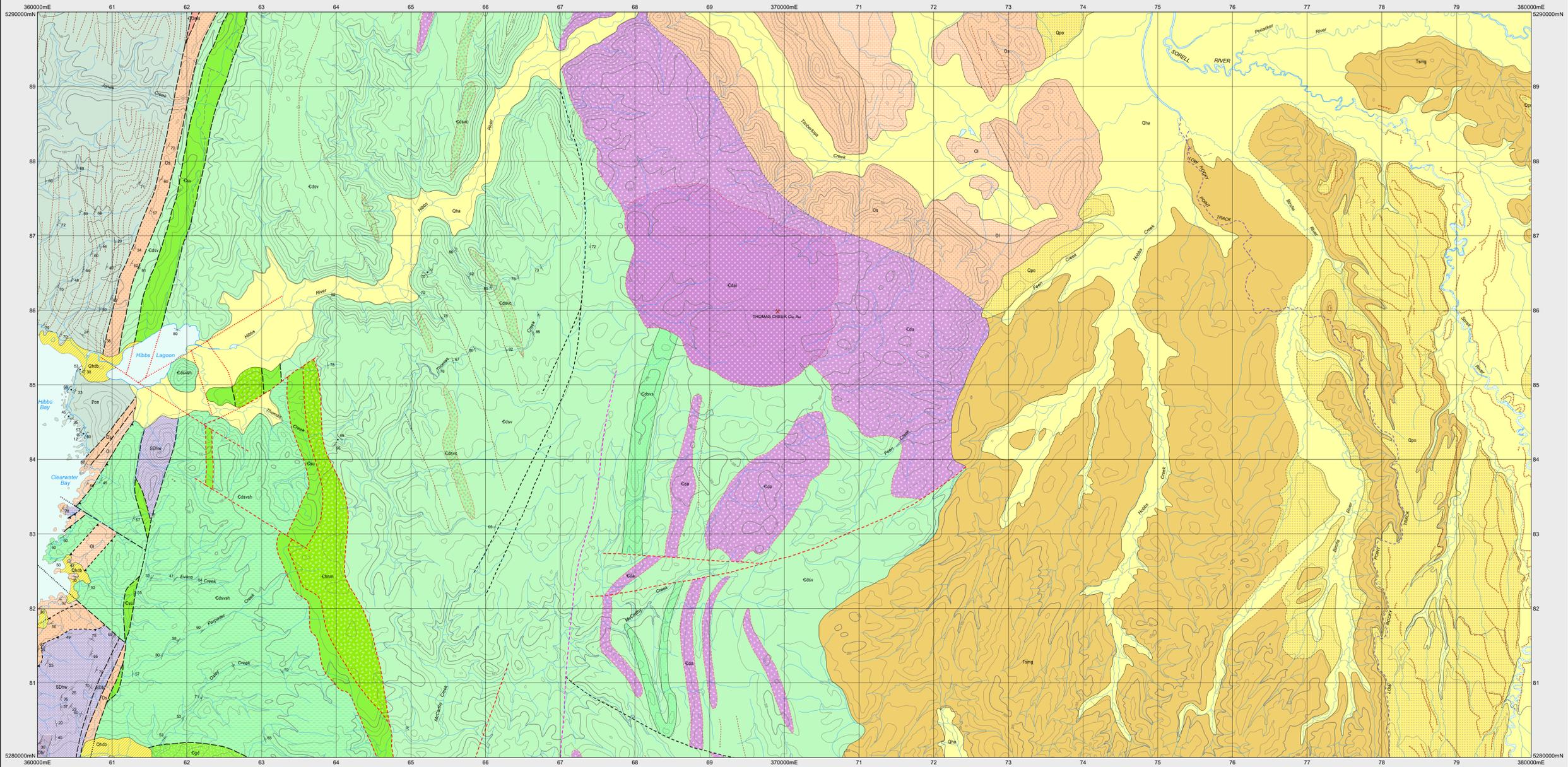


# HIBBS EAST

Scale 1:25 000



COMPOSITE LEGEND FOR HIBBS EAST AND HIBBS WEST

CENOZOIC	
QUATERNARY	<p><b>Qhdb</b> Modern shore face and associated aeolian dune sand (Qhdb).</p> <p><b>Qha</b> Stream alluvium, marsh 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>Tsmg</b> Semi-consolidated interbedded sands, pebble-cobble gravels (up to boulder grade in some places), silt and clays, some horizons contain coalified wood and rare amber (Tsmg).</p>
PALEOZOIC	<p><b>Pth</b> Marine sequence of grey, poorly sorted polymict cobble-pebble lithic conglomerate, pebbly lithic sandstone, siltstone, calcareous mudstone and limestone, with abundant marine microfossils in some beds (Pth). (Correlate of lower Permian Supergroup).</p> <p><b>SDwh</b> Pale-weathering, cross-bedded, well-sorted marine quartz sandstone with minor siltstone and conglomerate, fossiliferous bed near top contains brachiopods, tentaculid and orthocone cephalopods (SDwh). (Whitehouse Beach Sandstone).</p> <p><b>SDir</b> Unfossiliferous red bed sequence of predominantly fine-grained lithic sandstone with subordinate coarse lithic sandstone and lithic conglomerate, arranged in fining-upward sequences (SDir). (Red Reef Cliff Sandstone).</p> <p><b>SDni</b> Interbedded fossiliferous marine limestone and calcareous mudstone, with abundant coral heads up to 0.5m in diameter (SDni). (Point Hibbs Formation).</p> <p>Possible disconformity.</p>

