

Tony Browns  
 Mt Dundas, Mt Ramsay  
 Mt Lindsay area.  
 1:50,000

Sheet I

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# REGIONAL GEOLOGY of the DUNDAS — MT. LINDSAY — MT. RAMSAY AREA

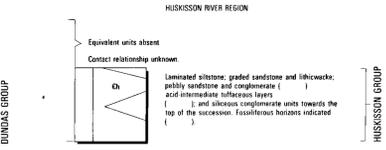
Geology by A.V. BROWN B.Sc. (Hons) 1983

CARTOGRAPHY BY P. B. NANKIVELL

SCALE 1:25 000

GEOLOGICAL SURVEY OF TASMANIA — DEPARTMENT OF MINES — HOBART

PALAEOZOIC	Quaternary	Qa	Marsh and swamp deposits; alluvium; river gravels; talus.
	Quaternary	Qg	Glacial derived deposits: outwash conglomerate, gravel and sand.
	DEVONIAN	Du	Sandstone, siltstone and mudstone (correlate of Bell Shale).
		Df	Quartz sandstone sequence (correlate of Florence Quartzite).
		Sa	Siltstone, mudstone and calcareous siltstone with limestone (Sa) and quartz sandstone (Sa) layers (correlate of Austral Creek Siltstone, Keel Quartzite, Amber Shale).
		Sc	Quartz sandstone with minor mudstone and granule conglomerate layers (correlate of Gusty Quartzite).
		Di	Limestone and impure limestone with variable texture (correlate of Gordon Limestone).
		Ds	Quartz sandstone and minor siltstone (correlate of sandstone member of Owen Conglomerate).
		Edm	Poorly sorted conglomerate, sandstone and siltstone (Edm) and indurated siltstone horizon (Edi) indicated (upper part of Brewery Junction up to and including the Massive Conglomerate (Edm), a stratigraphic correlate of the conglomerate member of the Owen Conglomerate).
		Edi	Fault contact (Owden Region).
Eda		Intersubbed sandstone and siltstone (lower part of Brewery Junction Formation).	
Edb		Poorly sorted conglomerate, pebbly sandstone and sandstone, all dominantly chert derived, with minor acid tuff horizons (Edb) indicated (Hamback Conglomerate).	
CAMBRIAN	Edc	Siltstone and mudstone with minor sandstone (Hodge Slate).	
	Edo	Poorly sorted volcanoclastic polymic conglomerate (Red Lead Conglomerate).	
	Edl	Sandstone, siltstone and mudstone (Judith Formation).	
	PROTEROZOIC	Ecc	Volcanoclastic lithiclastic siltstone and mudstone with minor carbonate and bedded basalt layers.
		Ecr	Red chert and mudstone with minor conglomerate and carbonate layers.
		Ees	Laminated siliceous siltstone with minor quartz sandstone and conglomerate horizons.
		Ees	Black mudstone, siltstone and minor sandstone (dominated by soft sediment and later tectonic deformation).
		Eed	Quartz sandstone with minor siltstone, pebbly sandstone and conglomerate (Elkscath Formation).
		Eec	Poorly sorted, limestone, polymic conglomerate with sandstone lenses.
		PRECAMBRIAN	Pom
Pos			Indurated quartz sandstone, siltstone and mudstone.
Pos			Metavolcanic equivalents (Pom) (Conner Schist).



TERTIARY	Th	Alkali olivine basalt.
	Dy	Granitic rocks with metamorphism of surrounding country - rocks indicated (small cross overprint); associated red/white massive quartz bodies (Dyq).
	Cg	Massive gabbro.
DEVONIAN	Ca	Basalt, commonly with pillow and individual flows graded from coarse grained base to fine-grained top; associated basalt intrusions indicated (Cb).
	Cg	Basalt, commonly with pillow and individual flows graded from coarse grained base to fine-grained top; associated basalt intrusions indicated (Cb).
CAMBRIAN (post Middle Cambrian)	Cip	Serpentinized layered peridotite with gabbro.
	Cip	Serpentinized layered peridotite and pyroxenite.
	Cid	Serpentinized dunite and interlayered pyroxene-bearing dunite (Cidp).
	Cis	Massive serpentine.
	Cis	Amphibole.

Geological boundary — position approximate.  
 Geological boundary — inferred.  
 Geological boundary — transitional.  
 Geological boundary — concealed.  
 Fault — position approximate.  
 Fault — inferred.  
 Fault — concealed.  
 Strike and dip of bedding — facing known, vertical, facing known; overturned, facing unknown, vertical, facing unknown.  
 Strike and dip of compositional banding — in sedimentary rocks; in igneous rocks.  
 Strike and dip of cleavage of unspecified type or relative age, vertical.  
 Type of cleavage — striae crenulation.  
 Fold hinge, with plunge and dip of axial surface, vertical axial surface.  
 Early fold hinge, with plunge and dip of axial surface, vertical axial surface.  
 Later fold hinge, with plunge and dip of axial surface, vertical and axial surface.  
 Monoclinial locality in sparsely foliated rocks.

PRELIMINARY COMPILATION ONLY - 10 DEC. 1982

