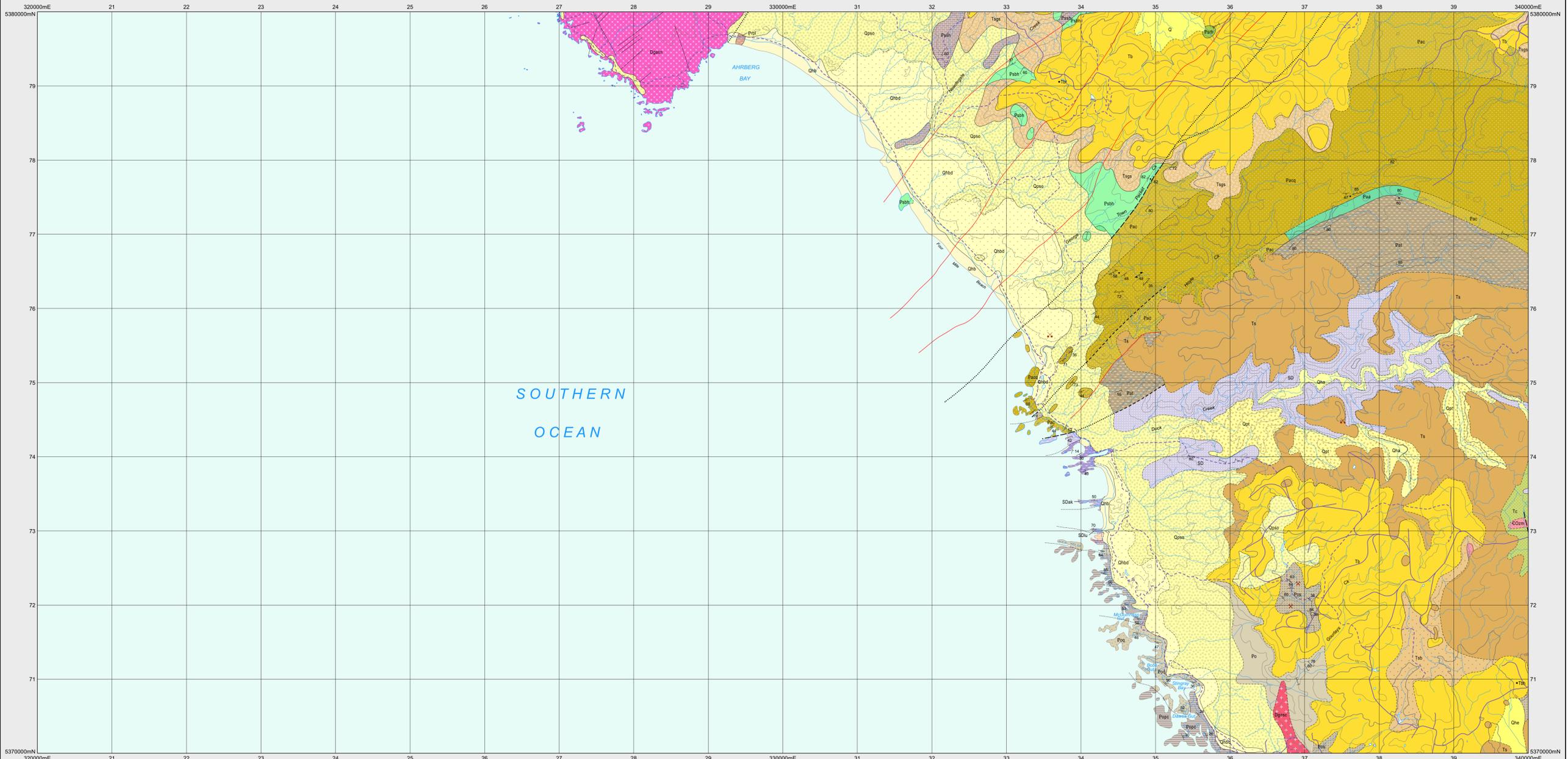


# AHRBERG

Scale 1:25 000



PERIOD	UNIT	DESCRIPTION	
CENOZOIC	QUATERNARY	Oha: Undifferentiated Quaternary sediments (Q). Stream alluvium, swamp and marsh deposits (Oha).	
		Ohe: Eluvium (Ohe).	
		Qhb: Beach sand (Qhb).	
		Qhbd: Younger active dune, beach sand and beach gravel (Qhbd).	
		Qpsd: Older aeolian sand and sand dunes (Qpsd).	
	PLEISTOCENE	Qpt: Undifferentiated Pleistocene talus and scree deposits (Qpt).	
		PALEOCENE - NEOGENE	Ts: Dominantly non-marine sequences of gravel, sand, silt, clay and regolith (Ts).
			Tsgs: Interbedded siliceous gravel, quartz sand and clay (Tsgs).
			Tb: Basalt (Tb), including local occurrence of transitional olivine basalt (Tbr) at 333710mE, 5379500mN and hawesite (Tbh) at 339850mE, 5379850mN.
			Tbh: Sand and clay with basalt boulders (Tbh).
Tc: Conglomerate, gravel and grit (Tc).			
PALEOZOIC	ELDON GROUP	SDh: Shallow marine quartz sandstone, siltstone and shale (Eldon Group correlates) (SDh). Gray or greenish grey interbedded laminated mudstone, siltstone and minor fine-grained quartz sandstone (Bel Shale and correlates) (SDh).	
		SDf: Generally pale grey, fine-grained quartz sandstone with subordinate interbedded greenish grey siltstone (Florence Sandstone) (SDf).	
	BRYAN VICIAN SILVERAN DEVONIAN	SD: Pale grey to white generally fine-grained quartz sandstone (Kell Quartzite and correlates) (SDa).	
		SDlu: Undifferentiated sandstone-mudstone-minor limestone sequence (comprises of Chilly and Amber Formations) (SDlu).	
		Oi: Dark grey carbonate rocks, calcareous mudstone, minor quartz sandstone and black clay weathering products. In part fossiliferous (correlate of Gordon Limestone) (Oi).	
COzn: White, dominantly quartz-pebble conglomerate, quartz sandstone and minor shale (correlate of Mt Zuelten Conglomerate and Moira Sandstone) (COzn).			