PALEOZOIC	
ORDOVICIAN	<p><b>Or</b> Dark grey limestone, dolomite, calcareous mudstone, minor quartz sandstone and black clay weathering products; in part fossiliferous (Or).</p> <p><b>Os</b> Grey to pink or reddish siliceous sandstone with subordinate granule-pebble conglomerate and minor siltstone; cross-bedded in places, subvertical in places. Ostracoon fossils at 387 412mE S 296 083mN north of this map sheet. Includes distinctive red cross-bedded sandstone sequence at Point Hibbs (Os).</p> <p><b>OCms</b> Marine mudstone-siltstone-sandstone sequence, grey to reddish-grey, with Late Cambrian fossils at 364 612mE S 298 383mN north of this map sheet (OCms).</p> <p>Unconformity.</p>
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, with volcanoclastic units and possible intrusives. Typically plagioclase-pyroxene-phylic. Includes some units mapped from aeromagnetic signature (Cda).</p> <p><b>Cdsv</b> Dominantly volcanoclastic conglomerate-sandstone unit, typically felsic, with weakly positive magnetic character (Cdsv).</p> <p><b>Cdsv</b> Ridge-forming, probable sandstone units, typically non-magnetic (Cdsv).</p> <p><b>Cdsvh</b> Dominantly siltstone-mudstone sequence, grey to greenish-grey, thin-bedded, with subordinate thin graded turbidite sandstone units (Cdsvh).</p> <p>Inferred erosional surface.</p> <p><b>Cdsv</b> Dominantly intermediate volcanic rocks, including probable high-Mg andesites, and gabbro. Probably structurally emplaced (Cdvh).</p> <p><b>Csu</b> Undifferentiated, generally coarse-grained ultramafic rocks, gabbro and sheared serpentinite (Csu).</p> <p><b>En</b> Metamorphosed interbedded quartzwacke and mudstone/siltstone (En). Correlate of Onah Formation.</p>

MESOZOIC	
JURASSIC	<p><b>Jd</b> Dolomite (Jd).</p>
CAMBRIAN	<p><b>Cdsv</b> Andesitic intrusive rocks, including plagioclase-pyroxene-phylic diorite and granodiorite (Cda).</p> <p><b>Cda</b> Andesitic lavas and breccias and possible intrusives (Cda).</p> <p><b>Cgd</b> Gabbro dykes, intrusive bodies and fault bounded units (Cgd).</p> <p><b>Cdsv</b> Dominantly intermediate volcanic rocks and gabbro, including probable high-Mg andesites (Cdvh).</p> <p><b>Csu</b> Undifferentiated, generally coarse-grained ultramafic rocks, gabbro and sheared serpentinite (Csu).</p>

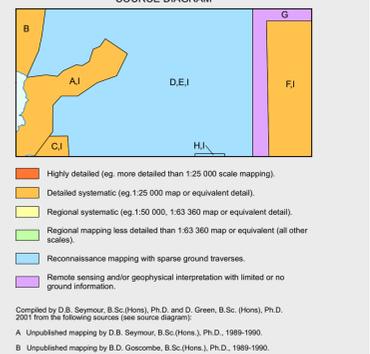
CONTACTS	
Geological contact	—
Geological contact - inferred	- - -
Geological contact - inferred from magnetic data	.....
Geological contact - inferred from radiometric data	.....
Limit of mapping of sub-unit within undifferentiated rock unit	.....
Limit of detailed mapping	.....

FAULTS	
Fault	—
Fault - inferred	- - -
Fault - concealed	.....
Fault - inferred from magnetic data	.....
Fault - concealed, inferred from magnetic data	.....
Fault - inferred from radiometric data	.....
Thrust fault (teeth on upper plate)	.....
Thrust fault (teeth on upper plate) - inferred	.....

LINEARS	
Scarp	.....
Lithological trend line, including bedding trace interpreted from aerial photographs	.....



REFERENCE THIS MAP AS:  
SEYMOUR, D.B. and GREEN, D. (compilers) 2004. Digital Geological Atlas 1:25 000 Scale Series. Sheet 3628 Hibbs. Mineral Resources Tasmania.  
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Website: www.mrt.tas.gov.au  
GD494 - MGA Zone 55. Contour Interval: 20 metres.

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