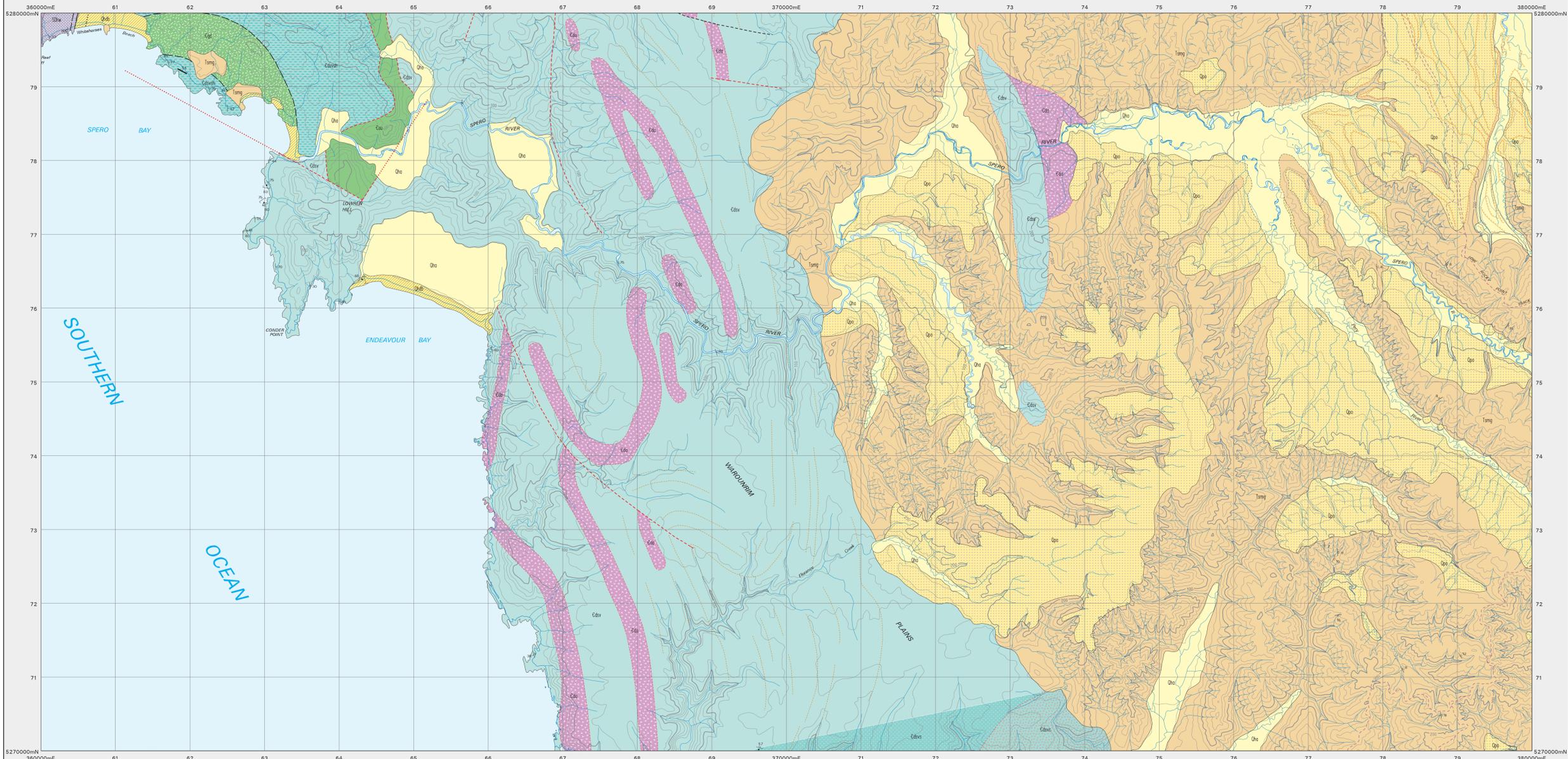
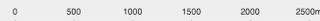


