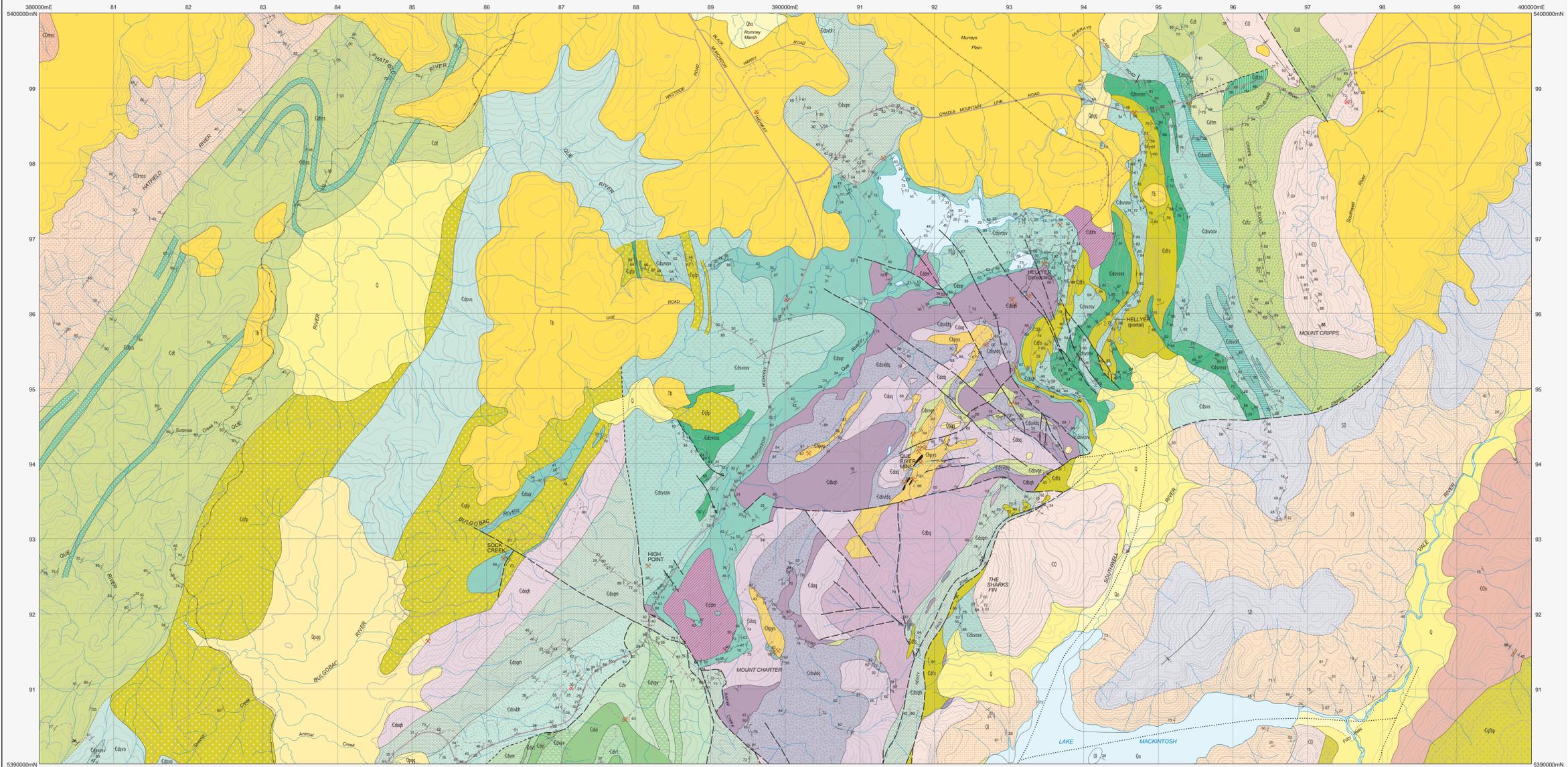


CHARTER

Scale: 1:25 000



PERIOD	UNIT	DESCRIPTION
CENOZOIC	Q	Alluvium, swamp and marsh deposits (Qa).
	Qggg	Pleistocene glacial deposits – mostly bouldery marine (Qggg).
PALAEOZOIC	Tb	Basalt with minor associated sediments (Tb).
	SD	Shallow marine quartz sandstone, siltstone and shale (SD).
CAMBRIAN	CO	Mainly siliceous conglomerate–sandstone–mudstone sequences (CO).
	COs	Mainly siltstone and granite-pebble conglomerate with minor siltstone. Clasts of chert common. Correlates of Upper Devon Sandstone (COs).
	COmsc	Marine conglomerate-rich sequence with some sandstone and mudstone (COmsc).
	COms	Marine sandstone–mudstone sequence (COms).

