

PERIOD	SUBPERIOD	UNIT	DESCRIPTION	CORRELATES
CENOZOIC	QUATERNARY	Qha	Undifferentiated Quaternary sediments (Q). Alluvium, swamp and marsh deposits (Qha).	
		Qpt	Talus (Qpt). Quartzite and conglomerate talus (Qopt).	
		Qpsw	Older aeolian dune sand (Qpsw).	
		Qpm	Mostly morainal deposits (Qpm).	
	PLEISTOCENE	Qgg	Glacial deposits (Qgg).	
		Tgh	Grey-billy and silcrete (Tgh).	
	PALEOCENE-MIOCENE	Tb	Basalt (Tb).	
		Tf	Ferrisite (Tf).	
	SILURIAN-DEVONIAN	Ts	Dominantly non-marine sequences of gravel, sand, silt, clay and regolith (Ts).	
		SD	Shallow marine quartz sandstone, siltstone and shale (SD). Shallow marine sandstone (SDM).	
PALEOZOIC	ORDOVICIAN	Oi	Limestone with siltstone in some areas (Oi).	
		Osmh	Calcareous siltstone and sandstone. Transitional unit from Meina Sandstone to Gordon Limestone (Osmh).	
		Osm	Pale grey to pink commonly cross-bedded quartz sandstone, coarse and pebbly toward base and with tubular trace fossils in horizons of upper sequences (correlate of Meina Sandstone) (Osm).	
		Osmc	Pink to grey pebble-conglomerate and coarse sandstone, rarely bioturbated (Osmc).	
	CAMBRIAN	COsu	Undifferentiated shallow marine - non-marine siliclastic conglomerate - sandstone sequences - Owen Group / Gordon Group and correlatives (CO). Mostly pink coarse sandstone and granule-pebble conglomerate. Chert clasts common. Cross-bedding common (COsu).	
		COsa	Pink pebble conglomerate. Transgressive erosional base in some areas (COsa).	
	FRASERIAN	COsl	Thin bedded pink to grey sandstone with minor siltstone, calcareous sandstone and pebble conglomerate. Some bioturbated horizons (COsl).	
		COsd	Silt-like bodies of sub-ophitic dolerite (COsd).	
		COsm	Pebble-cobble to cobble-boulder conglomerate thick bedded to massive, with minor sandstone lenses. Pink to pale grey. Correlate of Middle Owen Conglomerate (COsm).	
		COms	Interbedded micaceous sandstone, siltstone and siliclastic pebble conglomerate, mostly grey in colour. Correlate of Newton Creek Sandstone (COms).	
		COmv	Volcaniclastic conglomerate, breccia and sandstone. Correlate of Jukes Conglomerate (COmv).	

PERIOD	SUBPERIOD	UNIT	DESCRIPTION	CORRELATES
PALEOZOIC	CAMBRIAN	Cdt	Mostly volcaniclastic pebble-cobble conglomerate and sandstone usually quartz-feldspar-phyric, with lesser felsic to intermediate volcanic rocks (Cdt).	
		Cds	Andesitic lava and breccia, typically feldspar ± hornblende-phyric (Cds).	
		Cdpl	Felsic lava, typically quartz-feldspar-phyric, commonly flow-banded and auto-brecciated (Cdpl).	
		Cdss	Volcaniclastic sandstone, typically quartz-feldspar ± biotite-phyric, with minor felsic lava in places (Cdss).	
	MOUNT READ VOLCANICS	Cdtw	Felsic volcanic and volcaniclastic rocks of the Black Bluff Range windows, typically including welded and flow-like rocks (Cdtw).	
		COhs	Volcaniclastic sandstone, conglomerate and breccia (COhs).	
	TYPICAL GROUP CORRELATES	Cdhw	Welded ash flow tuff and associated flow rocks, typically quartz-feldspar-phyric, with interbedded volcaniclastic rocks (Cdhw).	
		Cdsv	Mixed sequences of volcano-sedimentary and volcanic rocks (Cdsv).	
	CORRELATES OF MOUNT CHARTER GROUP	Cdsvp	Upper sequences of pumice-bearing volcaniclastic sandstone and breccia (Correlate of Southwest Subgroup) (Cdsvp).	
		Cdsvm	Graded volcaniclastic mass-flow breccia units (Cdsvm).	
CORRELATES OF EASTERN QUARTZ-PHYRIC SEQUENCE	Cdcah	Feldspar-hornblende-phyric andesite (Cdcah).		
	Cdca	Bedded sandstone-siltstone units (Cdca).		
CORRELATES OF MOUNT CHARTER GROUP	Cdcahm	Micaceous quartzwacke-siltstone sequence (Correlate of Animal Creek Greywacke) (Cdcahm).		
	Cdsvt	Dominantly fine grained vitriclastic siltstone with some mass flow deposits, shale and greywacke (Cdsvt).		
CORRELATES OF EASTERN QUARTZ-PHYRIC SEQUENCE	Cdcbc	Mainly quartz-phyric volcaniclastic rocks with intercalated quartz-feldspar ± biotite porphyry (Cdcbc).		
	Cdcbpc	Mainly volcaniclastic sandstone and vitric mudstone (Cdcbpc).		
	Cdcbpl	Quartz-feldspar-biotite-phyric lithic-rich volcaniclastic sandstone (Cdcbpl).		
		Cdcbp	Felsic feldspar-phyric lava, commonly spherulitic (Cdcbp).	

INTRUSIVE ROCKS

qv	Quartz vein.
Cdcb	Basaltic dykes, chlorite-carbonate-altered (Cdcb).
Cdcp	Quartz-feldspar porphyry, dominantly intrusive (Cdcp).
Cdcbp	Quartz-feldspar-biotite ± hornblende porphyry (Bonds Range Porphyry) (Cdcbp).
Cdct	Ophitic textured mafic-intermediate rock of uncertain affinity, feldspar-pyroxene-chlorite-quartz-bearing (Cdct).

CONTACTS

Geological contact.

Geological contact - inferred.

Limit of mapping of sub-unit within undifferentiated rock unit.

FAULTS

Fault.

Fault - inferred.

Fault - concealed.

LINEARS

Axial surface trace of major antiform.

Axial surface trace of major synform.

Lineament - visible in magnetic data.

SYMBOLS

Strike and dip of bedding - right way up; overturned; facing unknown.

Strike of vertical bedding - facing unknown.

Horizontal bedding.

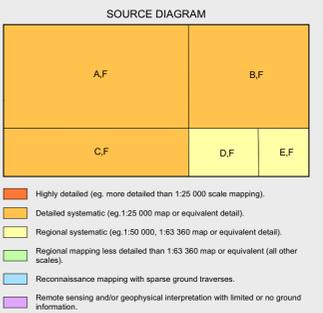
Trend and plunge of hinge line of unspecified relative age - minor antiform; minor synform.

Strike and dip of cleavage of unspecified type and relative age; vertical.

Strike and dip of metamorphic foliation other than cleavage.

Strike and dip of dominant joint set; vertical.

Strike and dip of igneous banding or platy alignment; vertical.



REFERENCE THIS MAP AS:

PEMBERTON, J. and MCKIBBEN, J. (compilers) 2004. Digital Geological Atlas 1:25 000 Scale Series. Sheet 4040. LEA. 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.

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