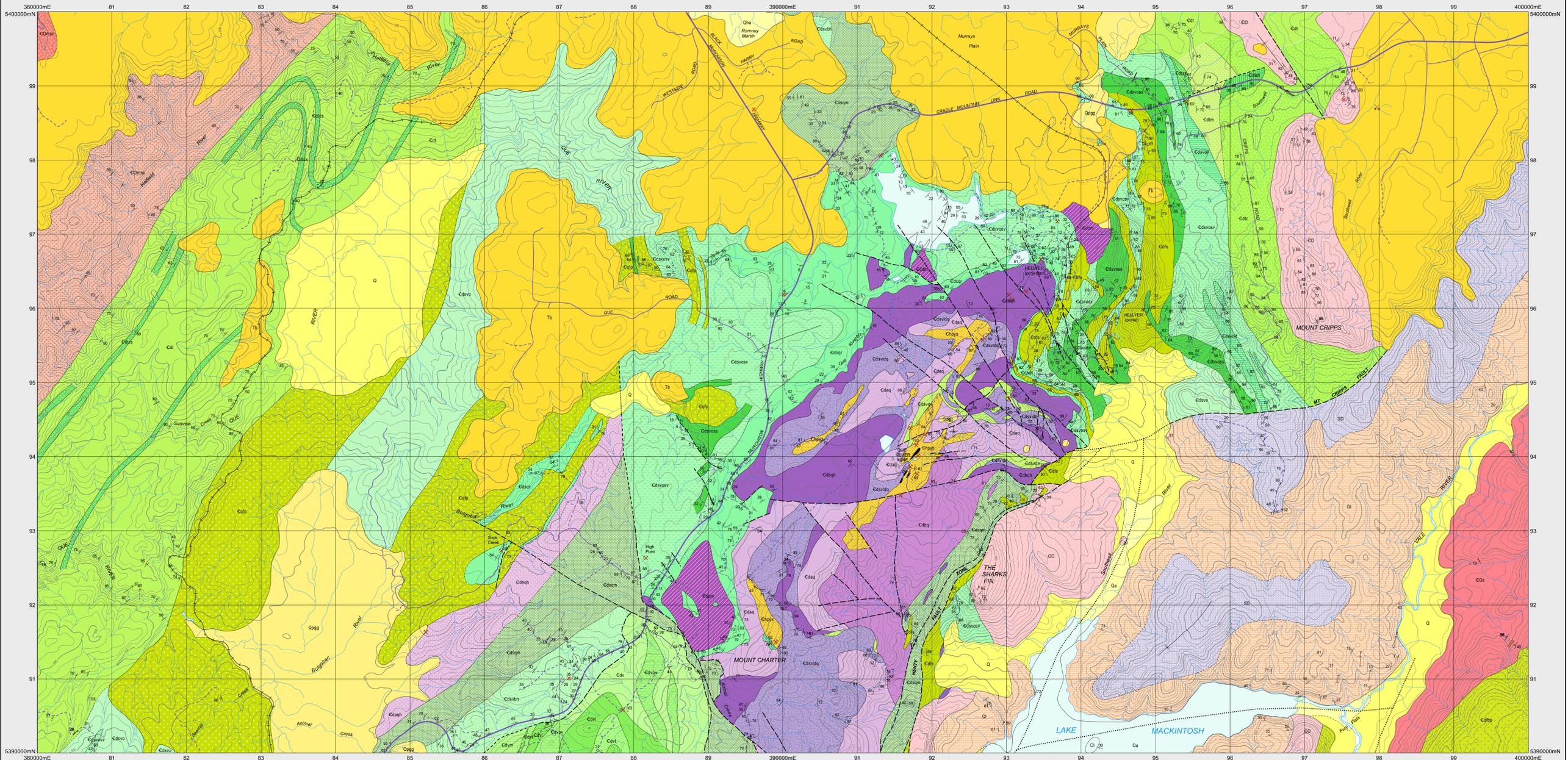


CHARTER

Scale 1:25 000



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| <p>PALEOZOIC</p> <p>ORDOVICIAN</p> <p>DEVONIAN</p> <p>SILURIAN - PALEOZOIC</p> <p>PERMIAN</p> <p>QUATERNARY</p> | <p>QUATERNARY</p> <p>Qha Undifferentiated Quaternary sediments (Q). Alluvial gravel, sand and clay (Qa). Alluvium, swamp and marsh deposits (Qha). Qpqq Pleistocene glacial deposits - mostly bouldery moraine (Qpqq).</p> <p>PERMIAN</p> <p>Tb Basalt with minor associated sediments (Tb).</p> <p>DEVONIAN</p> <p>SD Shallow marine quartz sandstone, siltstone and shale (SD).</p> <p>ORDOVICIAN</p> <p>Oi Limestone with minor siltstone and sandstone (Oi).</p> <p>SILURIAN - PALEOZOIC</p> <p>CO Mainly siliceous conglomerate-sandstone-mudstone sequences (CO). Mainly pink sandstone and granite-pebble conglomerate with minor siltstone. Clasts of chert common. Correlate of Upper Owen Sandstone (COs). COms Marine conglomerate-rich sequence with some sandstone and mudstone (COms). COms Marine sandstone-mudstone sequence (COms).</p> | <p>PALEOZOIC</p> <p>CAMBRIAN</p> <p>CAMBRIAN SERIES 3</p> <p>Cdt Volcaniclastic sandstone, breccia, siltstone, mudstone and conglomerate, typically quartz-feldspar-phyric (Cdt). Cdtc Dominantly volcaniclastic conglomerate and sandstone (Cdtc). Cdtsh Interbedded siltstone, shale and sandstone (Cdtsh). Cdtm Interbedded volcaniclastic sandstone and breccia, with minor welded tuff (correlate of Mt Julia Member) (Cdtm). Cdtcs Mainly siliceous conglomerate, sandstone and siltstone (Cdtcs).</p> <p>CAMBRIAN SERIES 3</p> <p>Cdsv Interbedded volcaniclastic breccia, sandstone, siltstone and mudstone, with minor felsic lava and intrative intrusives porphyry bodies (Cdsv). Cdfs Quartz-quartz porphyry, typically with spherulitic groundmass (Cdfs). Cdfp Quartz-feldspar + biotite porphyry, mainly intrative but may be partly extrusive (Cdfp). Cdsvov Dominantly volcaniclastic sandstone and mass-flow breccia, typically quartz-feldspar-phyric (Cdsvov). Cdsvos Interbedded sandstone and siltstone (Cdsvos). Cdsvof Felsic lava, typically quartz-feldspar-phyric (Cdsvof). Cdsvr Black pyritic shale, mudstone, siltstone with minor sandstone. Marine basalts in places (Que River Shale) (Cdsvr).</p> | <p>PALEOZOIC</p> <p>CAMBRIAN</p> <p>CAMBRIAN SERIES 3</p> <p>Cdagh Andesitic to basaltic volcanics with some intercalated dacitic lavas and breccias (Cdagh). Cdabq Amphiboloidal basalt lava, pillow lava and hydroclastic breccia (Hellyer Basalt) (Cdabq). Cdsvdq Mainly dacitic lava and breccia, typically feldspar-quartz-phyric (Cdsvdq). Cdsvpe Polymictic 'epiclastic' breccia and grit (Cdsvpe). Cdcaq Dominantly andesitic volcanics (Cdcaq). Cdbq Dominantly basaltic volcanics ('Lower basalt') (Cdbq).