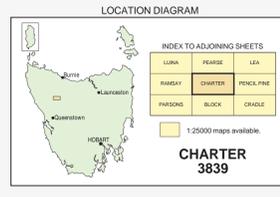
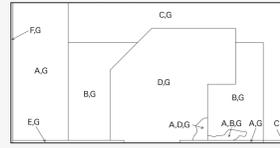
PERIOD	UNIT	DESCRIPTION
DEVONIAN	Cdt	Volcanic sandstone, breccia, siltstone, mudstone and conglomerate, typically quartz-feldspar-phyric (Cdt).
	Cdsc	Dominantly volcanic conglomerate and sandstone (Cdsc).
	Cdsh	Interbedded siltstone, shale and sandstone (Cdsh).
	Cdvm	Interbedded volcanoclastic sandstone and breccia with minor welded tuff (correlate of Mt Julia Member) (Cdvm).
MOUNT FRED VOLCANICS	Cdsv	Mainly siliceous conglomerate, sandstone and siltstone (Cdsv).
	Cdsvs	Interbedded volcanoclastic breccia, sandstone, siltstone and mudstone, with minor felsic lava and intrusives-extrusive porphyry bodies (Cdsvs).
	Cdsvp	Feldspar-quartz porphyry, typically with spherulitic groundmass (Cdsvp).
	Cdsvr	Quartz-feldspar +/- biotite porphyry, mainly intrusive but may be partly extrusive (Cdsvr).

PERIOD	UNIT	DESCRIPTION
MOUNT HELENY VOLCANICS	Cdshp	Andesitic to basaltic volcanics with some intercalated dacitic lavas and breccias (Cdshp).
	Cdshv	Amphibolite basalt lava, pillow lava and pyroclastic breccia (Haley's Basalt) (Cdshv).
	Cdshc	Mainly dacitic lava and breccia, typically feldspar-quartz-phyric (Cdshc).
	Cdshg	Polymict lapillostic breccia and grit (Cdshg).
MOUNT CHARTER VOLCANICS	Cdcb	Dominantly andesitic volcanics (Cdcb).
	Cdcbv	Dominantly basaltic volcanics (lower basalt) (Cdcbv).
	Cdcbm	Microsome quartzite with interbedded siltstone and black shale and minor volcanoclastic rocks (Ammar Creek Greywacke and correlatives) (Cdcbm).
	Cdcbh	Dominantly volcanic sandstone, vitric mudstone, minor volcanoclastic breccia (Blackberry Basalt) (Cdcbh).

PERIOD	UNIT	DESCRIPTION
INTRUSIVE ROCKS	Cdqp	Quartz-feldspar +/- biotite porphyry, mainly intrusive (Cdqp).
	Cdqp	Quartz-feldspar-biotite +/- hornblende porphyry (Cdqp).
ALTERATION AND MINERALISATION	Cdqv	Major quartz vein – probably Devonian (qv).
	Cdcb	Barite body (Cdb).
MOUNT FRED VOLCANICS	Cdsv	Dominantly feldspar-phyric volcanic and volcanoclastic rocks (Cdsv).
	Cdsvh	Mainly felsic volcanoclastic and pyroclastic rocks, including pumice-bearing units (Cdsvh).
MOUNT HELENY VOLCANICS	Cdsh	Pumice-bearing volcanoclastic rocks, usually with autaxitic texture (Cdsh).
	Cdshv	Fine-grained vitriclastic mudstone (Cdshv).
MOUNT CHARTER VOLCANICS	Cdsh	Felsic lava, typically feldspar +/- quartz-phyric rhyolite to dacite (Cdsh).
	Cdshv	Felsic lava, typically feldspar +/- quartz-phyric rhyolite to dacite (Cdshv).

SYMBOL	DESCRIPTION
—	Geological boundary – position approximate.
- - -	Geological boundary – inferred.
- - - - -	Subsurface geological boundary projected to surface.
- · - · -	Fault – position approximate.
- · - · - ·	Fault – inferred.
- · - · - · - ·	Fault – concealed.
~ ~ ~	Avial surface trace of major fold, synform.
~ ~ ~	Avial surface trace of major early fold, synform.
(white line)	Limit of mapping of sub-unit within undifferentiated rock unit.

SYMBOL	DESCRIPTION
↘ / ↙	Strike and dip of bedding – right way up; overturned; facing unknown.
↘	Strike of vertical bedding, facing unknown.
↘ / ↙	Strike and dip of cleavage of unspecified type and relative age; vertical.
↘ / ↙	Trend and plunge of lineation of unspecified type.
↘ / ↙	Trend and plunge of minor fold hinge line, unspecified relative age.
↘ / ↙	Strike and dip of igneous banding or platy alignment.
↘ / ↙	Trend and plunge of hinge line of minor synform, unspecified relative age.
↘ / ↙	Trend of horizontal hinge line of minor synform, unspecified relative age.
⊗	Mineral deposit location – hardrock.
⊗	Construction material/industrial mineral/gemstone location.



REFERENCE THIS MAP AS:
CORBETT, K.D. (compiler) 1995, Digital Geological Atlas 1:25 000 Scale Series, Sheet 3839 Charter, Mineral Resources Tasmania.

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Website: www.mrt.tas.gov.au
GD484 – MGA Zone 55. Contour interval: 20 metres.

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