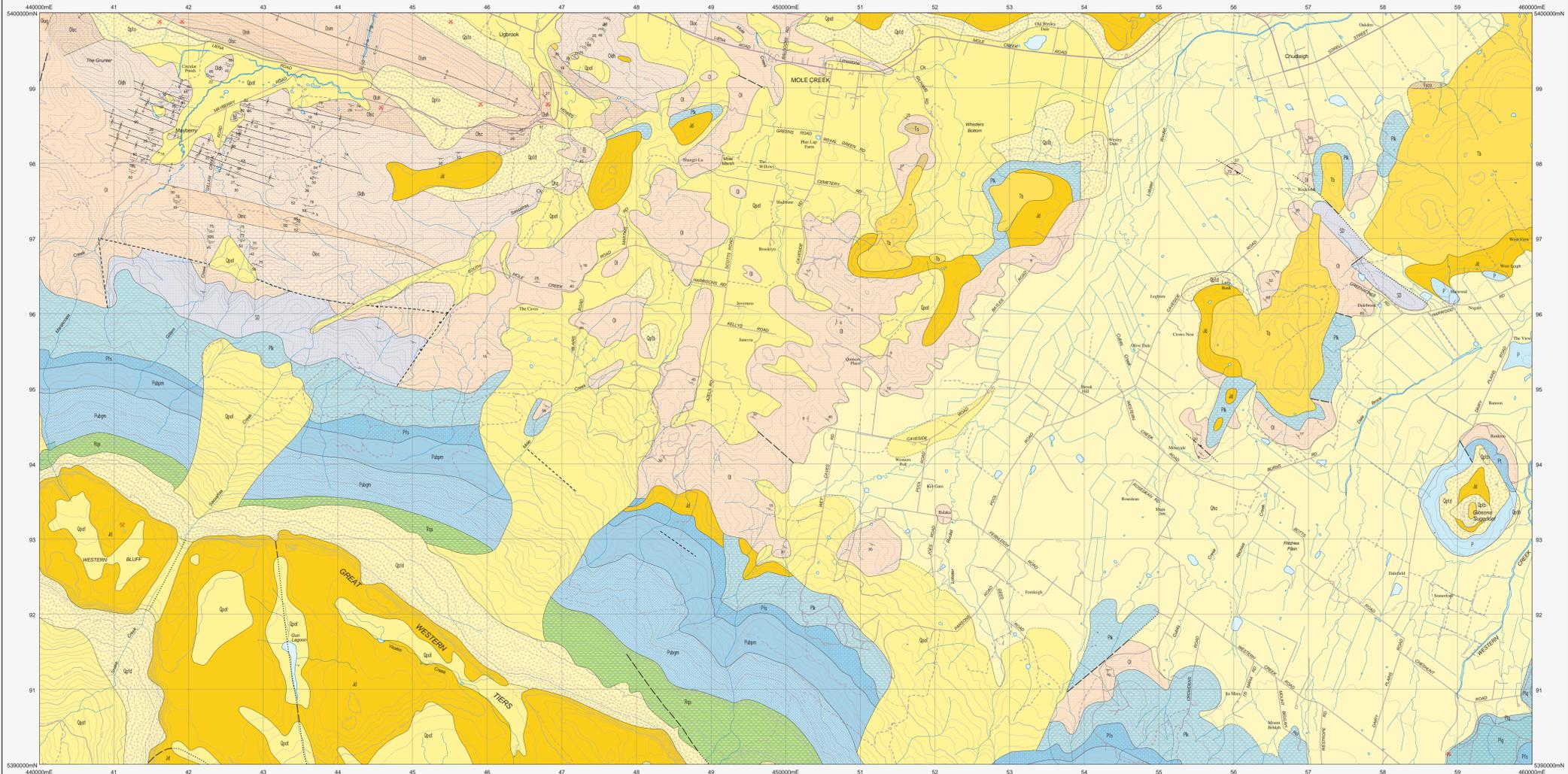


# MOLE CREEK

Scale: 1:25 000



PERMIAN	MESOZOIC	PALEOZOIC	NEOGENE - QUATERNARY	PLEISTOCENE	HOLOCENE
<p><b>Pt</b> Tillite and erratic rich mudstone (Stokers Tillite) (Pt).</p> <p><b>Pt1</b> Laminated dark grey pyritic mudstone (Quarry Mudstone) (Pt1).</p> <p><b>Pt2</b> Laminated, conglomeratic, sandy argillite and siltstone, and rhyolite fossiliferous limestone (Quarry Creek) (Pt2).</p> <p><b>Pt3</b> Laminated, conglomeratic, sandy argillite and siltstone, and rhyolite fossiliferous limestone (Quarry Creek) (Pt3).</p> <p><b>Pt4</b> Laminated, conglomeratic, sandy argillite and siltstone, and rhyolite fossiliferous limestone (Quarry Creek) (Pt4).</p> <p><b>Pt5</b> Laminated, conglomeratic, sandy argillite and siltstone, and rhyolite fossiliferous limestone (Quarry Creek) (Pt5).</p> <p><b>Pt6</b> Laminated, conglomeratic, sandy argillite and siltstone, and rhyolite fossiliferous limestone (Quarry Creek) (Pt6).</p> <p><b>Pt7</b> Laminated, conglomeratic, sandy argillite and siltstone, and rhyolite fossiliferous limestone (Quarry Creek) (Pt7).</p> <p><b>Pt8</b> Laminated, conglomeratic, sandy argillite and siltstone, and rhyolite fossiliferous limestone (Quarry Creek) (Pt8).</p> <p><b>Pt9</b> Laminated, conglomeratic, sandy argillite and siltstone, and rhyolite fossiliferous limestone (Quarry Creek) (Pt9).</p> <p><b>Pt10</b> Laminated, conglomeratic, sandy argillite and siltstone, and rhyolite fossiliferous limestone (Quarry Creek) (Pt10).</p>	<p><b>Pt11</b> Laminated, conglomeratic, sandy argillite and siltstone, and rhyolite fossiliferous limestone (Quarry Creek) (Pt11).</p> <p><b>Pt12</b> Laminated, conglomeratic, sandy argillite and siltstone, and rhyolite fossiliferous limestone (Quarry Creek) (Pt12).</p> <p><b>Pt13</b> Laminated, conglomeratic, sandy argillite and siltstone, and rhyolite fossiliferous limestone (Quarry Creek) (Pt13).</p> <p><b>Pt14</b> Laminated, conglomeratic, sandy argillite and siltstone, and rhyolite fossiliferous limestone (Quarry Creek) (Pt14).</p> <p><b>Pt15</b> Laminated, conglomeratic, sandy argillite and siltstone, and rhyolite fossiliferous limestone (Quarry Creek) (Pt15).</p> <p><b>Pt16</b> Laminated, conglomeratic, sandy argillite and siltstone, and rhyolite fossiliferous limestone (Quarry Creek) (Pt16).</p> <p><b>Pt17</b> Laminated, conglomeratic, sandy argillite and siltstone, and rhyolite fossiliferous limestone (Quarry Creek) (Pt17).</p> <p><b>Pt18</b> Laminated, conglomeratic, sandy argillite and siltstone, and rhyolite fossiliferous limestone (Quarry Creek) (Pt18).</p> <p><b>Pt19</b> Laminated, conglomeratic, sandy argillite and siltstone, and rhyolite fossiliferous limestone (Quarry Creek) (Pt19).</p> <p><b>Pt20</b> Laminated, conglomeratic, sandy argillite and siltstone, and rhyolite fossiliferous limestone (Quarry Creek) (Pt20).</p>	<p><b>Pt21</b> Laminated, conglomeratic, sandy argillite and siltstone, and rhyolite fossiliferous limestone (Quarry Creek) (Pt21).</p> <p><b>Pt22</b> Laminated, conglomeratic, sandy argillite and siltstone, and rhyolite fossiliferous limestone (Quarry Creek) (Pt22).</p> <p><b>Pt23</b> Laminated, conglomeratic, sandy argillite and siltstone, and rhyolite fossiliferous limestone (Quarry Creek) (Pt23).</p> <p><b>Pt24</b> Laminated, conglomeratic, sandy argillite and siltstone, and rhyolite fossiliferous limestone (Quarry Creek) (Pt24).