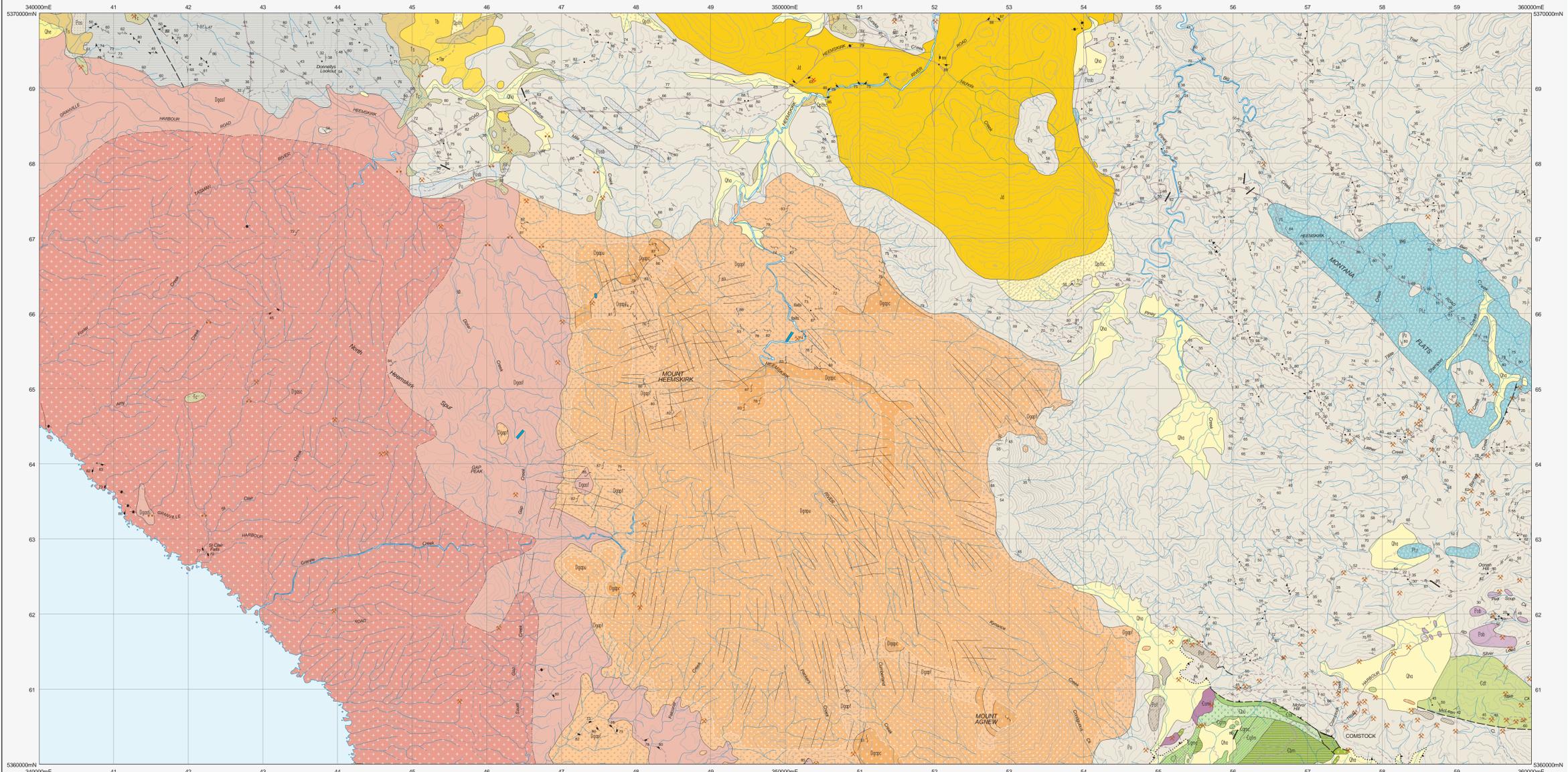


HEEMSKIRK EAST

Scale: 1:25 000



COMPOSITE LEGEND FOR HEEMSKIRK EAST AND HEEMSKIRK WEST

PERIOD	UNIT	DESCRIPTION	
CENOZOIC	QUATERNARY	Qha	Stream alluvium, swamp and marsh deposits (Qha).
		Qhe	Eluvium (Qhe).
		Qhb	Beach sand (Qhb).
		Qhd	Younger active dune, beach sand and beach gravel (Qhd).
		Qpsa	Older aeolian sand and sand dunes (Qpsa).
	TERTIARY	Qphc	Holocene talus of unspecified type (Qphc). Dominantly silicified conglomerate talus (Qphc). Erosional surface.
		Ts	Impersistent horizons of basalt (Ts), including local occurrence of transitional siliceous basalt (Ts) at J4334262, 3569350mE.
		Tc	Sand silt and clay (Tc). Conglomerate gravel and grit (Tc).
		Ptz	Unconformity. Tiltite and associated glaciogene rocks (correlate of Wynyard Tiltite) (Ptz).
		Cut	Unconformity. Undifferentiated volcanoclastic to polymict sandstone-mudstone-conglomerate sequences (Cut) (correlate of Tyndal Group).
PROTEROZOIC	Fopc	Calcareous quartzite (Fopc).	
	Fosb	Pale weathering siltstone and shale with black pyritic carbonaceous shale (Fosb).	
	Fos	Pale weathering siltstone and shale (Fos).	
	Fol	Mafic vesiculate lavas (Fol). Transition derived from mineralised (magnetite) carbonate within Fol.	

PERIOD	UNIT	DESCRIPTION	
MESOZOIC	JURASSIC	jd	Dolerite (jd).
		qt	Quartz-tourmaline as vein or small body (qv).
	DEVONIAN	Dgn	Aplitic (Dgn).
		Dgpc	Coarse-grained, leucocratic, equigranular biotite granite/diorite with sparse to common potash and nodules of quartz-tourmaline (Dgpc).
		Dgsp	Fine- to medium-grained, leucocratic, equigranular to porphyritic (feldspar and quartz) biotite diorite-granite with sparse to common potash and nodules of quartz-tourmaline (Dgsp).
		Dgspf	Fine- to coarse-grained generally porphyritic (feldspar and quartz), pink, biotite granite/diorite, variably developed patches and nodules of quartz-tourmaline (Dgspf).
		Dgpc	Coarse- to very coarse-grained, equigranular, pink biotite granite/diorite, locally developed sparse patches and nodules of quartz-tourmaline (Dgpc).
		Egpc	Undifferentiated serpanitised layered gabbroic, peridotite, gabbro and basalt (Eg). Undifferentiated basalt and gabbro (Eg). Massive to foliated, aphyric basalt flows with interbedded breccia flows (Eg).
		Egpc	Medium- to coarse-grained gabbro (Egpc).
		Egpc	Very coarse-grained gabbro (Egpc).
PALEOZOIC	Egpc	Fine- to medium-grained gabbro (Egpc).	
	Egpc	Porphyritic (pseudomorphed olivine-stillite and/or orthopyroxene, chromite) basalt, commonly with interbedded pillow and breccia flows (Egpc).	
	Cam	Ironstone capping on massive serpentine (Cam).	