ENDEAVOUR EAST

Scale: 1:25 000



COMPOSITE LEGEND FOR ENDEAVOUR EAST AND ENDEAVOUR WEST

PERIOD	UNIT	DESCRIPTION
CENOZOIC	Quaternary	Qhb: Modern shore face and associated aeolian dune sand (Qhb).
	Quaternary	Qha: Alluvium and swamp deposits (Qha).
	Quaternary	Qpa: Older alluvial gravels, mainly on raised terraces developed on tertiary deposits, and showing a gradational relationship to younger alluvium (Qpa).
	Quaternary	Tsmg: Erosional surface.
Tertiary	Pli:	Semi-consolidated interbedded sands, pebble-cobble gravels (up to boulder grade in some places), silts and clays; some horizons contain coalified wood and rare amber (Tsmg).
	Pli:	Angular unconformity.
	Pli:	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 (Pli). (Correlate of Lower Parmeener Supergroup).
PALAEOZOIC	SDm:	Angular unconformity due to Middle Devonian polyphase orogeny.
	SDm:	Pale-weathering, cross-bedded, well-sorted marine quartz sandstone with minor siltstone and conglomerate; fossiliferous bed near top contains brachiopods, tentaculids and orthoconic cephalopods (SDm). (Whitewhorse Beach Sandstone).
	SDv:	Unfossiliferous reddish sequence of predominantly fine-grained lithic sandstone with subordinate coarse lithic sandstone and lithic conglomerate, arranged in rising-upward sequences (SDv). (Red Reef Cliff Siltstone).
	SDh:	Interbedded fossiliferous marine limestone and calcareous mudstone, with abundant coral heads up to 0.5m in diameter (SDh). (Point Hibbs Formation).
		Possible disconformity.
PALAEOZOIC	OP:	Dark grey limestone, dolomite, calcareous mudstone, minor quartz sandstone and black clay weathering products; in part fossiliferous (Op).
	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).
	Cdv:	Inferred unconformity.
	Cdv:	Mixed sequence of volcano-sedimentary, sedimentary and volcanic rocks, ranging from felsic to andesitic in composition. May include non-volcanic sedimentary rocks (Cdv).
PALAEOZOIC	Cdv:	Andesitic lavas and breccias and possible intrusives, typically pyroxene-plagioclase-phyric. Includes some units mapped from aeromagnetic signature (Cdv).
	Cdv:	Dominantly volcanoclastic conglomerate and lithic sandstone with interbedded siltstone and mudstone (Cdv).
	Cdv:	Dominantly volcanoclastic sandstone with interbedded siltstone and mudstone and minor conglomerate (Cdv).
	Cdv:	Dominantly siltstone-mudstone sequence, grey to greenish-grey, thin-bedded, with subordinate thin graded turbidite sandstone units (Cdv).
PALAEOZOIC	Pon:	Inferred erosional surface.
	Pon:	Metamorphosed interbedded quartzite and mudstone/siltstone (Pon). (Correlate of Donoh Formation).

INTRUSIVE ROCKS

PERIOD	UNIT	DESCRIPTION
JURASSIC	Jd:	Dolerite (Jd).
PALAEOZOIC	Edp:	Andesitic lavas and possible intrusives (Edp).
	Edp:	Gabbro dykes, intrusive bodies and fault-bounded units (Edp).
PALAEOZOIC	Esu:	Undifferentiated, generally coarse-grained ultramafic rocks, gabbro and sheared serpentinite (Esu).
	Esu:	Gabbro dykes, intrusive bodies and fault-bounded units (Edp).

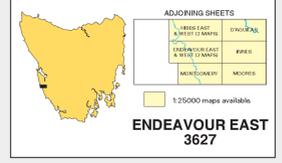
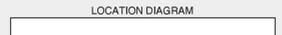
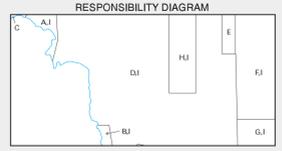
SYMBOL	DESCRIPTION
↘ ↙	Strike and dip of bedding, facing known - right way up; overturned.
↘ ↙	Strike and dip of bedding, facing unknown - dipping vertical.
↘ ↙	Strike and dip of cleavage, type and relative age unspecified - dipping vertical.
↘ ↙	Trend and plunge of hinge line of minor fold, relative local age F2, 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.
⊗	Mineral deposit location - hardrock - Data derived from Mineral Resources Tasmania (MRT) data base. Data point position has not been verified in every case.

SYMBOL	DESCRIPTION
—	Geological boundary - position accurate or approximate.
- - -	Geological boundary - inferred.
⋯	Geological boundary inferred from airborne magnetic and/or radiometric data.
---	Fault - unspecified type, position accurate or approximate.
---	Fault - unspecified type, inferred.
⋯	Fault - unspecified type, concealed.
⋯	Fault - unspecified type, inferred from aeromagnetic data.
⋯	Fault - unspecified type, concealed, inferred from aeromagnetic data.
⋯	Lithological trend line.
⋯	Scarp.
⋯	Thrust Fault (teeth on upper plate) inferred.
⋯	Limit of mapping of sub-unit within undifferentiated rock unit.

Compiled by D.B. Seymour, B.Sc. (Hons), Ph.D. and D. Green, 2000 from the following sources (see Responsibility Diagram):
A. Unpublished mapping by M.F. McClenaghan, 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., 1989-90.
D. New aeromagnetic and alpha photo interpretation, with additional information from BHP Co. Ltd. Exploration Dept. 1989. 1:50,000 Geological Map - Point Hibbs (Double Cove & Hibbs Belts), EL 13,65 Southwest Tasmania.
E. 1:250000 Geological series, Southwest Tasmania (Endeavour East only).
F. Bradbury, J., Penhellen, J., Vigney, M.J. & Corbett, K.D. 1992. Geology of the Warrumbungler Range area. Mt Head Volcanic Project, Map 12. (Endeavour East only).
G. Vigney, M.J., Penhellen, J., Bradbury, J. & Corbett, K.D. 1992. Geology of the Warrumbungler Range - Moores Valley area. Mt Head Volcanic Project, Map 11. (Endeavour East only).
H. Green, D.C. 2003. Ground truthing WTRMP geophysical interpretations south of Macquarie Harbour. Tasmanian Geological Survey record 2003/12. Mineral Resources Tasmania.
I. Updated by K.D. Corbett, 2004 as part of the Western Tasmanian Regional Minerals Program.

Digital base information from Information and Land Services Division, Department of Primary Industries, Water and Environment.

Map produced by the Data Management Branch of Mineral Resources Tasmania using G.I.S. software. ACTS/IS - AMIS Core G.S. - Geosour Internal 2D metres.



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