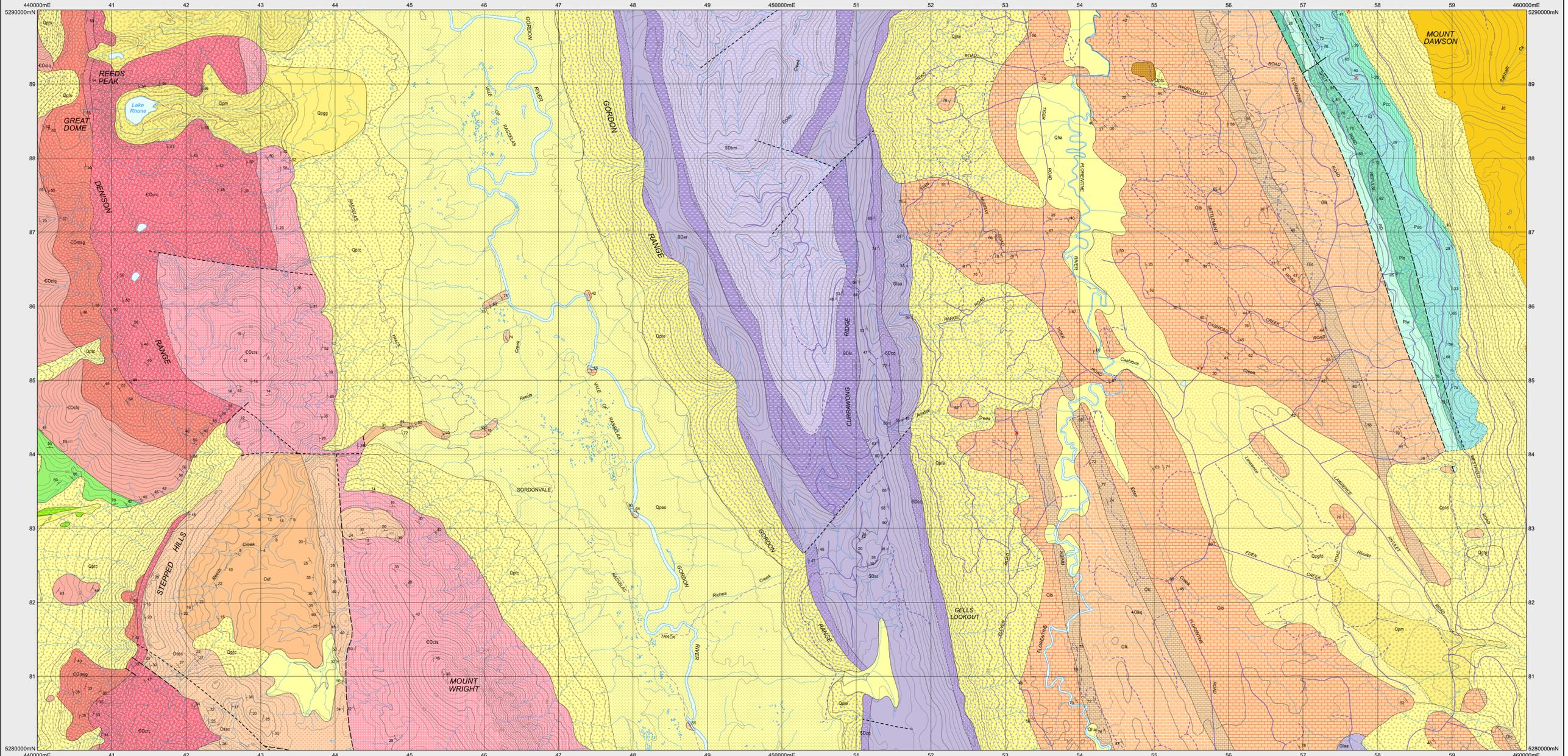


GORDONVALE

Scale 1:25 000



PERMIAN	DEVONIAN	SILURIAN	ORDOVICIAN	CAMBRIAN
<p>Qha Undifferentiated Quaternary sediments (Q). Stream alluvium, swamp and marsh deposits (Qha).</p> <p>Qpfs Talus, fill and scree of probable Pleistocene age (Qpt). Talus composed of predominantly ferriferous fragments (Qpfs).</p> <p>Qpdt Talus consisting dominantly of dolerite boulders (Qpdt).</p> <p>Qpdl Talus of dolerite and subordinate Lower Permian rocks (Qpdl).</p> <p>Qp Scree, talus and associated colluvium - derived from Eldon Group rocks (Qp).</p> <p>Q Talus of siliceous conglomerate (Qptc).</p> <p>Qp Talus of dominantly quartz sandstone (Qp).</p> <p>Qpao Older alluvium of river terraces (Qpao).</p> <p>Qp Pleistocene glacial and glaciogenic deposits (Qp).</p> <p>Qp Well-sorted fluvio-glacial deposits, dominantly of dolerite cobbles (Qp).</p> <p>Qm Till with moraine ridge crests (Qm).</p> <p>Tfb Laterite derived from Paleogene - Neogene (Tfb).</p>	<p>P Pu Undifferentiated fossiliferous glauconitic sandstone, siltstone and limestone (Deep Bay Formation, Bonedale Limestone, Nessau Siltstone and Rayner Sandstone) (Pu).</p> <p>P Pm Sparingly to richly fossiliferous marine siltstone, mudstone, sandstone and impure limestone with limestones (correlate of Bandula Formation) (Pm).</p> <p>P Pw Uniform, poorly bedded dark grey marine mudstone and siltstone with sparse glauconites, fossils, limestones and pyrite nodules (correlate of Woody Island Siltstone) (Pw).</p> <p>P Px Tillite, rhythmites, conglomerate and lithic sandstone with dropstones (correlate of Truro Tillite) (Px).</p>	<p>SD SDm Shallow marine quartz sandstone, siltstone and shale (Eldon Group correlatives) (SD). Thinly bedded, poorly fossiliferous, grey micaceous fine-grained sandstone and siltstone, lying upward to dominantly siltstone and mudstone (McLeod Creek Formation) (SDm).</p> <p>SD SDc Massive very well-sorted, poorly fossiliferous, very fine-grained quartz sandstone and subordinate micaceous siltstone, Late Silurian fossils recorded (Curlew Quartzite) (SDc).</p> <p>SD SDar Well-bedded, usually bioturbated, buff to grey-green micaceous siltstone with minor thin layers of fine-grained sandstone; richly fossiliferous horizons present with Late Linderooy and Wenlock faunas (Riches Siltstone) (SDar).