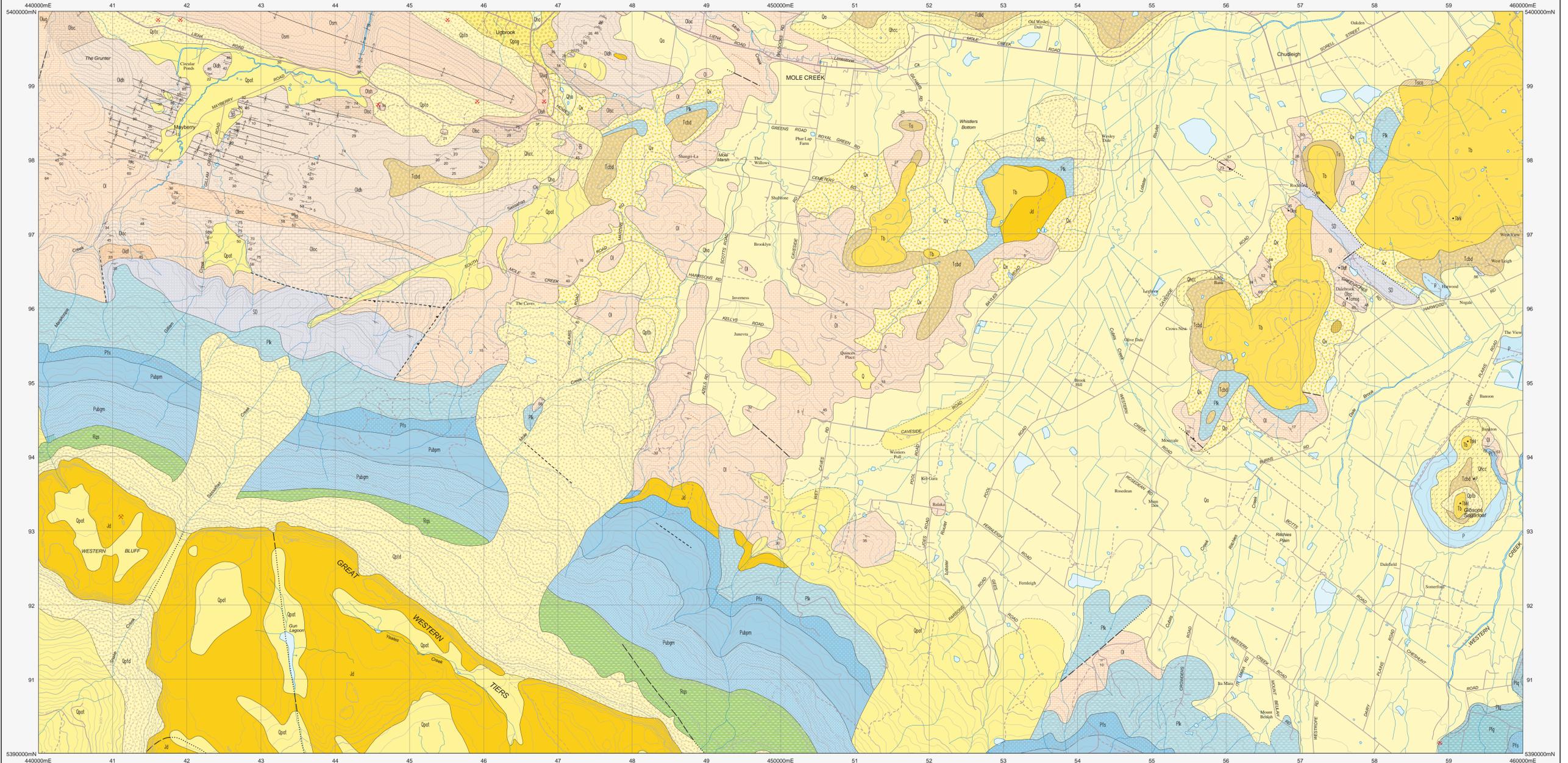
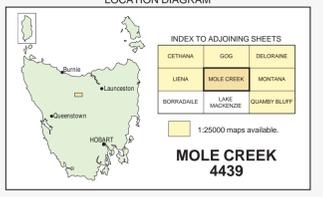
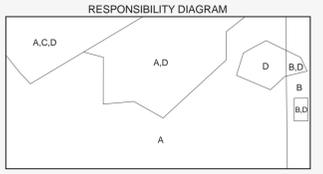