	Cam	Massive serpentine (Cam).	

—	Geological boundary - position approximate.
- - - - -	Geological boundary - inferred.
- · - · - · -	Transitional geological boundary - position approximate.
(white line)	Limit of mapping of subunit within undifferentiated rock unit (colour boundary).
(photo lineament)	Photo lineament.
- - - - -	Fault - position approximate.
- - - - -	Thrust fault (teeth on upper plate) - position approximate.
- - - - -	Thrust fault (teeth on upper plate) - concealed.

↘	Dip of geological contact of unspecified type.
↘	Strike and dip of bedding - right way up; overturned.
↘	Strike and dip of bedding, face unknown - dipping; vertical.
↘	Strike and dip of cleavage of unspecified type and relative age - dipping; vertical.
↘	Strike and dip of cleavage or foliation, relative local age S1 - dipping; vertical.
↘	Strike and dip of cleavage or foliation, relative local age S2 - dipping; vertical.
↘	Strike and dip of line 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 F2; with dip and dip direction of axial surface.
↘	Strike and dip of dyke or vein, rock type or mineral specified by RCODE in Point Attribute Table - dipping; vertical.
↘	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.
•	Construction materials 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 responsibility diagram):
A. BROWN, A.V., FINLAY, R.H., GOSCOMBE, S.D., MACLENNAGHAN, M.P. and SEYMOUR, D.B., 1994. Zeehan. Geological Atlas 1:50,000 series sheet 51 (7145), Department of Mines, Tasmania.
Updated by:
B. M.J. Vicary, 2004 as part of the Western Tasmanian Regional Minerals Program.

REFERENCE THIS MAP AS:
SEYMOUR, D.B. and MACLENNAGHAN, 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 the Geoscience Information Branch of Mineral Resources Tasmania using G.I.S. software.
GDAS4 - MGA Zone 55. Contour Interval: 20 metres.



While every care has been taken in the preparation of this data, no warranty is given as to the correctness of the information and no liability is accepted for any statement or opinion or for any error or omission. No reader should act or fail to act on the basis of any material contained herein. Readers should consult professional advisers. As a result the Crown in Right of the State of Tasmania and its employees, contractors and agents expressly disclaim all and any liability (including all liability from or attributable to any negligent or wrongful act or omission) to any persons whatsoever in respect of anything done or omitted to be done by any such person in reliance whether in whole or in part upon any of the material in this data.
Crown copyright reserved.

