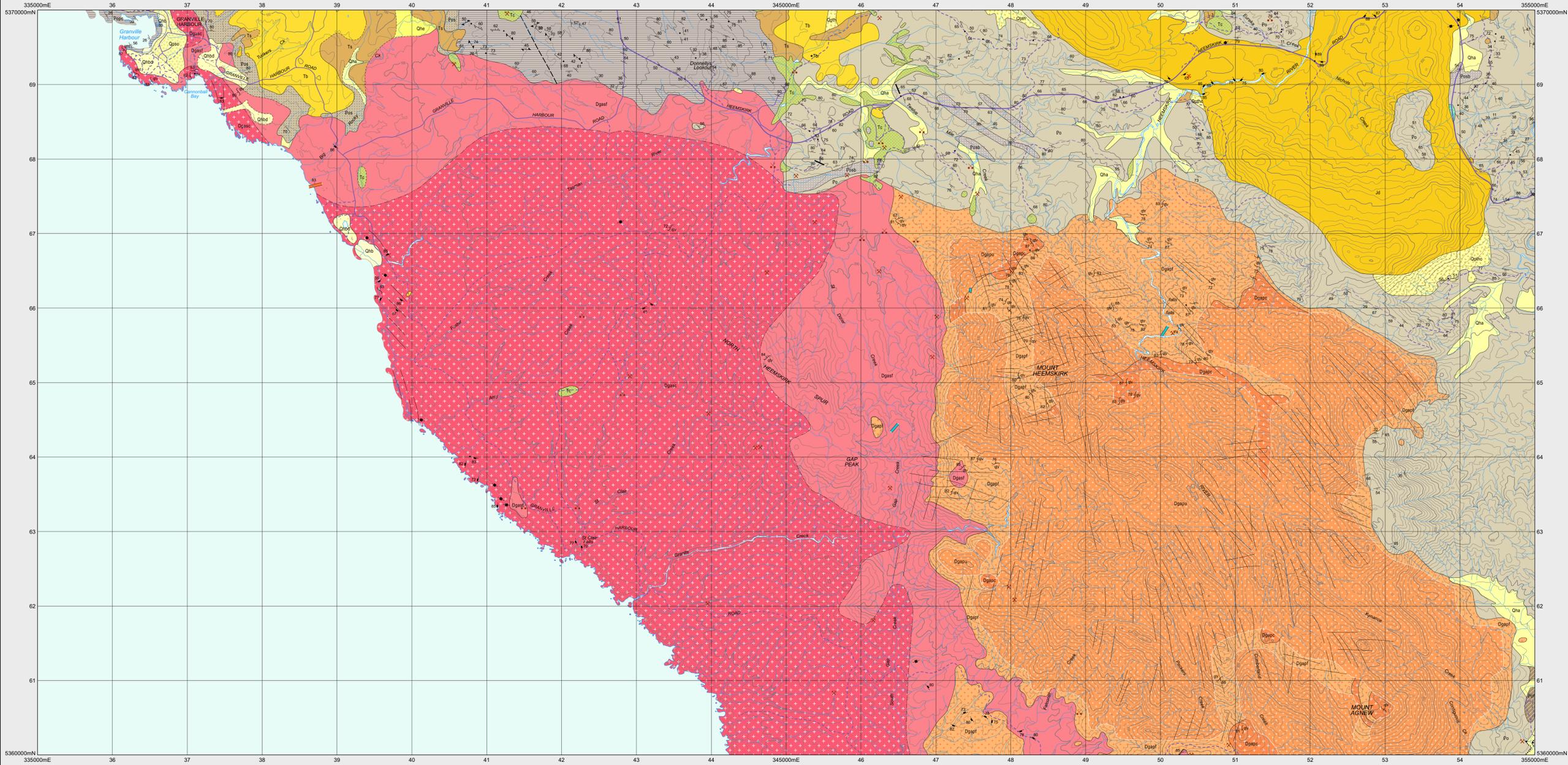


# HEEMSKIRK WEST

Scale 1:25 000

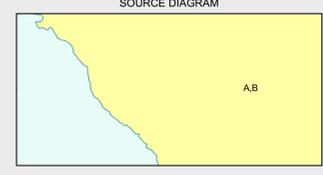


## COMPOSITE LEGEND FOR HEEMSKIRK EAST AND HEEMSKIRK WEST

CENOZOIC		
QUATERNARY	HOLOCENE	
Qha	Stream alluvium, swamp and marsh deposits (Qha).	
Qhe	Eluvium (Qhe).	
Qhb	Beach sand (Qhb).	
Qhbd	Younger active dune, beach sand and beach gravel (Qhbd).	
Qpsa	Older aeolian sand and sand dunes (Qpsa).	
Qpht	Holocene talus of unspecified type (Qpht). Dominantly silicified conglomerate talus (Qpht).	
Erosional surface.		
PALEOCENE - NEOGENE		
Th	Impersistent horizons of basalt (Th), including local occurrence of transitional olivine basalt (Tbr) at 345 340mE, 5 369 390mN.	
Ts	Sand silt and clay (Ts).	
Tc	Conglomerate gravel and grit (Tc).	
Unconformity.		
PALEOZOIC		
Carboniferous	Ptz	Tillite and associated glaciogenic rocks (correlate of Wynyard Tillite (Ptz)).
Unconformity.		
Cambrian	Ctd	Undifferentiated volcanoclastic to polymict sandstone-mudstone-conglomerate sequences (Ctd) (correlate of Tyndal Group).
Unconformity.		
NEOPROTEROZOIC		
CONWAY FORMATION		
Eopq	Calcareous quartzite (Eopq).	
Pobd	Pale weathering siltstone and shale with black pyritic carbonaceous shale (Pobd).	
Pos	Pale weathering siltstone and shale (Pos).	
Pob	Mafic vesiculate lavas (Pob).	
Pof	Ironstone derived from mineralised (magnetite) carbonate within Po (Pof).	

