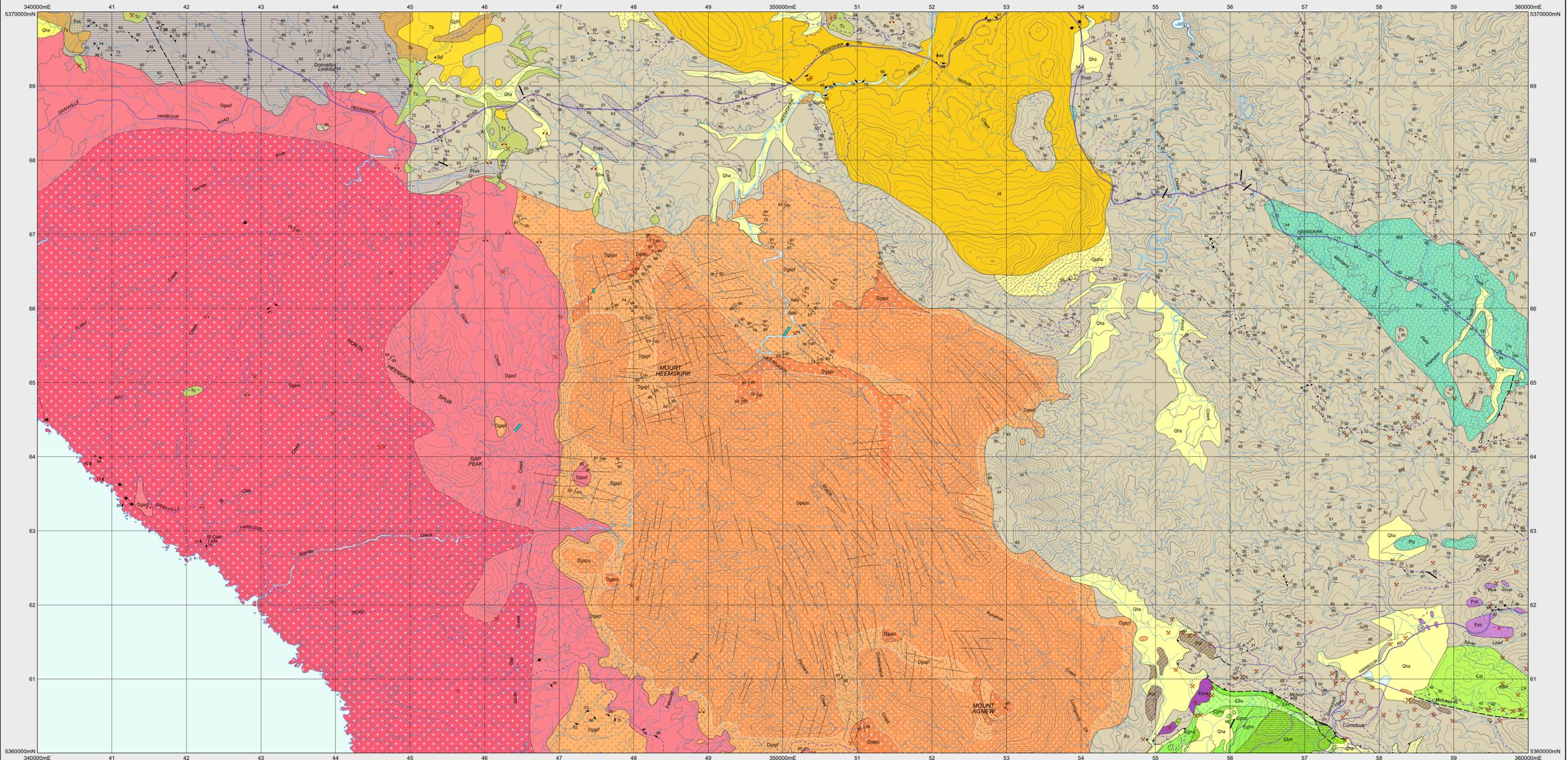


HEEMSKIRK EAST

Scale 1:25 000



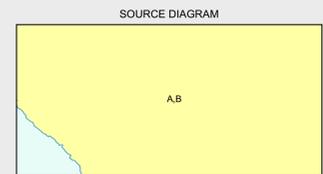
COMPOSITE LEGEND FOR HEEMSKIRK EAST AND HEEMSKIRK WEST

PERIOD	UNIT	DESCRIPTION
CENOZOIC	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).
PALEOGENE - NEOGENE	Ts	Impersistent horizons of basalt (Tb), including local occurrence of transitional olivine basalt (Tbr) at 345 340mE, 5 369 390mN. Sand silt and clay (Ts).
	Tc	Conglomerate gravel and grit (Tc).
	Unconformity	Unconformity.
PALEOZOIC	Ptc	Tillite and associated glaciogenic rocks (correlate of Wynyard Tillite (Ptz)).
	Ctd	Undifferentiated volcanoclastic to polygenic sandstone-mudstone-conglomerate sequences (Ctd) (correlate of Tyndal Group).
NEOPROTEROZOIC	Epsc	Calcareous quartzite (Epsc).
	Posb	Pale weathering siltstone and shale with black pyritic carbonaceous shale (Posb).
	Pos	Pale weathering siltstone and shale (Pos).
	Pob	Mafic vesiculate lavas (Pob).
	Pof	Ironstone derived from mineralised (magnetite) carbonate within Po (Pof).

PERIOD	UNIT	DESCRIPTION
MESOZOIC	Jd	Dolerite (Jd).
	qtv	Quartz-tourmaline as vein or small body (qtv).
DEVONIAN	Dgh	Aplite (Dgh).
	Dgast	Dominantly coarse-grained, equigranular, leucocratic, biotite-bearing alkali feldspar granitoid/monzonite with sparse to common patches and nodules of quartz and tourmaline (Dgast).
	Dgasc	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 (Dgasc).
	Dgaf	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 (Dgaf).
	Dgapp	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 (Dgapp).
PALEOZOIC	Dgacp	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 (Dgacp).
	Dgasc	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 (Dgasc).
	Dgaf	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 (Dgaf).