</p> <p><b>Pt25</b> Laminated, conglomeratic, sandy argillite and siltstone, and rhyolite fossiliferous limestone (Quarry Creek) (Pt25).</p> <p><b>Pt26</b> Laminated, conglomeratic, sandy argillite and siltstone, and rhyolite fossiliferous limestone (Quarry Creek) (Pt26).</p> <p><b>Pt27</b> Laminated, conglomeratic, sandy argillite and siltstone, and rhyolite fossiliferous limestone (Quarry Creek) (Pt27).</p> <p><b>Pt28</b> Laminated, conglomeratic, sandy argillite and siltstone, and rhyolite fossiliferous limestone (Quarry Creek) (Pt28).</p> <p><b>Pt29</b> Laminated, conglomeratic, sandy argillite and siltstone, and rhyolite fossiliferous limestone (Quarry Creek) (Pt29).</p> <p><b>Pt30</b> Laminated, conglomeratic, sandy argillite and siltstone, and rhyolite fossiliferous limestone (Quarry Creek) (Pt30).</p>	<p><b>Ts</b> Undifferentiated Palaeogene - Neogene sediments, dominantly non-marine sequence of quartz sand, silt, clay and reprints (Ts).</p> <p><b>Ts1</b> Undifferentiated Palaeogene - Neogene sediments, dominantly non-marine sequence of quartz sand, silt, clay and reprints (Ts1).</p> <p><b>Ts2</b> Undifferentiated Palaeogene - Neogene sediments, dominantly non-marine sequence of quartz sand, silt, clay and reprints (Ts2).</p> <p><b>Ts3</b> Undifferentiated Palaeogene - Neogene sediments, dominantly non-marine sequence of quartz sand, silt, clay and reprints (Ts3).</p> <p><b>Ts4</b> Undifferentiated Palaeogene - Neogene sediments, dominantly non-marine sequence of quartz sand, silt, clay and reprints (Ts4).</p> <p><b>Ts5</b> Undifferentiated Palaeogene - Neogene sediments, dominantly non-marine sequence of quartz sand, silt, clay and reprints (Ts5).</p>	<p><b>Qp1</b> Tillite and sub-basal gravels of predominantly quartz pebbles (Qp1).</p> <p><b>Qp2</b> Tillite and sub-basal gravels of predominantly quartz pebbles (Qp2).</p> <p><b>Qp3</b> Tillite and sub-basal gravels of predominantly quartz pebbles (Qp3).</p> <p><b>Qp4</b> Tillite and sub-basal gravels of predominantly quartz pebbles (Qp4).</p> <p><b>Qp5</b> Tillite and sub-basal gravels of predominantly quartz pebbles (Qp5).</p> <p><b>Qp6</b> Tillite and sub-basal gravels of predominantly quartz pebbles (Qp6).</p> <p><b>Qp7</b> Tillite and sub-basal gravels of predominantly quartz pebbles (Qp7).</p> <p><b>Qp8</b> Tillite and sub-basal gravels of predominantly quartz pebbles (Qp8).</p> <p><b>Qp9</b> Tillite and sub-basal gravels of predominantly quartz pebbles (Qp9).</p> <p><b>Qp10</b> Tillite and sub-basal gravels of predominantly quartz pebbles (Qp10).</p>	<p><b>Qm</b> Stream alluvium, swamp and marsh deposits (Qm).</p> <p><b>Qm1</b> Stream alluvium, swamp and marsh deposits (Qm1).</p> <p><b>Qm2</b> Stream alluvium, swamp and marsh deposits (Qm2).</p> <p><b>Qm3</b> Stream alluvium, swamp and marsh deposits (Qm3).</p> <p><b>Qm4</b> Stream alluvium, swamp and marsh deposits (Qm4).</p> <p><b>Qm5</b> Stream alluvium, swamp and marsh deposits (Qm5).</p> <p><b>Qm6</b> Stream alluvium, swamp and marsh deposits (Qm6).</p> <p><b>Qm7</b> Stream alluvium, swamp and marsh deposits (Qm7).</p> <p><b>Qm8</b> Stream alluvium, swamp and marsh deposits (Qm8).</p> <p><b>Qm9</b> Stream alluvium, swamp and marsh deposits (Qm9).</p> <p><b>Qm10</b> Stream alluvium, swamp and marsh deposits (Qm10).</p>