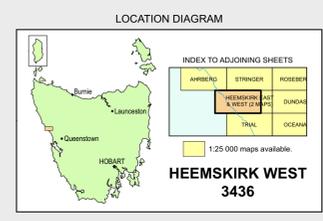
INTRUSIVE AND ALLOCHTHONOUS IGNEOUS ROCKS		
JURASSIC	Jd	Dolerite (Jd).
	qtv	Quartz-tourmaline as vein or small body (qtv).
DEVONIAN	Dgh	Aplite (Dgh).
	Dgasc	Dominantly coarse-grained, equigranular, leucocratic, biotite-bearing alkali feldspar granitoid/monzonite with sparse to common patches and nodules of quartz and tourmaline (Dgasc).
	Dgastf	Dominantly fine- to medium-grained, equigranular to porphyritic (quartz and feldspar), leucocratic, biotite-bearing alkali feldspar granitoid/monzonite, with sparse to common patches and nodules of quartz and tourmaline (Dgastf).
	Dgastp	Dominantly fine- to medium-grained, generally porphyritic (quartz and feldspar), pink, biotite-bearing alkali feldspar granitoid/monzonite, with variably developed patches and nodules of quartz and tourmaline (Dgastp).
	Dgastc	Dominantly coarse- to very coarse-grained, equigranular, pink biotite-bearing alkali feldspar granitoid/monzonite, with variably developed sparse patches and nodules of quartz and tourmaline (Dgastc).
	Dgastv	Fine- to very coarse-grained, equigranular to porphyritic (quartz and feldspar), pink, biotite-bearing alkali feldspar granitoid/monzonite, with variably developed patches and nodules of quartz and tourmaline (Dgastv).
	Dgastw	Undifferentiated serpentinised layered pyroxenite, peridotite, gabbro and basalt (Csa). Undifferentiated basalt and gabbro (Cbu). Massive to pillowed, aphyric basalt flows with interbedded breccia flows (Cbm).
	Cgm	Medium- to coarse-grained gabbro (Cgm).
	Cgv	Very coarse-grained gabbro (Cgv).
	Cgfm	Fine- to medium-grained gabbro (Cgfm).
	Csb	Porphyritic (pseudomorph clinopyroxene and/or orthopyroxene, chromite) basalt, commonly with interbedded pillow and breccia flows (Csb).
	Csm	Ironstone capping on massive serpentine (Csm).
	Csm	Massive serpentine (Csm).

CONTACTS	
Geological contact	Dip of geological contact of unspecified type.
Geological contact - inferred	Strike and dip of bedding - right way up; overturned.
Transitional geological contact	Strike and dip of bedding face unknown - dipping; vertical.
Limit of mapping of sub-unit within undifferentiated rock unit.	Strike and dip of cleavage of unspecified type and relative age - dipping; vertical.
Limit of detailed mapping.	Strike and dip of cleavage or foliation, relative local age S <sub>1</sub> - dipping; vertical.
	Strike and dip of cleavage or foliation, relative local age S <sub>2</sub> - dipping; vertical.
	Strike and dip of link band with sense of displacement viewed down plunge - dextral; sinistral.
	Trend and plunge of minor fold hinge line, unspecified relative age; with dip and dip direction of axial surface; with vertical axial surface; horizontal hinge line.
	Trend and plunge of minor fold hinge line, relative local age F <sub>2</sub> ; with dip and dip direction of axial surface.
	Strike and dip of dyke or vein - dipping; vertical.
	Quartz-muscovite-taluss vein (qmt).
	Strike and dip of dominant joint set - dipping; vertical.
	Strike and dip of outcrop-scale fault, type unspecified.
	Field station for adjacent readings on the map.
	Notable small outcrop with rock unit indicated.
	Mineral deposit location - hardrock.
	Mineral deposit location - alluvial/alluvial.
	Construction material/industrial mineral/gemstone location.



Compiled by D.B. Seymour, B.Sc.(Hons), Ph.D. and M.P. McLennaghan, B.Sc.(Hons), Ph.D., 1998 from the following source (see source diagram):  
A. BROWN, A.V., FINDLAY, R.H., GOSCOMBE, B.D., MCLENNAGHAN, M.P. and SEYMOUR, D.B., 1994. Zircon, Geological Atlas 1:50 000 Series sheet 50 (794AS), Tasmania Department of Mines.  
Updated by:  
B. VICARY, M.J., 2005. Additional map compilation and review of existing maps in western Tasmania. Tasmanian Geological Survey Record 2005/05. Mineral Resources Tasmania.

REFERENCE THIS MAP AS:  
SEYMOUR, D.B. and MCLENNAGHAN, M.P. (compilers) 1998. Digital Geological Atlas 1:25 000 Scale Series. Sheet 3436 Heemskirk. Mineral Resources Tasmania.  
Base data from the LIST, Copyright State of Tasmania.  
Map produced by Spatial Information Services, Mineral Resources Tasmania.  
Website: www.mrt.tas.gov.au  
GDA94 - MGA Zone 55. Contour interval: 20 metres.



HEEMSKIRK WEST  
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