</p> <p>CAMBRIAN SERIES 3</p> <p>Cdabm Micaceous quartzwacke with interbedded siltstone and black shale and minor volcaniclastic rocks (Animal Creek Graywacke and correlative) (Cdabm). Cdsvbh Interbedded tuffaceous sandstone, vitric mudstone, minor volcaniclastic breccia (Black Harry Basalt) (Cdsvbh). Cdv Dominantly feldspar-phyric volcanic and volcaniclastic rocks (Cdv). Cdvf Mainly felsic volcaniclastic and pyroclastic rocks, including pumice-bearing units (Cdvf). Cdvpe Pumice-bearing volcaniclastic rocks, usually with euditic texture (Cdvpe). Cdvms Fine-grained vitriclastic mudstone (Cdvms). Cdvf Felsic lava, typically feldspar + quartz-phyric, rhyolitic to dacitic (Cdvf).</p> | <p>INTRUSIVE ROCKS</p> <p>Cdfp Quartz-feldspar + biotite porphyry, mainly intrative (Cdfp). Cdfbp Quartz-feldspar-biotite + hornblende porphyry (Cdfbp). Cdfs Feldspar-quartz porphyry, typically with spherulitic ground mass (Cdfs). Cdsm Dolerite related to Que-Hellyer Volcanics (Mt Charter dolerite) (Cdsm).</p> <p>ALTERATION AND MINERALISATION</p> <p>qv Major quartz vein - probably Devonian (qv). Cxba Barite body (Cxba). Cxm Metallic orebody, projected to surface or mined out in some cases (Cxm). Chys Pyritic schist, typically with sericite + chlorite + quartz (Chys).</p> | <p>CONTACTS</p> <p>Geological contact. Geological contact - inferred. Limit of mapping of sub-unit within undifferentiated rock unit.</p> <p>FAULTS</p> <p>Fault. Fault - inferred. Fault - concealed.</p> <p>LINERS</p> <p>Axial surface trace of major synform. Axial surface trace of major early synform. Subsurface geological boundary projected to surface.</p> | <p>INTRUSIVE ROCKS</p> <p>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 ply alignment. Trend and plunge of hinge line of minor antiform, unspecified relative age. Trend of horizontal hinge line of minor synform, unspecified relative age.</p> <p>ALTERATION AND MINERALISATION</p> <p>Mineral deposit location - hardrock. Mineral deposit location - alluvial/alluvial fans. Construction material/industrial mineral/gemstone location.</p> | <p>SOURCE DIAGRAM</p> <p>Compiled by K.D. Corbett, B.Sc. (Hons), Ph.D. 1995 from the following sources (see source diagram): A BARTON, C.M. et al. 1966. Geological Atlas 1:63 360 Series. Sheet 44 (807A), Mackintosh. Department of Mines, Tasmania. B KOMYSHAN, P. 1986. Geology of the Mt Charter - Hellyer area. Mt Charter Volcanics Project Map 1. Department of Mines, Tasmania. C VICAR, M.J. and PEMBERTON, J. 1988. Geology of the Back Peak-Cradle Mountain Link Road area. Mt Charter Volcanics Project Map 7. Department of Mines, Tasmania. D RICHARDSON, S.M. 1994. Exploration Licence 10687 Lake Mackintosh Tasmania. Progress report for the period April 1993 to February 1994. Abertoye Resources Ltd. TCR 94-3537.</p> <p>Updated by: E Revised and updated after WTRMP studies by K.D. Corbett, 2003.</p> |
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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
GDSM - MGA Zone 55. Contour interval: 20 metres.

LOCATION DIAGRAM

INDEX TO ADJOINING SHEETS

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| LUNA | PARISE | LEA |
| RAMSAY | CHARTER | PENCIL PINE |
| PARSONS | BLACK | CRADLE |

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