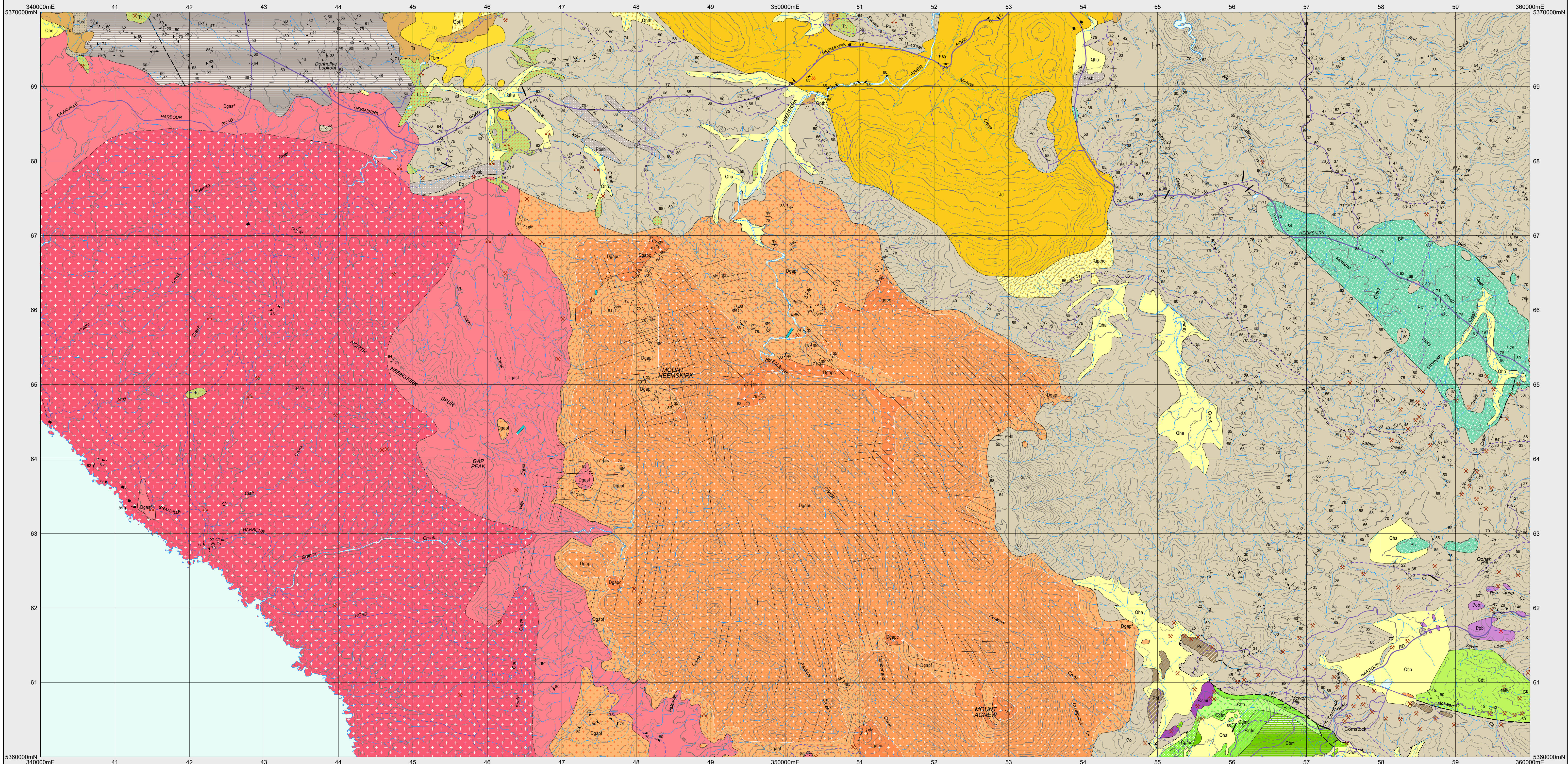


HEEMSKIRK

Scale 1:25 000



CENOZOIC	QUATERNARY	Qha	Stream alluvium, swamp and marsh deposits (Qha).
		Qhe	Eluvium (Qhe).
	PALEOGENE-NEOGENE	Qph	Dominantly silicified conglomerate talus (Qphc). Dominantly silicified conglomerate talus (Qphc).
		Ts	Impersistent horizons of basalt (Tb) including local occurrence of transitional olivine basalt (Tb) at 345 340mE, 5 369 390mN. Sand silt and clay (Ts).
PALEOZOIC	CARBON-IFEROUS?	Tc	Conglomerate gravel and grit (Tc).
		Plz	Tillite and associated glaciogenic rocks (correlate of Wynyard Tillite) (Plz).
	CAMBRIAN SERIES 3	Cdt	Undifferentiated volcanoclastic to polymict sandstone-mudstone-conglomerate sequences (Cdt) (correlate of Tyndall Group).
		Popc	Calcareous quartzite (Popc).
NEOPROTEROZOIC	CAMBRIAN SERIES 2	Posb	Pale weathering siltstone and shale with black pyritic carbonaceous shale (Posb).
		Pos	Pale weathering siltstone and shale (Pos).
	CAMBRIAN SERIES 1	Pob	Mafic vesiculate lavas (Pob).
		Pof	Ironstone derived from mineralised (magnetite) carbonate within Po (Pof).

INTRUSIVE AND ALLOCHTHONOUS IGNEOUS ROCKS

MESOZOIC	JURASSIC	Jd	Dolerite (Jd).
		qtv	Quartz-tourmaline as vein or small body (qtv).
	DEVONIAN	Dgpc	Dominantly coarse-grained, equigranular, leucocratic, biotite-bearing alkali feldspar granitoid-syenogranite, with sparse to common patches and nodules of quartz and tourmaline (Dgpc).
		Dgsp	Dominantly fine- to medium-grained, equigranular to porphyritic (quartz and feldspar), pink, biotite-bearing alkali feldspar granitoid-syenogranite, with sparse to common patches and nodules of quartz and tourmaline (Dgsp).
