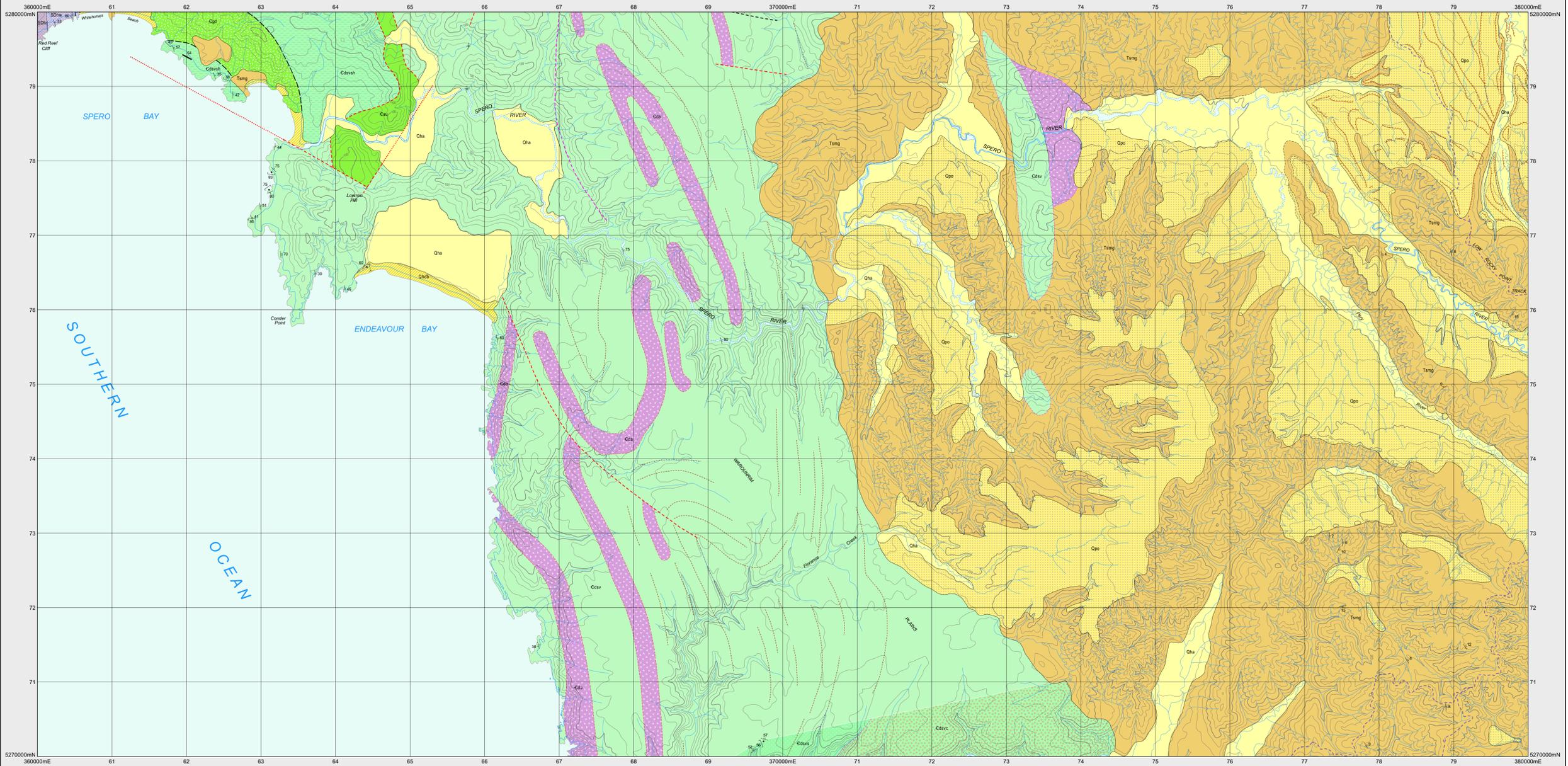


# ENDEAVOUR EAST

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



COMPOSITE LEGEND FOR ENDEAVOUR EAST AND ENDEAVOUR WEST

| PERIOD    | UNIT       | DESCRIPTION   |
|-----------|------------|---|
| CENOZOIC  | Quaternary | Qhdh Modern shore face and associated aeolian dune sand (Qhdh).   |
|           | Quaternary | Qha Alluvium and swamp deposits (Qha).  |
|           | Quaternary | Qpo Older alluvial gravels, mainly on raised terraces developed on Tertiary deposits, and showing a gradational relationship to younger alluvium (Qpo).   |
|           | Quaternary | Temp Erosional surface.   |
|           | Quaternary | Phh 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 (Temp).  |
| PALEOZOIC | Devonian   | Pih 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 Parmelee Supergroup). |
|           | Devonian   | SDhw Pale-weathering, cross-bedded, well-sorted marine quartz sandstone with minor siltstone and conglomerate; fossiliferous bed near top contains brachiopods, tentaculid and orthoconic cephalopods (SDhw). (Whitehorses Beach Sandstone).                  |
|           | Devonian   | SDhr 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 Cliff Sandstone).                                |
|           | Devonian   | SDhi Interbedded fossiliferous marine limestone and calcareous mudstone, abundant coral heads up to 0.5m in diameter (SDhi). (Point Hibbs Formation).   |

