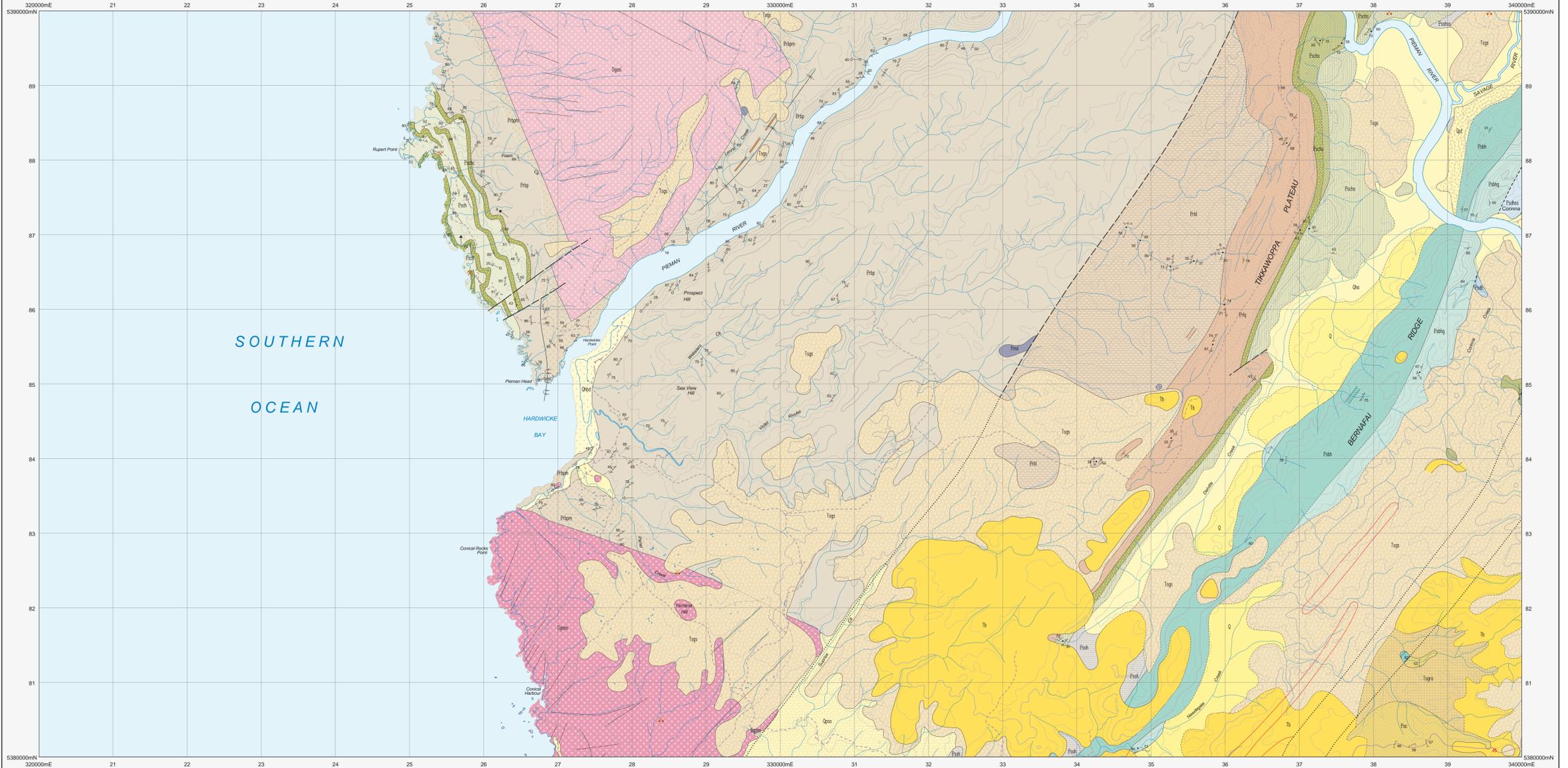


HARDWICKE

Scale: 1:25 000



CENOZOIC	
QUATERNARY	<p>Qha Stream alluvium, swamp and marsh deposits (Qha).</p> <p>Qhba Younger active dunes, beach sand and beach gravel (Qhba).</p> <p>Qpno Older aeolian sand and sand dunes (Qpno).</p> <p>Qpt Undifferentiated Pleistocene talus and scree deposits (Qpt).</p>
PALEOGENE - NEOGENE	<p>Tago Interbedded siliceous gravel, quartz sand and clay (Tago).</p> <p>Tb Basalt (Tb).</p> <p>Tagra Minor gravel with lag of gravel and bedrock derived vein quartz (Tagra).</p>
NEOPTEROZOIC	<p>Pac Interbedded green to grey phyllite and fine-grained schist, usually comprising muscovite and quartz, with trace to dominant chlorite, albite and dolomite, containing scattered thin layers of calcitic amphibole (Pac).</p> <p>Pash Grey slaty pelitic siltstone with minor bedded chert and thin interlayers of silicified calcitic carbonate (Pash).</p> <p>Pashs Pale grey and cream, fine-grained dolomite (Pash).</p>