PALEOZOIC	DEVONIAN	Dgsp	Dominantly fine- to coarse-grained, generally porphyritic (quartz and feldspar), pink, biotite-bearing alkali feldspar granitoid-syenogranite, with variably developed patches and nodules of quartz and tourmaline (Dgsp).
		Dgsp	Dominantly coarse- to very coarse-grained, equigranular, pink, biotite-bearing alkali feldspar granitoid-syenogranite, with variably developed patches and nodules of quartz and tourmaline (Dgsp).
	CAMBRIAN	Cgm	Undifferentiated sericitised layered pyroxenite, peridotite, gabbro and basalt (Cgm). Undifferentiated basalt and gabbro (Cgm).
		Cgv	Medium- to coarse-grained gabbro (Cgm).
ALLOCHTHONOUS SEQUENCES	CAMBRIAN	Cgm	Very coarse-grained gabbro (Cgv).
		Cgm	Fine- to medium-grained gabbro (Cgm).
	TERREMIAN	Csm	Porphyritic (psamomorphous clinopyroxene and/or orthopyroxene, chromite) basalt, commonly with interbedded pillow and breccia flows (Csm).
		Csm	Ironstone capping on massive serpentine (Csm).

CONTACTS

Geological contact.	Strike and dip of bedding - right way up; overturned.
Geological contact - inferred.	Strike and dip of bedding, face unknown - dipping; vertical.
Transitional geological contact.	Strike and dip of cleavage of unspecified type and relative age - dipping; vertical.
Limit of mapping of sub-unit within undifferentiated rock unit.	Strike and dip of cleavage or foliation, relative local age S; - dipping; vertical.
Limit of detailed mapping.	Strike and dip of cleavage or foliation, relative local age S; - dipping; vertical.

