

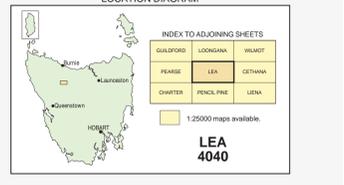
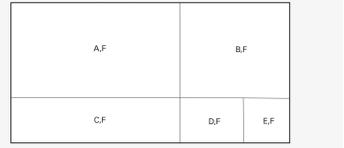
CENOZOIC	QUATERNARY	
	PLEISTOCENE	HOLOCENE
	Qha	Alluvium, swamp and marsh deposits (Qha).
	Qpt	Talus (Qpt).
	Qpts	Quartzite and conglomerate talus (Qpts).
	Qpsw	Older aeolian dune sand (Qpsw).
	Qpgrn	Mostly marginal deposits (Qpgrn).
	Qpgrg	Glacial deposits (Qpgrg).
	Ttfg	Grey-silt and siltstone (Ttfg).
	Tb	Basalt (Tb).
	Tf	Ferricrete (Tf).
	Ts	Discontinuously non-marine sequences of gravel, sand, silt, clay and regolith (Ts).
	SD	Shallow marine quartz sandstone, siltstone and shale (SD).
	SDf	Shallow marine sandstone (SDf).
	Oi	Limestone with siltstone in some areas (Oi).
	Oamh	Calcareous siltstone and sandstone. Transitional unit from Middle Sandstone to Gordon Limestone (Oamh).
	Oam	Fine 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 Middle Sandstone) (Oam).
	Oamc	Pink to grey pebble-conglomerate and coarse sandstone, rarely bioturbated (Oamc).
	COsu	Mostly pink coarse sandstone and granule-siltstone conglomerate. Chert clasts common. Cross-bedding common (COsu).
	COsu	Basalt typically hematite-altered, fine-grained, purple weathering. Massive to brecciated, generally well cleaved, vesicular, rare pillow structures (COsu).
	COsl	Pink pebble conglomerate. Transgressive erosional base in some areas (COsl).
	COsl	Thin bedded pink to grey sandstone with minor siltstone, calcareous sandstone and pebble conglomerate. Some bioturbated horizons (COsl).
	COsl	Silt-like bodies of sub-optic dolerite (COsl).
	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	Intermediate micaceous sandstone, siltstone and siliclastic pebble conglomerate, mostly grey in colour. Correlate of Newton Creek Sandstone (COms).
	COvc	Volcaniclastic conglomerate, breccia and sandstone. Correlate of Jakes Conglomerate (COvc).

PALEOZOIC	CAMBRIAN	
	CAMBRIAN SERIES 3	CAMBRIAN SERIES 2
	Col	Mostly volcaniclastic pebble-cobble conglomerate and sandstone, usually quartz-feldspar-phyric, with lesser felsic to intermediate volcanic rocks (Col).
	Cda	Andesitic lava and breccia, typically feldspar +/- hornblende-phyric (Cda).
	Cdtp	Felsic lava, typically quartz-feldspar-phyric, commonly flow-banded and auto-brecciated (Cdtp).
	Cdss	Volcaniclastic sandstone, typically quartz-feldspar +/- biotite-phyric, with minor felsic lava in places (Cdss).
	Cdte	Felsic volcanic and volcaniclastic rocks of the Black Bluff Range windows, typically including welded and flow-like rocks (Cdte).
	Cdss	Volcaniclastic sandstone, conglomerate and breccia (Cdss).
	Cdte	Welded ash flow tuff and associated flow rocks, typically quartz-feldspar-phyric, with interbedded volcaniclastic rocks (Cdte).
	Cdsv	Mixed sequences of volcano-sedimentary and volcanic rocks (Cdsv).
	Cdsv	Upper sequence of pumice-bearing volcaniclastic sandstone and breccia (Correlate of Southern Subgroup) (Cdsv).
	Cdsv	Graded volcaniclastic mass-flow breccia units (Cdsv).
	Cdsh	Feldspar-hornblende-phyric andesite (Cdash).
	Cdsv	Bedded sandstone-siltstone units (Cdsv).
	Cdsv	Micaceous quartzite-siltstone sequence (Correlate of Animal Creek Greywacke) (Cdsv).
	Cdsv	Dominantly fine grained vitriclastic siltstone with some mass flow deposits, shale and greywacke (Cdsv).
	Cdvc	Mainly quartz-phyric volcaniclastic rocks with interbedded quartz-feldspar +/- biotite porphyries (Cdvc).
	Cdvc	Mainly volcaniclastic sandstone and vitric mudstone (Cdvc).
	Cdvc	Quartz-feldspar-biotite-phyric K-fic-rich volcaniclastic sandstone (Cdvc).
	Cdvc	Felsic feldspar-phyric lava, commonly aphyritic (Cdvc).

PALEOZOIC	MOUNT READ VOLCANICS	
	CAMBRIAN	DEVONIAN
	Qv	Quartz vein.
	Cdvc	Basaltic dykes, chlorite-carbonate-altered (Cdvc).
	Cdtp	Quartz-feldspar porphyry, dominantly intrusive (Cdtp).
	Cdtp	Quartz-feldspar-biotite +/- hornblende porphyry (Bonds Range Porphyry) (Cdtp).
	Cdtp	Ophitic textured mafic-intermediate rock of uncertain affinity, feldspar-pyroxene-chlorite-quartz-bearing (Cdtp).

SYMBOLS	
—	Geological boundary - position approximate.
- - - - -	Geological boundary - position inferred.
- · - · - ·	Fault - position approximate.
- · - · - ·	Fault - position inferred.
- · - · - ·	Fault - position concealed.
↑	Axial surface trace of major fold, antiform.
↓	Axial surface trace of major fold, synform.
—	Lineament visible in airborne magnetic and/or radiometric data.
(white line)	Limit of mapping of sub-unit within undifferentiated rock unit.

MOUNT READ VOLCANICS	
✕ /	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.
✕ /	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.
•	Notable small outcrop with rock unit indicated.
•	Field station for adjacent readings on the map.
✕	Mineral deposit location - hardrock.
✕	Mineral deposit location - alluvial/rollings.
✕	Construction material/industrial mineral/gemstone location.



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.

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GDA84 - MGA Zone 55. Contour Interval: 20 metres.

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