| PERIOD   | UNIT   | DESCRIPTION   |
|--|--|---|
| PALEOZOIC  | Ordovician   | Oi Dark grey limestone, dolomite, calcareous mudstone, minor quartz sandstone and black clay weathering products; in part fossiliferous (Oi).                                   |
|  | Ordovician   | Os Dominantly brown to red-weathering cross-bedded quartz sandstone with current ripples and bioturbation in some beds, and minor pebble conglomerate and siltstone (Os).       |
|  | Cambrian   | Cdsv Mixed sequence of volcano-sedimentary, sedimentary and volcanic rocks, ranging from felsic to andesitic in composition. May include non-volcanic sedimentary rocks (Cdsv). |
|  |  | Cdca Andesitic lavas and breccias and possible intrusives, typically pyroxene-plagioclase-phyric. Includes some units mapped from aeromagnetic signature (Cdca).                |
|  |  | Cdsvc Dominantly volcanoclastic conglomerate and lithic sandstone with interbedded siltstone and mudstone (Cdsvc).  |
| Cdsva Dominantly quartz-rich sandstone with interbedded siltstone and mudstone and minor conglomerate (Cdsva). |  |   |
| Cambrian   | Cdsvh Dominantly siltstone-mudstone sequence, grey to greenish-grey, thin-bedded, with subordinate thin-grained turbidite sandstone units (Cdsvh). |   |
|  | Pon Metamorphosed interbedded quartzwacke and mudstone/siltstone (Pon). (Correlate of Oonah Formation)   |   |

| PERIOD   | UNIT     | DESCRIPTION   |
|----------|----------|---|
| MESOZOIC | Jurassic | Jd Dolerite (Jd).   |
|          | Cambrian | Cda Andesitic lavas and possible intrusives (Cda).  |
|          | Cambrian | Egd Gabbro dykes, intrusive bodies and fault-bounded units (Egd).                                       |
|          | Cambrian | Esu Undifferentiated, generally coarse-grained ultramafic rocks, gabbro and sheared serpentinite (Esu). |

| CONTACTS   | FAULTS   | LINEARS  |
|--|--|--|
| Geological contact   | Fault  | Scarp  |
| Geological contact - inferred                                  | Fault - inferred                               | Lithological trend line, including bedding trace interpreted from aerial photographs |
| Geological contact - inferred from magnetic data               | Fault - concealed                              |  |
| Geological contact - inferred from radiometric data            | Fault - inferred from magnetic data            |  |
| Limit of mapping of sub-unit within undifferentiated rock unit | Fault - concealed, inferred from magnetic data |  |
| Limit of detailed mapping                                      | Fault - inferred from radiometric data         |  |

| SYMBOL | DESCRIPTION   |
|--------|---|
| ↘ / ↙  | Strike and dip of bedding, facing known - right way up; overturned.   |
| ↘ / ↙  | Strike and dip of bedding, facing unknown - dipping, vertical.  |
| ↘ / ↙  | Strike and dip of cleavage, type and relative age unspecified - dipping, vertical.  |
| ↘ / ↙  | Trend and plunge of lineation of minor fold, relative local age F <sub>1</sub> , with dip and dip direction of axial surface indicated. |
| ↘ / ↙  | Strike and dip of crenulation cleavage.   |
| ↘ / ↙  | Strike and dip of outcrop-scale fault.  |
| •      | Field station for adjacent readings on the map.   |



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. McCleughan, 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 69-0556.

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. (compilers) 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. Mt Read 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 Wanders River - Moores Valley area. Map 11. Mt Read 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 Volcanics belt in western and northwestern Tasmania. Tasmanian Geological Survey Record 2004/03. Mineral Resources Tasmania.

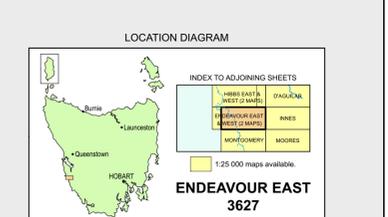
REFERENCE THIS MAP AS:  
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Map produced by Spatial Information Services, Mineral Resources Tasmania.

Website: www.mrt.tas.gov.au

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



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