PALEOZOIC	MESOZOIC	INTRUSIVE ROCKS
<p><b>Or</b> Oolitic carbonate and minor dolomitic micrite and calcarenite (Standard Hill Formation) (Or).</p> <p><b>Or1</b> Oolitic carbonate and minor dolomitic micrite and calcarenite (Standard Hill Formation) (Or1).</p> <p><b>Or2</b> Oolitic carbonate and minor dolomitic micrite and calcarenite (Standard Hill Formation) (Or2).</p> <p><b>Or3</b> Oolitic carbonate and minor dolomitic micrite and calcarenite (Standard Hill Formation) (Or3).</p> <p><b>Or4</b> Oolitic carbonate and minor dolomitic micrite and calcarenite (Standard Hill Formation) (Or4).</p> <p><b>Or5</b> Oolitic carbonate and minor dolomitic micrite and calcarenite (Standard Hill Formation) (Or5).</p> <p><b>Or6</b> Oolitic carbonate and minor dolomitic micrite and calcarenite (Standard Hill Formation) (Or6).</p> <p><b>Or7</b> Oolitic carbonate and minor dolomitic micrite and calcarenite (Standard Hill Formation) (Or7).</p> <p><b>Or8</b> Oolitic carbonate and minor dolomitic micrite and calcarenite (Standard Hill Formation) (Or8).</p> <p><b>Or9</b> Oolitic carbonate and minor dolomitic micrite and calcarenite (Standard Hill Formation) (Or9).</p> <p><b>Or10</b> Oolitic carbonate and minor dolomitic micrite and calcarenite (Standard Hill Formation) (Or10).</p>	<p><b>Qs</b> Quartz sandstone, laminated siltstone and shale (Qs).</p> <p><b>Qs1</b> Quartz sandstone, laminated siltstone and shale (Qs1).</p> <p><b>Qs2</b> Quartz sandstone, laminated siltstone and shale (Qs2).</p> <p><b>Qs3</b> Quartz sandstone, laminated siltstone and shale (Qs3).</p> <p><b>Qs4</b> Quartz sandstone, laminated siltstone and shale (Qs4).</p> <p><b>Qs5</b> Quartz sandstone, laminated siltstone and shale (Qs5).</p> <p><b>Qs6</b> Quartz sandstone, laminated siltstone and shale (Qs6).</p> <p><b>Qs7</b> Quartz sandstone, laminated siltstone and shale (Qs7).</p> <p><b>Qs8</b> Quartz sandstone, laminated siltstone and shale (Qs8).</p> <p><b>Qs9</b> Quartz sandstone, laminated siltstone and shale (Qs9).</p> <p><b>Qs10</b> Quartz sandstone, laminated siltstone and shale (Qs10).</p>	<p><b>Di</b> Diorite and related rocks (Di).</p> <p><b>Di1</b> Diorite and related rocks (Di1).</p> <p><b>Di2</b> Diorite and related rocks (Di2).</p> <p><b>Di3</b> Diorite and related rocks (Di3).</p> <p><b>Di4</b> Diorite and related rocks (Di4).</p> <p><b>Di5</b> Diorite and related rocks (Di5).</p> <p><b>Di6</b> Diorite and related rocks (Di6).</p> <p><b>Di7</b> Diorite and related rocks (Di7).</p> <p><b>Di8</b> Diorite and related rocks (Di8).</p> <p><b>Di9</b> Diorite and related rocks (Di9).</p> <p><b>Di10</b> Diorite and related rocks (Di10).</p>

