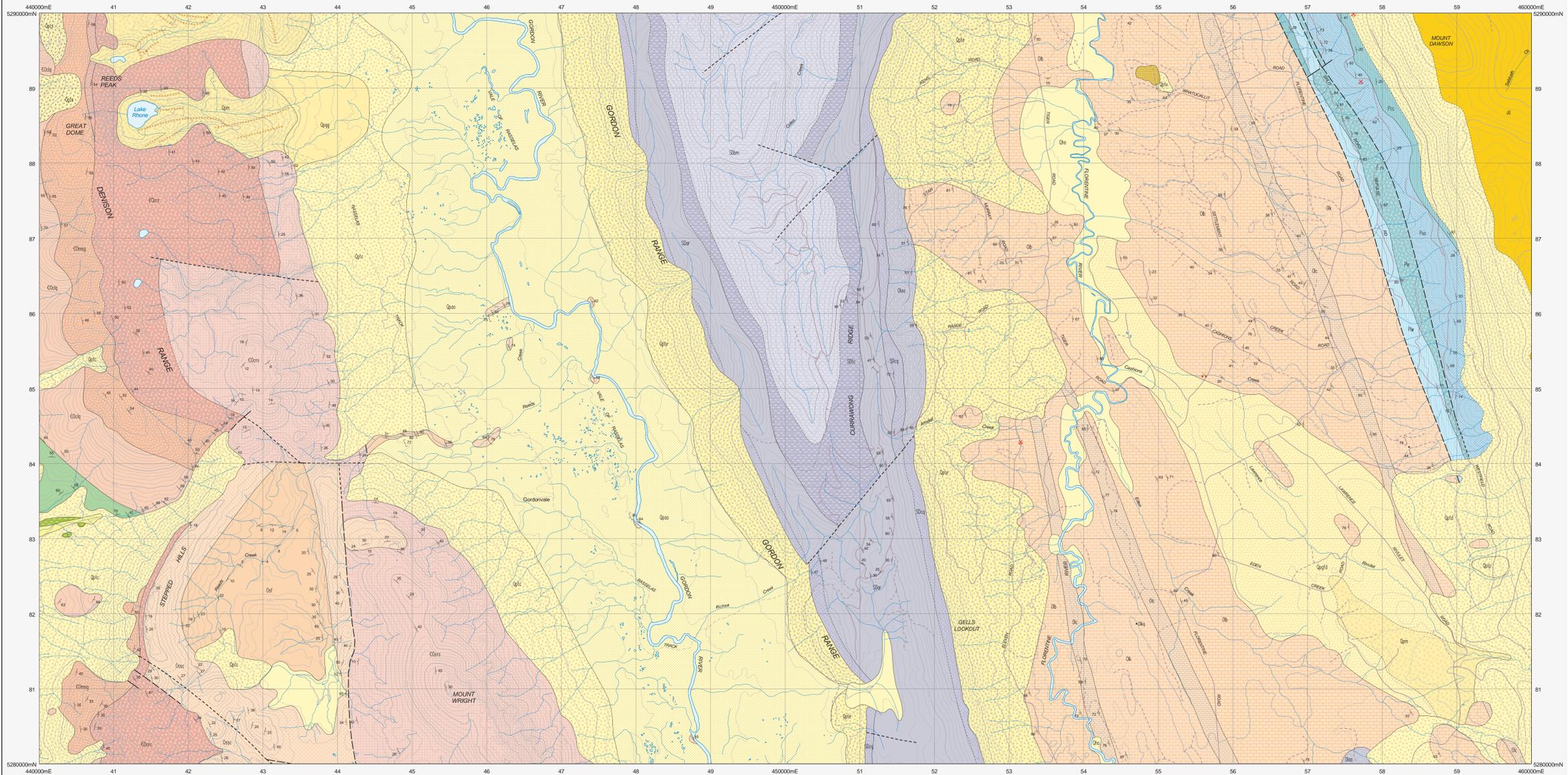


GORDONVALE

Scale: 1:25 000



QUATERNARY	UNIT	DESCRIPTION
Q	Qha	Undifferentiated Quaternary sediments (Q).
	Qha	Stream alluvium, swamp and marsh deposits (Qha).
	Qptk	Talus, fill and scree of probable Pleistocene age (Qpt).
	Qptk	Talus composed of predominantly ferriferous fragments (Qptk).
	Qpdt	Talus consisting dominantly of dolerite boulders (Qpdt).
	Qpdp	Talus of dolerite and subordinate Lower Permian rocks (Qpdp).
	Qpdc	Scree, talus and associated colluvium - derived from Eldon Group rocks (Qpdc).
	Qpdc	Talus of siliceous conglomerate (Qpdc).
	Qpdt	Talus of dominantly quartz sandstone (Qpdt).
	Qpoo	Older alluvium of river terraces (Qpoo).
	Qpqa	Pleistocene glacial and glaciogenic deposits (Qpqa).
	Qpfd	Well-sorted fluvio-glacial deposits, dominantly of dolerite cobbles (Qpfd).
	Qpm	TB with moraine ridge crests (Qpm).
	Tb	Laterite derived from Paleogene - Neogene (Tb).