NEOPTEROZOIC	
BERNIAL VOLCANICS	<p>Pbsh Interbedded metamorphosed basalt, basaltic tuff, slaty to phyllitic siltstone, quartzite and minor dolomite (Pbsh).</p> <p>Pbshh Interbedded slaty or phyllitic to relatively massive, green to grey, lufuaceous and pelitic, chlorite metasilstone with minor fine-grained foliated metamorphosed basalt and basaltic wacke (Pbshh).</p> <p>Pbshg Dominantly grey lufuaceous and pelitic metasilstone (Pbshg).</p> <p>Pbshd Dolomite (Pbshd).</p>
SAVAGE DOLOMITE	<p>Pash Pale grey and cream, fine-grained dolomite, locally calcitic, with stratolites, or interbedded with richly carbonaceous siltstone (Pash).</p> <p>Pashs Mainly lag of silicification products of dolomite (Pash), including silica flour, commonly obscured by tertiary derived slope wash deposits (Pashs).</p>
DOMALUSSEN FORMATION	<p>Pashc Grey slaty pelitic siltstone with minor bedded chert and thin interlayers of silicified calcitic carbonate (Pashc).</p> <p>Pashh Micaceous quartzwacke in graded beds with interlayered slaty, locally pelitic siltstone and muscovite (Pashh).</p> <p>Pashg Poorly sorted conglomerate, with well sorted conglomerate and sandstone near base (Pashg).</p>
ARRBERG GROUP	<p>Ershp Slaty to relatively massive grey-green to grey chloritic planar bedded siltstone interbedded with thin, commonly micaceous, graded beds of siltstone with sandstone on scoured bases (Ershp). Locally normally metamorphosed to spotted and banded marble (Ershp).</p> <p>Ersh Siliceous (pale grey) to carbonaceous (dark grey) siltstone, commonly with small scale trough cross stratification (Ersh).</p> <p>Ershg Common to dominant micaceous quartz sandstone and cross-bedded orthoquartzite with siltstone (Ershg).</p>

INTRUSIVE ROCKS	
QUATERNARY	<p>qv Quartz vein (qv).</p>
PALEOZOIC	<p>Dgsl Medium to coarse-grained, generally equigranular biotite-muscovite-bearing megacrystic gneiss, with minor cordierite and rare garnet, and aligned K-feldspar megacrysts in some places (Intermediate Granite; S-type) (Dgsl).</p> <p>Dgslp Coarse-grained, equigranular to porphyritic (K-feldspar) biotite-muscovite-bearing syenogranite/megacrystic, with common tourmaline nodules (Central Rocks Granite; S-type) (Dgslp).</p>
DEVONIAN	<p>Ermd Dolerite dykes (Ermd).</p> <p>Erms Quartz bearing dolerite (Erms).</p>
<p>Geological boundary - position approximate</p> <p>Geological boundary - position inferred</p> <p>Geological boundary - position concealed</p> <p>Fault - position approximate</p> <p>Fault - position concealed</p> <p>Lineament visible in aerial photographs</p> <p>Lineament visible in airborne magnetic data</p> <p>Axial surface trace of major synform</p> <p>Axial surface trace of major overturned synform</p> <p>Limit of mapping</p> <p>Limit of mapping of soil-well with undifferentiated rock units (white line)</p>	

✓	Dip of geological contact of unspecified type.
✓	Strike and dip of bedding, right way up.
✓	Strike and dip of bedding, facing unknown.
✓	Strike and dip of bedding, overturned.
✓	Strike and dip of cleavage, type and relative age unspecified - dipping, vertical.
✓	Strike and dip of crenulation cleavage - dipping, vertical.
✓	Strike and dip of cleavage, relative local age S1 - dipping, vertical.
✓	Trend and plunge of minor fold hinge line, unspecified relative age, with dip and dip direction of axial surface.
✓	Trend and plunge of minor fold hinge line, relative local age F1, F2.
✓	Trend and plunge of bedding/primary cleavage intersection lineation (L1).
•	Field station for adjacent readings on the map.
✗	Mineral deposit location - hardrock
✗	Mineral deposit location - alluvial/alluvial
✗	Construction material/industrial mineral/gemstone location

Compiled by M.J. Vicary, 2004 as part of the Victorian Regional Minerals Program from the following sources (See Responsibility Diagram)

A GEE, R.D., GULLINE, A.B., BRAVO, A.P., LEGGIE, P.J. and GROVES, D.I. 1968 Geographical Atlas 1 mile series, Zone 7 Sheet 42 (7914N) Piemont Plateau, Tasmania Department of Mines.

B TURNER, N.J., BROWN, A.V., MCCLELLAN, M.P. and SOETRISNO, I. 1991 Geological Atlas 1:50000 series, Sheet 43 (7914N) Coleson, Tasmania Department of Mines.

C Air photograph and WTRMP geophysical data interpretation by M. Vicary.

REFERENCE THIS MAP AS:

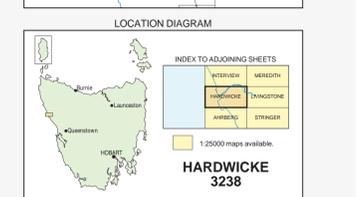
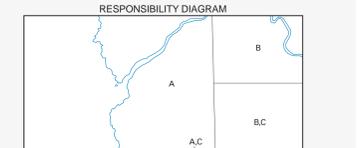
VICARY, M.J. (compiler) 2004. Digital Geological Atlas 1:25 000 Scale Series, Sheet 3238 Hardwicke, Mineral Resources Tasmania.

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GDAS4 - MGA Zone 55. Contour Interval: 20 metres.

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INDEX TO ADJOINING SHEETS

WESTERN	NORTHERN
HARDWICKE	TANKSTONE
ARRBERG	STRONGER

1:25000 maps available.

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