FAULTS

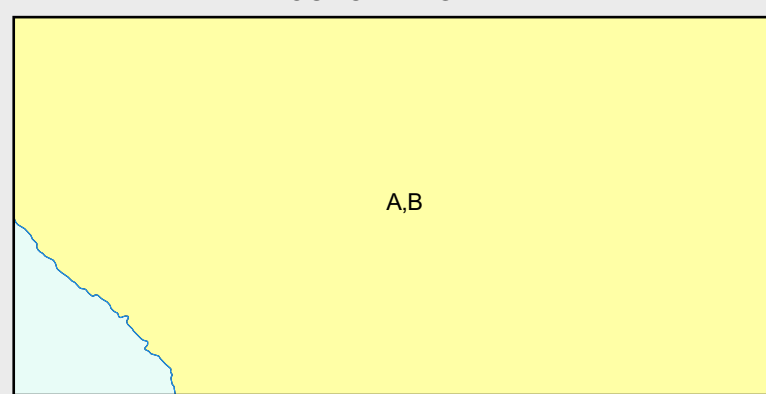
Fault.	Strike and dip of kink band with sense of displacement viewed down plunge - dextral; sinistral.
Thrust fault (teeth on upper plate).	Trend and plunge of minor fold hinge line, unspecified relative age, with dip and dip direction of axial surface, with vertical axial surface; horizontal hinge line.
Thrust fault (teeth on upper plate) - concealed.	Trend and plunge of minor fold hinge line, relative local age F; with dip and dip direction of axial surface.

LINEARS

Lineament - visible on aerial photographs.	Strike and dip of dyke or vein - dipping; vertical.
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Strike and dip of bedding - right way up; overturned.	Strike and dip of bedding, face unknown - dipping; vertical.
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 of unspecified type and relative age - dipping; vertical.	Strike and dip of cleavage or foliation, relative local age S; - dipping; vertical.
Strike and dip of cleavage or foliation, relative local age S; - dipping; vertical.	Strike and dip of kink band with sense of displacement viewed down plunge - dextral; sinistral.
Strike and dip of kink 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, 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; with dip and dip direction of axial surface.
Trend and plunge of minor fold hinge line, relative local age F; with dip and dip direction of axial surface.	Strike and dip of dyke or vein - dipping; vertical.
Strike and dip of dyke or vein - dipping; vertical.	Strike and dip of dominant joint set - dipping; vertical.
Strike and dip of dominant joint set - dipping; vertical.	Strike and dip of outcrop-scale fault, type unspecified.
Strike and dip of outcrop-scale fault, type unspecified.	Field station for adjacent readings on the map.
Field station for adjacent readings on the map.	Notable small outcrop with rock unit indicated.
Notable small outcrop with rock unit indicated.	Mineral deposit location - hardrock.
Mineral deposit location - hardrock.	Mineral deposit location - alluvial/alluvial.
Mineral deposit location - alluvial/alluvial.	Construction material/industrial mineral/gemstone location.

SOURCE DIAGRAM



Highly detailed (eg. more detailed than 1:25 000 scale mapping).
Detailed systematic (eg. 1:25 000 map or equivalent detail).
Regional systematic (eg. 1:50 000, 1:63 360 map or equivalent detail).
Regional mapping less detailed than 1:63 360 map or equivalent (all other scales).
Reconnaissance mapping with sparse ground traverses.
Remote sensing and/or geophysical interpretation with limited or no ground information.

Compiled by D.B. Seymour, B.Sc.(Hons), Ph.D. and M.P. McLennaghan, B.Sc.(Hons), Ph.D., 1986 from the following source (see source diagram):
A. BROWN, A.V., FINDLAY, R.H., GOSCOMBE, B.D., MCLENNAGHAN, M.P. and SEYMOUR, D.B. 1984. Zircon, Geological Atlas 1:50 000 Series sheet 50 (7945). 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

GDAL - MGA Zone 55. Contour interval: 20 metres.

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LOCATION DIAGRAM