PERMIAN	UNIT	DESCRIPTION
UPPER <td>Pcc</td> <td>Freshwater cross-bedded feldspathic sandstone, micaceous siltstone, carbonaceous beds and coal lenses of place (correlate of Cynnet Coal Measures) (Pcc).</td>	Pcc	Freshwater cross-bedded feldspathic sandstone, micaceous siltstone, carbonaceous beds and coal lenses of place (correlate of Cynnet Coal Measures) (Pcc).
	Puo	Undifferentiated fossiliferous glauconitic sandstone, siltstone and limestone (Deep bay Formation, Serravallo Limestone, Hazou Siltstone and Rymer Sandstone) (Puo).
LOWER <td>Pfe</td> <td>Sparsely to richly fossiliferous marine siltstone, mudstone, sandstone and impure limestone with hostones (correlate of Bundab Formation) (Pfe).</td>	Pfe	Sparsely to richly fossiliferous marine siltstone, mudstone, sandstone and impure limestone with hostones (correlate of Bundab Formation) (Pfe).
	Pfw	Uniform, poorly bedded dark grey marine mudstone and siltstone with sparse planolites, fossil, laminations and pyrite nodules (correlate of Moody Island Siltstone) (Pfw).
	Ptx	Tuffs, rhythmites, conglomerate and lithic sandstone with dropstones (correlate of Truro Tuffs) (Ptx).

PALEOZOIC MESOZOIC	UNIT	DESCRIPTION
CAMBRIAN JURASSIC	SDbm	Thinly bedded, poorly fossiliferous, grey micaceous fine-grained sandstone and siltstone, fining upward to dominantly siltstone and mudstone (McLeod Creek Formation) (SDbm).
	SDic	Massive very well-sorted, poorly fossiliferous, very fine-grained quartz sandstone and subordinate micaceous siltstone. Late Silurian fossils recorded (Curramwing Group) (SDic).
	SDar	Uniform, poorly bedded dark grey marine mudstone and siltstone with sparse planolites, fossil, laminations and pyrite nodules (correlate of Moody Island Siltstone) (SDar).
	SDoc	Dark grey limestone, dolomite, calcareous mudstone, minor quartz sandstone, in part fossiliferous (Oz) buff-colored micaceous very fine-grained sandstone, siltstone and mudstone, coarsening upward, richly fossiliferous with spongia to worked Silurian faunas (Great Sandstone, including Westfield Beds) (SDoc).
	Ol	Dolomitic, micritic limestone (Benjamin Limestone) (Ol).
	Olc	Oncolitic calcarenite (Cashes Creek Limestone) (Olc).
	Ok	Martic limestone, usually with chert nodules (Warberry Limestone) (Ok). Locally indicated by Quaternary top of chert fragments (Okq).
	Osf	Siltstone and calcareous shale (Florestine Valley Formation) and correlates including Squire Creek Formation (Osf).
	Ossc	Upper marine shallow-water quartz sandstone with abundant worm casts, (lower member of Florestine Valley Formation) (Ossc).
	EOcrs	Interbedded cross-bedded quartz sandstone, pebbly sandstone and siliceous well-sorted pebble conglomerate (EOcrs).
DEVONIAN <td>CO</td> <td>Terrestrial shallow-water, thickly-bedded siliceous-cobble conglomerate (COcrs) (COcrs + EOcrs - Reeds Conglomerate).</td>	CO	Terrestrial shallow-water, thickly-bedded siliceous-cobble conglomerate (COcrs) (COcrs + EOcrs - Reeds Conglomerate).
	COmcp	Interbedded, usually pink, quartz sandstone, pebbly sandstone and pebble conglomerate (lens at top of Great Dome Sandstone) (COmcp).
	COmgs	Lower marine shallow-water quartz sandstone with worm casts; minor basal conglomerate (Great Dome Sandstone) (COmgs).
	COclq	Siliceous tabular quartzite, calcareous and micaceous sandstone and siltstone, with minor conglomerate, limestone and quartzite. Latic Cambrian (Tasman) fossils present (Gingee Creek Formation and correlate) (COclq).
ORDOVICIAN <td></td> <td>Angular unconformity.</td>		Angular unconformity.
	Cns	Interbedded lithic conglomerate with dolomite horizons, lithic sandstone, siliceous sandstone and siltstone (upper member of Trial Ridge Beds) (Cns).

INTRUSIVE ROCKS	UNIT	DESCRIPTION
	Id	Dolerite (Id).
	Csm	Massive serpentine (Csm).

BOUNDARIES	SYMBOL	DESCRIPTION
Geological boundary - position accurate or approximate.	—	
Geological boundary - inferred.	- - -	
Fault - unspecified type, position accurate or approximate.	— —	
Fault - unspecified type, inferred.	- - - —	
Marshall ridge crest.	

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

GDAS4 - 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.

Compiled by J.L. EVERARD, B.Sc.(Hons), 2007 from the following sources (see responsibility diagram):
A. BROWN, J.V.; MCKENAGHAN, M.P.; TURNER, N.J.; MCKENAGHAN, J.; LENNOX, P.G. & WILLIAMS, P.R. 1982. Geological Atlas 1:50 000 Series, Sheet 73 (8112N), Hurstley, Tasmania Department of Mines.
B. SHARPLES, C. 2002. Reconnaissance mapping of soil parent materials in the East Foreline and Upper Tyenna Valleys - report to Forestry Tasmania (Forest Division).