</p> <p>SD SDq Unfossiliferous, well-sorted, fine- to very fine-grained hard quartz sandstone with common ripple marks and minor thinly interbedded micaceous mudstone (Gell Quartzite) (SDq).</p> <p>Olaa Dark grey limestone, dolomite, calcareous mudstone, minor quartz sandstone. In part fossiliferous (O). Buff-coloured micaceous very fine-grained sandstone, siltstone and mudstone, coarsening upward; richly fossiliferous with Astartid to earliest Silurian faunas (Arncliffe Sandstone, including Westfield Beds) (Olaa).</p> <p>Ola Olb Dolomitic, micritic limestone (Benjamin Limestone) (Olb).</p> <p>Olc Olc Oncolitic calcarenite (Cashions Creek Limestone) (Olc).</p> <p>Olk Olk Micritic limestone, usually with chert nodules (Kambarg Limestone) (Olk). Locally indicated by Quaternary lag of chert fragments (Olk).</p>	<p>Ost Undifferentiated shallow marine - non-marine siliclastic conglomerate - sandstone sequence - Owen Group and correlatives (CO). Siltstone and calcareous shale (Florentine Valley Formation) and correlatives including Squirrel Creek Formation (Ost).</p> <p>Osc Osc Upper marine shallow-water quartz sandstone with abundant worm casts, (lower member of Florentine Valley Formation) (Osc).</p> <p>CO COhr Interbedded cross-bedded quartz sandstone, pebbly sandstone and siliceous well-sorted pebble conglomerate (COhr).</p> <p>CO COhc Terraced shallow-water thickly-bedded siliceous-cobble conglomerate (COhc) (COhc + COhc - Reeds Conglomerate).</p> <p>CO COmg Interbedded, usually pink quartz sandstone, pebbly sandstone and pebble conglomerate (lens at top of Great Dome Sandstone) (COmg).</p> <p>CO COmg Lower marine shallow-water quartz sandstone with worm casts; minor basal conglomerate (Great Dome Sandstone) (COmg).</p> <p>CO COlc Siliceous turbiditic quartzwacke, calcareous and micaceous sandstone and siltstone, with minor conglomerate, limestone and quartzarenite; Late Cambrian (Iteamean) fossils present (Jungfrau Creek Formation and correlatives) (COlc).</p>	<p>Cas Cas Interbedded lithic conglomerate with dolomite horizons, lithic sandstone, siliceous sandstone and siltstone (upper member of Tral Ridge Beds) (Cas).</p>