MOLE CREEK

Scale: 1:25 000



<p>GENEOZOIC</p> <p>QUATERNARY</p> <p>PLEISTOCENE</p> <p>PALEOCENE - NEOCENE</p> <p>MESOZOIC</p> <p>PERMIAN</p> <p>UPPER SUBGROUP</p> <p>LOWER SUBGROUP</p>	<p>HOLOCENE</p> <p>Qdnc Colluvium with dolerite boulders and cobbles derived from Paleogene-Neogene dolerite conglomerate (Dnc).</p> <p>Qda Younger Stream alluvium, marsh and swamp deposits (Qda).</p> <p>Qpaq Older alluvium, dominantly of river terraces, dominantly cobble-boulder gravel (Qpaq).</p> <p>Qv Slope deposits derived from Tertiary units (Qv).</p> <p>Qatb Basalt tuffs (Qatb).</p> <p>Qatd Tuffs consisting dominantly of dolerite boulders (Qatd).</p> <p>Qp Tuff, tuff and alluvial gravels (Qp).</p> <p>Tb Basalt (Tb), Alkali olivine basalt/hawaiite (Tbh).</p> <p>Tsmg Silicified gravel deposits (Tsmg).</p> <p>Tsco Inter- and sub-basalt gravels of predominantly quartzite pebbles (Tsco).</p> <p>Tcbd Poorly sorted large boulder to pebble grade deposits, clasts dominantly of dolerite, clayey matrix (Tcbd).</p> <p>Rps Erosional surface.</p> <p>Pp Cross bedded quartz sandstone, feldspathic sandstone and shale (Rps).</p> <p>Pcfl Carbonaceous sandstone and shale with plant fossils (Jackey Formation) (Pcfl).</p> <p>Pubgm Unfossiliferous pebbly siltstone, siltstone and sandstone (correlate of Bagan Gap Group but including the Garcia Sandstone) (Pubgm).</p> <p>P Sandstone, mudstone and pebbly mudstone with marine fossils (correlate of Postina Group but excluding the Garcia Sandstone) (P).</p> <p>Pfsg Dominantly well-sorted quartz sandstone, normally cross-bedded or laminated and commonly with interbedded and laminated carbonaceous shale, lesser conglomerate and rare coal (Lilley Sandstone) (Pfsg).</p> <p>Pfg Predominantly fossiliferous and erratic rich mudstone, shale, limestone and sandstone (Golden Valley Group) (Pfg).</p> <p>Pk Unfossiliferous dark grey pyritic mudstone (Quamby Mudstone) (Pk).</p> <p>Pq Interbedded conglomerate, pebbly sandstone and siltstone, and rhyolite fossiliferous limestone (Kansas Creek beds) (Pq).</p> <p>Pt Tiltite and erratic rich mudstone (Stokers Tiltite) (Pt).</p> <p>Angular unconformity.</p>	<p>SILURIAN-DEVONIAN</p> <p>PALEOZOIC</p> <p>ORDOVICIAN</p> <p>MESOZOIC</p> <p>JURASSIC</p>	<p>SD Quartz sandstone, laminated siltstone and shale (SD).</p> <p>Oldf Coralline calcareous, sparsely fossiliferous micrite and minor black shale (Den Formation) (Oldf).</p> <p>Oloc Unfossiliferous dolomitic micrite, dolomitic siltite, dolomitic and dolosiltites (Overflow Creek Formation) (Oloc).</p> <p>Oimc Fossiliferous red to grey quartz siltstone, black shale, calcarenite and minor micrite (Mole Creek Formation) (Oimc).</p> <p>Oldh Interbedded micrite and dolomitic micrite, nodular chert and bioturbation common (Dogs Head Formation) (Oldh).</p> <p>Oid Interbedded micrite and slightly dolomitic micrite with basal calcarenite (Sassatras Creek Formation) (Oid).</p> <p>Oliq Nodular micritic limestone and bioturbated pyritic mudstone. Sparsely fossiliferous (Upstroke Formation) (Oliq).