PERIOD	UNIT	DESCRIPTION
NEOPROTEROZOIC	CONANT FORMATION	Poqc: Undifferentiated Conant Formation. Dominantly quartzwacke turbidites (Po). Calcareous quartzite (Poqc).
		Poq: Quartzwacke, with coarse detrital muscovite, interbedded siltstone, mudstone, dolomite and minor conglomerate (Poq).
		Pps: Pale weathering siltstone and shale (Pps).
		Ppsb: Black pyritic carbonaceous shale (Ppsb).
		Pat: Transitional metamorphic boundary.
	TIMES GROUP	Pac: Micaceous quartz schist with locally preserved graded beds, interlayered with grey and green, pelitic phyllite and minor fine-grained schist (correlate of Keith Schist) (Pac).
		Pacq: Interbedded green to gray 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 (Pacq).
		Pca: Interbedded phyllite, fine-grained schist and minor actinolitic amphibole, with micaceous quartz schist and relatively minor porphyroblastic schist (Pca).
		Psa: Dominant to common layers of foliated, fine to rarely coarse-grained, occasionally chloritoid, hornblende, subalkaline amphibole with common magnetite, usually interlayered with chloritic phyllite and schist (Psa).
		Psh: Faulted contact with Pshb.
AHRBERG GROUP	Psh: Grey staly pelitic siltstone with minor banded chert and thin interlayers of silicified oolitic carbonate (Psh).	
	Pshb: Interbedded metamorphosed basalt, basaltwacke, silty to phyllitic siltstone, quartzite and minor dolomite (Pshb).	
	Pshq: Micaceous quartzwacke and pelitic siltstone (Pshq).	
	Pshd: Pale grey and cream, fine-grained dolomite, locally collic, with stromatolites, or interbedded with richly carbonaceous siltstone (Pshd).	
	Pshu: Inferred angular unconformity.	
RICHMOND GROUP	Psh: Siliceous (pale grey) to carbonaceous (dark grey) siltstone, commonly with small scale trough cross lamination (Psh).	

### INTRUSIVE ROCKS

Dgsc	Dominantly coarse grained, equigranular leucocratic biotite-bearing alkali feldspar granite/pegmatite, with sparse to common patches and nodules of quartz and tourmaline (Dgsc).
Dgsn	Coarse-grained, equigranular to porphyritic (K-feldspar) biotite-muscovite-bearing syenogranite/monzogranite, with common tourmaline nodules (Conical Rock Granite; S-type) (Dgsn).

### CONTACTS

- Geological contact.
- Geological contact - inferred.
- Geological contact - inferred from magnetic data.
- Transitional geological contact.
- Limit of mapping of sub-unit within undifferentiated rock unit.
- Limit of detailed mapping.

### FAULTS

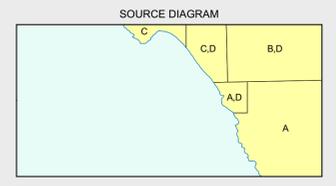
- Fault.
- Fault - inferred.
- Fault - concealed.

### LINEARS

- Subsurface geological boundary projected to surface.
- Lineament - visible on aerial photographs.
- Lineament - visible in magnetic data.

### INTRUSIVE ROCKS (continued)

- Strike and dip of bedding, right way up.
- Strike and dip of bedding, facing unknown.
- Strike and dip of cleavage, type and relative age unspecified - dipping vertical.
- Strike and dip of crenulation cleavage.
- Strike and dip of cleavage, relative local age S<sub>1</sub>.
- Strike and dip of cleavage, relative local age S<sub>2</sub>.
- Strike and dip of kink band - movement sense unspecified.
- Field station for adjacent readings on the map.
- Notable small outcrop with rock unit indicated.
- Mineral deposit location - hardrock.
- Mineral deposit location - alluvial/tailings.



Compiled by M.J. Vicary, B.Sc.(Hons), 2004 as part of the Western Tasmanian Regional Minerals Program, from the following sources (see source diagram):  
A. BROWN, A.V., FINDLAY, R.H., GOSCOMBE, B.D., MCLENNAGHAN, M.P. and SEYMOUR, D.B. 1994. Geological Atlas 1:50 000 Series, Sheet 50 (7145), Zeehan. Tasmania Department of Mines.  
B. TURNER, N.J., BROWN, A.V., MCLENNAGHAN, M.P. and SOETRISNO, I. 1991. Geological Atlas 1:50 000 Series, Sheet 43 (7145), Zeehan. Tasmania Department of Mines.  
C. GEE, R.D., GULLINE, A.B., BRAVO, A.P., LEGGE, P.J. and GROVES, D.I. 1989. Geological Atlas 1:50 000 Series, Zone 7 Sheet 42 (7144), Pieman Heads. Tasmania Department of Mines.  
D. VICARY, M.J. 2005. Additional map compilation and review of existing maps in western Tasmania. Tasmanian Geological Survey Record 020005. Mineral Resources Tasmania.

### REFERENCE THIS MAP AS:

VICARY, M.J. (compiler) 2004. Digital Geological Atlas 1:25 000 Scale Series, Sheet 3237 Ahrberg, Mineral Resources Tasmania.

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Website: www.mrt.tas.gov.au  
GDA94 - MGA Zone 55. Contour Interval: 20 metres.

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