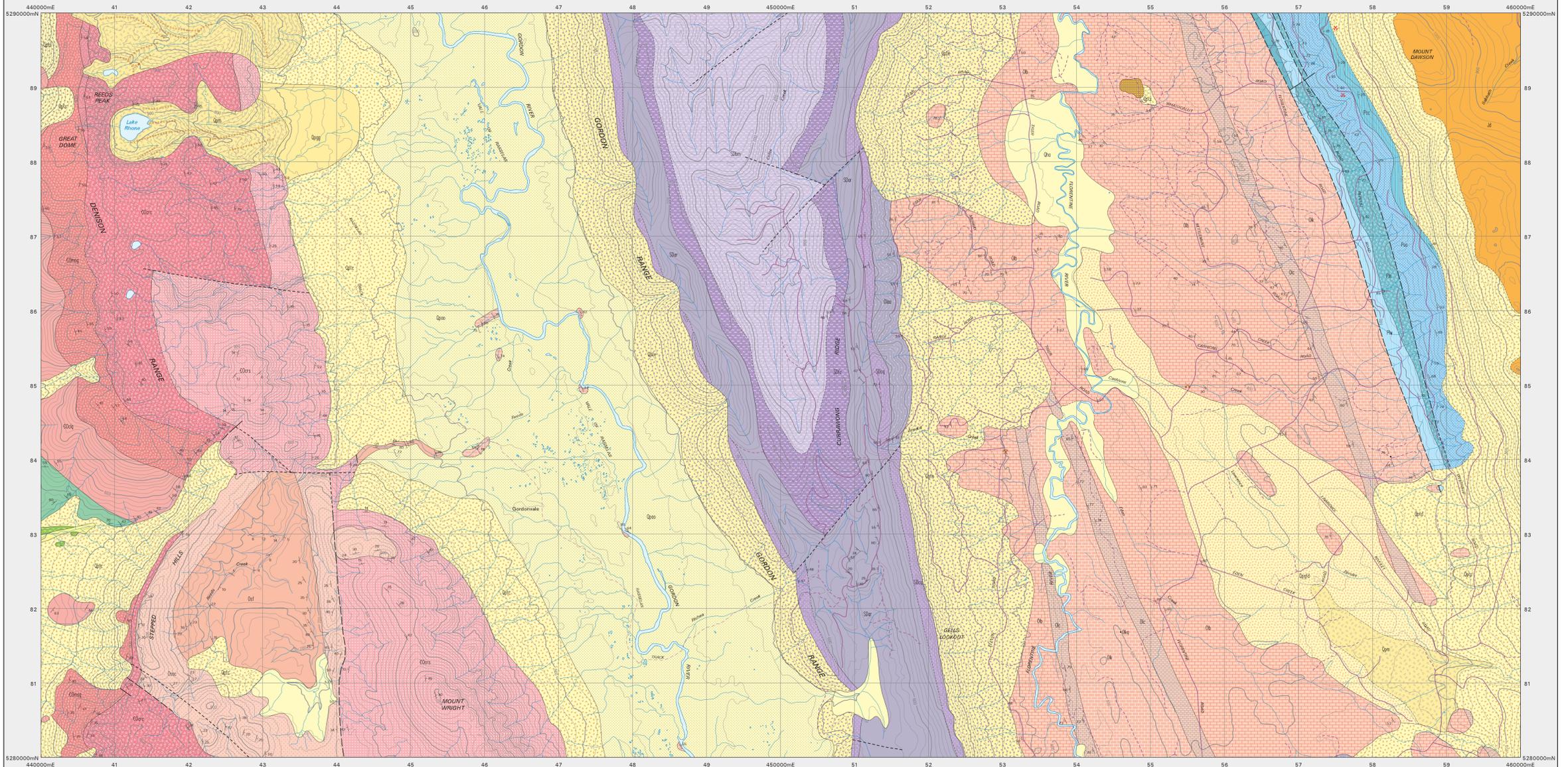


GORDONVALE

Scale: 1:25 000



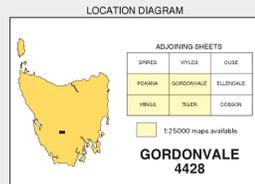
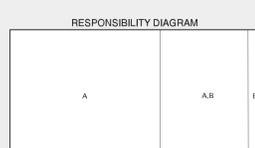
CENOZOIC	
QUATERNARY	
Qna	Undifferentiated Quaternary sediments (Q).
Qta	Stream alluvium, swamp and marsh deposits (Qta).
Qpt	Talus, fill and scree of probable Pleistocene age (Qpt).
Qptf	Talus composed of predominantly terricrete fragments (Qptf).
Qptd	Talus consisting dominantly of dolerite boulders (Qptd).
Qdp	Talus of dolerite and subordinate Lower Permian rocks (Qdp).
Qdpc	Scree, talus and associated colluvium - derived from Elton Group rocks (Qdpc).
Qdca	Talus of siliceous conglomerate (Qdca).
Qdcb	Talus of dominantly quartz sandstone (Qdcb).
Qpoo	Older alluvium of river terraces (Qpoo).
Qpog	Pleistocene glacial and glaciogenic deposits (Qpog).
Qpof	Well-sorted fluvial deposits, dominantly of dolerite cobbles (Qpof).
Qpm	Till with moraine ridge crests (Qpm).
Tlb	Laterite derived from Tertiary Basalt (Tlb).
Low angle unconformity	