INTRUSIVE ROCKS	CONTACTS	FAULTS	LINEARS
<p>Jd Dolerite (Jd).</p> <p>Csm Massive serpentinite (Csm).</p>	<p>Geological contact - inferred.</p>	<p>Geological contact - inferred.</p> <p>Fault.</p> <p>Fault - inferred.</p>	<p>Moraine ridge crest.</p>

PALEOZOIC MESOZOIC	INTRUSIVE ROCKS	CONTACTS	FAULTS	LINEARS
<p>Cam Massive serpentinite (Csm).</p>	<p>Jd Dolerite (Jd).</p> <p>Csm Massive serpentinite (Csm).</p>	<p>Geological contact - inferred.</p> <p>Fault.</p> <p>Fault - inferred.</p>	<p>Moraine ridge crest.</p>	<p>Moraine ridge crest.</p>

PALEOZOIC MESOZOIC	INTRUSIVE ROCKS	CONTACTS	FAULTS	LINEARS
<p>Cam Massive serpentinite (Csm).</p>	<p>Jd Dolerite (Jd).</p> <p>Csm Massive serpentinite (Csm).</p>	<p>Geological contact - inferred.</p> <p>Fault.</p> <p>Fault - inferred.</p>	<p>Moraine ridge crest.</p>	<p>Moraine ridge crest.</p>

SOURCE DIAGRAM	LOCATION DIAGRAM
<p>Compiled by J.L. Everard, B.Sc(Hons), 2007 from the following sources (see source diagram):</p> <p>A. BROWN, A.V.; McCLEAGHAN M.P.; TURNER, N.J.; McCLEAGHAN, J.; LENOX, P.G. & WILLIAMS, P.R. 1982. Geological Atlas 1:50 000 Series, Sheet 73 (8112N), Huonley, Tasmania Department of Mines.</p> <p>B. SHARPLES, C. 2002. Reconnaissance mapping of soil parent materials in the East Florentine and Upper Tyenna Valleys - report to Forestry Tasmania (Therwest Division).</p>	<p>INDEX TO ADJOINING SHEETS</p> <p>SPRIS, WILDS, CASE POKANA, GORDONVALE, ELLENDALE WIKAS, TIGER, DOBSON</p> <p>1:25 000 maps available.</p> <p>GORDONVALE 4428</p>

REFERENCE THIS MAP AS:
EVERARD, J.L. (compiler) 2008. Digital Geological Atlas 1:25 000 Scale Series, Sheet 4428 Gordonvale. Mineral Resources Tasmania.

Base data from the LIST, Copyright State of Tasmania.
Map produced by Spatial Information Services, Mineral Resources Tasmania.
Website: www.mrt.tas.gov.au
GDSM - MGA Zone 55. Contour Interval: 20 metres.

While every care has been taken in the preparation of this data, no warranty is given as to the correctness of the information and no liability is accepted for any statement or opinion or for any error or omission. No reader should act or fail to act on the basis of any material contained herein. Readers should consult professional advisers. As a result the Crown in Right of the State of Tasmania and its employees, contractors and agents expressly disclaim all and any liability (including all liability from or attributable to any negligent or wrongful act or omission) to any persons whatsoever in respect of anything done or omitted to be done by any such person in reliance whether in whole or in part upon any of the material in this data.
Crown copyright reserved.