</p> <p>Oclh Oncolitic carbonate and minor dolomitic micrite and calcarenite (Standard Hill Formation) (Oclh).</p> <p>Osm Fine grey to pink, commonly cross-bedded quartz sandstone, coarse and pebbly towards base with tubular trace fossils in upper sequences (correlate of Moira Sandstone) (Osm).</p>	<p>INTRUSIVE ROCKS</p> <p>Jd Dolerite and related rocks (Jd).</p>	<p>ELDON GROUP</p> <p>GORDON GROUP</p> <p>OWEN GROUP</p>	<p>Geological boundary - position accurate or approximate.</p> <p>Geological boundary - inferred.</p> <p>Lithological trend line, including bedding trace interpreted from aerial photographs.</p> <p>Fault - position accurate or approximate.</p> <p>Fault - inferred.</p> <p>Fault - concealed.</p> <p>Fault (downthrow side indicated) - position accurate or approximate.</p> <p>Fault (downthrow side indicated) - inferred.</p> <p>Axial surface trace of major outcrop.</p> <p>Axial surface trace of major synform.</p> <p>(white line) Limit of mapping of sub-unit within undifferentiated rock unit.</p> <p>Strike and dip of bedding, right way up.</p> <p>Strike and dip of bedding, facing unknown.</p> <p>Strike and dip of cleavage of unspecified type and relative age.</p> <p>Strike of vertical cleavage of unspecified type and relative age.</p> <p>Trend and plunge of minor fold hinge line, unspecified relative age.</p> <p>Field station for adjacent readings on the map.</p> <p>Notable small outcrop with rock unit indicated.</p> <p>Notable log occurrence with rock unit indicated.</p> <p>Mineral deposit location - hardrock.</p> <p>Construction material/industrial mineral/gemstone location.</p> <p>Data derived from Mineral Resources Tasmania DEP0373 database. Data point position has not been verified in every case.</p>	<p>Compiled by M.J. Vicary, B.Sc (Hons), 2004 as part of the Western Tasmanian Regional Minerals Program, from the following sources (see responsibility diagram):</p> <p>A. JENNINGS, I.B. and BURNS, K.L. 1959. Geological Atlas 1 Mile Series, Zone 7 Sheet 45, Mesozoic, Tasmania Department of Mines.</p> <p>B. BARTON, C.M., BRAVO, A.P., GULLINE, A.B., LONGMAN, M.J., MARSHALL, B., MATHEWS, W.L., MOORE, W.R., NAVIG, J.H. and PHEE, G.P., 1969. Geological Atlas 1 Mile Series, Sheet 46 (B214N), Quaternary, Tasmania Department of Mines.</p> <p>C. BURRETT, C., BANKS, M., CLOTA, G. and SEYMOUR, D. 1989. Lithostratigraphy of the Ordovician Gordon Group, Mole Creek Tasmania. Res. Council Victoria Museum, No. 98.</p> <p>D. C. CALVER, B. WAINING Mapping and air photo interpretation, 2012-2013.</p>
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REFERENCE THIS MAP AS:
VICARY, M.J. (compiler) 2004. Digital Geological Atlas 1:25 000 Scale Series, Sheet 4439 Mole Creek, Mineral Resources Tasmania.

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Website: www.mrt.tas.gov.au

GDA94 - MGA Zone 55. Contour Interval: 20 metres.

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