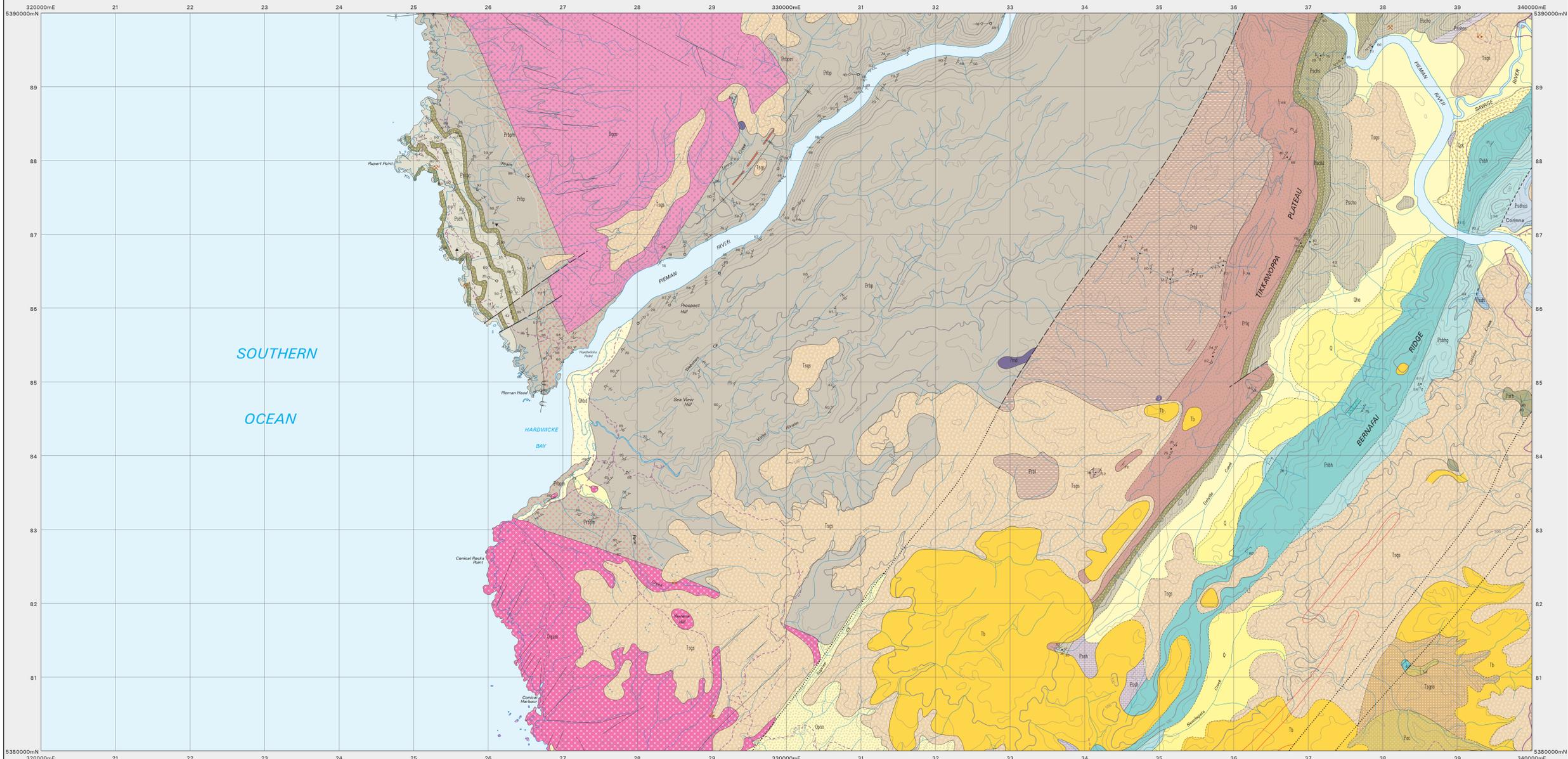


# HARDWICKE

Scale: 1:25 000



PERIOD	SUBPERIOD	CENOZOIC	
		QUATERNARY	MIOCENE
CENOZOIC	FLUVESTINE	Qha	Stream alluvium, swamp and marsh deposits (Qha).
		Qhbd	Younger active dunes, beach sand and beach gravel (Qhbd).
		Qpsa	Older aeolian sand and sand dunes (Qpsa).
TERTIARY	TASMANIAN	Tsga	Minor gravel with lag of gravel and bedrock derived vein quartz (Tsga).
		Tb	Basalt (Tb).
PROTEROZOIC	NEOPROTEROZOIC	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 actinolitic amphibole (Pac).
		Parh	Grey slaty pelitic siltstone with minor banded chert and thin interlayers of silicified calcic carbonate (Parh).
		Pash	Pale grey and cream, fine-grained dolomite (Pash).
		Pshas	Mainly lag of silicification products of dolomite (Psh), including silica flour, commonly obscured by Tertiary derived slope wash deposits (Pshas).