Geological boundary - position accurate or approximate.	Geological boundary - inferred.	Fault - position accurate or approximate.	Fault - inferred.	Fault - approximated.	Fault (downthrow side indicated) - position accurate or approximate.	Fault (downthrow side indicated) - inferred.	Axial surface trace of major anticline.	Axial surface trace of major synform.	Limit of mapping of sub-units within undifferentiated rock unit.
(Solid line)	(Dashed line)	(Dotted line)	(Dash-dot line)	(Long-dashed line)	(Dash-dot-dot line)	(Short-dashed line)	(Line with triangles)	(Line with inverted triangles)	(White line)

Strike and dip of bedding, right way up.	Strike and dip of bedding, facing unknown.	Strike and dip of cleavage of unspecified type and relative age.	Strike of vertical cleavage of unspecified type and relative age.	Trend and plunge of minor fold hinge line, unspecified relative age.	Mineral deposit location - hardrock.	Contraction material/industrial mineral/generation location.
(Arrow pointing up)	(Arrow pointing down)	(Arrow pointing left)	(Arrow pointing right)	(Arrow pointing left and right)	(Star symbol)	(Cross symbol)

Compiled by M.J. Vicary, B.Sc (Hons), 2004 as part of the Western Tasmania Regional Minerals Program, from the following sources (see responsibility diagram):

A. JENNINGS, I.B. and BURROUGHS, K.L. 1954. Geological Atlas 1 Mile Series, Zone 7 Sheet 63, Middlesex, Tasmania Department of Mines.

B. BARTON, C.M., BRAY, P., GULLIE, A.B., LONGMAN, M.J., MARSHALL, B., HAYNES, W.L., WOODS, W.D., LINDSEY, L.H. and PAUL, G.P. 1980. Geological Atlas 1 Mile Series, Sheet 44 (3214N), Queen Victoria, Tasmania Department of Mines.

C. BURRITT, C., BANKS, M., CLOFFA, G. and SEYMOUR, D. 1988. Lithostratigraphy of the Oatfield-Gordon Group, Mole Creek Tasmania. Res. Queen Victoria Museum, No. 96.

Data derived from Mineral Resources Tasmania, DEPOSIT locations. (Qp) (Qm) position has not been verified in every case.

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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Map produced by the Geoscience Information Branch of Mineral Resources Tasmania using G.I.S. software.

GDMS4 - MGA Zone 56. Contour interval 20 metres.

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