PALEOZOIC	
EARLY DEVONIAN	
Pfc	Freshwater cross-bedded felspathic sandstone, micaceous siltstone, carbonaceous beds and coal lenses at places (correlate of Cygnet Coal Measures) (Pfc).
Pdp	Undifferentiated fossiliferous glauconitic sandstone, siltstone and limestone (Deep Bay Formation, Berrade Limestone, Nassau Siltstone and Rymer Sandstone) (Pdp).
Pm	Sparsely to richly fossiliferous marine siltstone, mudstone, sandstone and impure limestone with limestones (correlate of Bundala Formation) (Pm).
Pm	Uniform, poorly bedded dark grey marine mudstone and siltstone with sparse sponges, fossils, limestones and quartz nodules (correlate of Rocky Island Siltstone) (Pm).
Ptk	Tuffs, rhyolites, conglomerate and lithic sandstone with dropstones (correlate of Truro Tuff) (Ptk).
Angular unconformity	
MIDDLE DEVONIAN	
SDem	Thinly bedded, poorly fossiliferous, grey micaceous fine-grained sandstone and siltstone, fining upward to dominantly siltstone and mudstone (Melwood Creek Formation) (SDem).
SDic	Massive very well-sorted, poorly fossiliferous, very fine-grained quartz sandstone and subordinate micaceous siltstone, Late Silurian faunal record (Carranang Quartzite) (SDic).
SDor	Well-bedded, usually bioturbated, buff to grey-green micaceous siltstone with minor thin layers of fine-grained sandstone; richly fossiliferous horizons present with Late Lonsdale and Wenlock faunas (Riches Siltstone) (SDor).
SDca	Unfossiliferous, well-sorted, fine to very fine-grained hard quartz sandstone with common ripple marks and minor thin interbedded micaceous mudstone (Self Quartzite) (SDca).
Dloa	Dark grey limestone, dolomite, calcareous mudstone, minor quartz sandstone, in part fossiliferous (O). Buff-colored micaceous very fine-grained sandstone, siltstone and mudstone, coarsening upward; richly fossiliferous with Ashgill to earliest Silurian faunas (Amel Sandstone, including Westfield Beds) (Dloa).
Dob	Dolomitic, micritic limestone (Benjamin Limestone) (Dob).
Dic	Oncolitic calcarenite (Coshans Creek Limestone) (Dic).
Dik	Micritic limestone, usually with chert nodules (Karrberg Limestone) (Dik). Locally indicated by Quaternary lag of chert fragments (Dik).
Dof	Siltstone and calcareous shale (Fraserville Valley Formation) and correlates including Squarial Creek Formation (Dof).
Dosc	Upper marine shallow-water quartz sandstone with abundant worm casts, (lower member of Fraserville Valley Formation) (Dosc).
CDors	Interbedded cross-bedded quartz sandstone, pebbly sandstone and siliceous well-sorted pebble conglomerate (CDors).
CDorc	Terrestrial shallow-water thick-bedded siliceous-cobble conglomerate (CDorc) (CDorc + CDors = Riches Conglomerate).
CDomsg	Interbedded, usually pink, quartz sandstone, pebbly sandstone and pebble conglomerate (lens at top of Great Dome Sandstone) (CDomsg).
CDmsg	Lower marine shallow-water quartz sandstone with worm casts; minor basal conglomerate (Great Dome Sandstone) (CDmsg).
CDca	Siliceous turbiditic quartzite, calcareous and micaceous sandstone and siltstone, with minor conglomerate, limestone and quartzite; Late Cambrian (lower) fossils present (Singing Creek Formation and correlates) (CDca).
Angular unconformity	
CDs	Interbedded lithic conglomerate with dolomite horizons, lithic sandstone, siliceous sandstone and siltstone (upper member of Trial Ridge Beds) (CDs).

INTRUSIVE ROCKS	
Jd	Dolerite (Jd).
Es	Massive serpentinite (Es).

- Geological boundary - position accurate or approximate.
- Geological boundary - inferred.
- Fault - unspecified type, position accurate or approximate.
- Fault - unspecified type, inferred.
- Marine ridge crest.
- Strike and dip of bedding - right way up overturned, facing unknown.
- Strike and dip of cleavage of unspecified type and relative age, vertical.
- Strike and dip of creolite cleavage.
- Field station for adjacent readings on the map.
- Mineral deposit location - hardrock (Data derived from Mineral Resources Tasmania DEPOSITS base. Data point position has not been verified in every case).
- Mineral deposit location - alluvial (Data derived from Mineral Resources Tasmania DEPOSITS base. Data point position has not been verified in every case).
- Construction materials location - (Data derived from Mineral Resources Tasmania DEPOSITS base. Data point position has not been verified in every case).

Compiled by J.L. EVERARD, 2007 from the following sources
see responsibility diagram:
A. BROWN, A.V., McCLENNAGHAN M.P., TURNER, N.J., McCLENNAGHAN, J., LENNOX, P.G. & WILLIAMS, P.R. 1982. Geological Atlas 1:50,000 series, sheet 73 (B173): Huonville, Tasmania Department of Mines.
B. SHAPLES, C. 2003. Reconnaissance mapping of soil parent materials in the East Florentine and Upper Tynna Valleys - report to Forestry Tasmania (Dewarnt Division).



REFERENCE THIS MAP AS:
EVERARD, J.L. 2008 (Compiler), Digital Geological Atlas 1:25,000 Series, Sheet 4428, Gordonvale, Mineral Resources Tasmania.
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Map produced by the Data Management Branch of Mineral Resources Tasmania using GIS software.
A0064 - AM2 Zone 55. Contour Interval: 20 metres.
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