PERIOD	SUBPERIOD	PROTEROZOIC	
		NEOPROTEROZOIC	PALEOZOIC
PROTEROZOIC	NEOPROTEROZOIC	Pshb	Interbedded metamorphosed basalt, basaltic tuff, silty to phyllitic siltstone, quartzite and minor dolomite (Pshb).
		Pshg	Interbedded slaty or phyllitic to relatively massive, green to grey, tuffaceous and pelitic, chlorite metasilicates with minor fine-grained foliated metamorphosed basalt and basaltic wacke (Pshg).
		Pshq	Dominantly grey tuffaceous and pelitic metasilicate (Pshq).
		Pshd	Dolomite (Pshd).
PROTEROZOIC	PALEOZOIC	Psh	Pale grey and cream, fine-grained dolomite, locally oolitic, with stromatolites, or interbedded with rocky carbonaceous siltstone (Psh).
		Pshas	Mainly lag of silicification products of dolomite (Psh), including silica flour, commonly obscured by Tertiary derived slope wash deposits (Pshas).
		Pshc	Grey slaty pelitic siltstone with minor banded chert and thin interlayers of silicified calcic carbonate (Pshc).
		Pshd	Micaceous quartzite in graded beds with interlayered slaty, locally pelitic siltstone and mudstone (Pshc).
PROTEROZOIC	NEOPROTEROZOIC	Pshg	Poorly sorted conglomerate, with well sorted conglomerate and sandstone near base (Pshg).
		Pshh	Inferred angular unconformity.
		Pshb	Slaty to relatively massive grey-green to grey chloritic planar bedded siltstone interbedded with thin, commonly lenticular, graded beds of siltstone with sandstone on scoured bases (Pshb), locally thermally metamorphosed to spotted and banded hornfels (Pshb).
		Pshc	Siliceous (pale grey) to carbonaceous (dark grey) siltstone, commonly with small scale trough cross lamination (Pshc).
PROTEROZOIC	NEOPROTEROZOIC	Pshd	Common to dominant micaceous quartz sandstone and cross-bedded oolitic siltstone with siltstone (Pshd).

PERIOD	SUBPERIOD	INTRUSIVE ROCKS	
		PALEOZOIC	DEVONIAN
PROTEROZOIC	NEOPROTEROZOIC	qv	Quartz vein (qv).
		Dgpr	Undifferentiated alkali-felspar granite/granite/diorite (S type) (Dgpr).
PROTEROZOIC	NEOPROTEROZOIC	Dgpr	Dominantly adamellite/granite (S type) (Dgpr).
		Dm	Dolerite dykes (Dm).
PROTEROZOIC	NEOPROTEROZOIC	Dm	Quartz bearing dolerite (Dm).

SYMBOL	DESCRIPTION
↘	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 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. Data derived from Mineral Resources Tasmania DEPOSITS data base. Data point position has not been verified in every case.
⊙	Mineral deposit location - alluvial. Data derived from Mineral Resources Tasmania DEPOSITS data base. Data point position has not been verified in every case.
⊕	Construction materials location - Data derived from Mineral Resources Tasmania DEPOSITS data base. Data point position has not been verified in every case.
—	Geological boundary - position approximate
- - -	Geological boundary - position inferred
⋯	Geological boundary - position concealed
- - -	Fault - position approximate
- - -	Fault - position inferred
⋯	Fault - position concealed
—	Lineament visible on aerial photographs
—	Lineament visible in airborne magnetic data
—	Axial surface trace of major synform
—	Axial surface trace of major overturned synform
(white line)	Limit of mapping of sub-unit within undifferentiated rock units.

Compiled by M.J. Vear, 2004 as part of the Western Tasmanian Regional Minerals Program, from the following sources (See Responsibility Diagram):

A. GIBB, R.D., GULLINE, A.B., BRADY, A.P., LESGRO, P.J. and GROVES, D.I. 1978 Geological atlas 1 mile series (Zone 7 Sheet No. 42 761M) - Pieman Head, Geological Survey of Tasmania.

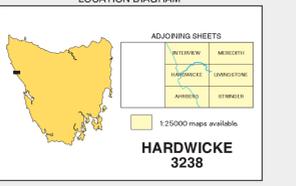
B. TURNER, N.J., EDWARDS, A.V., McCLENNAGHAN, M.P. and SCOTCHDOPOLE, I. 1991 Geological atlas 1:50000 series (Sheet 7814M) - Corinna, Geological Survey of Tasmania.

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

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.

ACTDIB - AMIS Zone 55. Contour Interval: 20 metres.



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