CAMBRIAN	Csm	Undifferentiated serpentinised layered pyroxenite, peridotite, gabbro and basalt (Csa). Undifferentiated basalt and gabbro (Cbu). Massive to pillowed, aphyric basalt flows with interbedded breccia flows (Csm).
	Cgv	Medium- to coarse-grained gabbro (Cgv).
	Cgv	Very coarse-grained gabbro (Cgv).
	Cgfm	Fine- to medium-grained gabbro (Cgfm).
	Csb	Porphyritic (pseudomorphed clinopyroxene and/or orthopyroxene, chromite) basalt, commonly with interbedded pillow and breccia flows (Csb).
ALLOCHTHONOUS SEQUENCES	Csm	Ironstone capping on massive serpentinite (Csm).
	Csm	Massive serpentinite (Csm).

CONTACTS	FAULTS	LINEARS
Geological contact	Fault	Lineament - visible on aerial photographs.
Geological contact - inferred	Thrust fault (teeth on upper plate)	
Transitional geological contact	Thrust fault (teeth on upper plate) - concealed	
Limit of mapping of sub-unit within undifferentiated rock unit		
Limit of detailed mapping		

SYMBOL	DESCRIPTION
↘	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 or foliation, relative local age S ₁ - dipping; vertical.
↘/↗	Strike and dip of cleavage or foliation, relative local age S ₂ - 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 P ₂ with dip and dip direction of axial surface.
↘/↗	Strike and dip of dyke or vein - dipping; vertical.
↘/↗	Quartz-muscovite-looker vein (qmv).
↘/↗	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/tailings.
⊗	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 (794S), 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:
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Map produced by Spatial Information Services, Mineral Resources Tasmania.
Website: www.mrt.tas.gov.au
GDSM - MGA Zone 55. Contour Interval: 20 metres.

