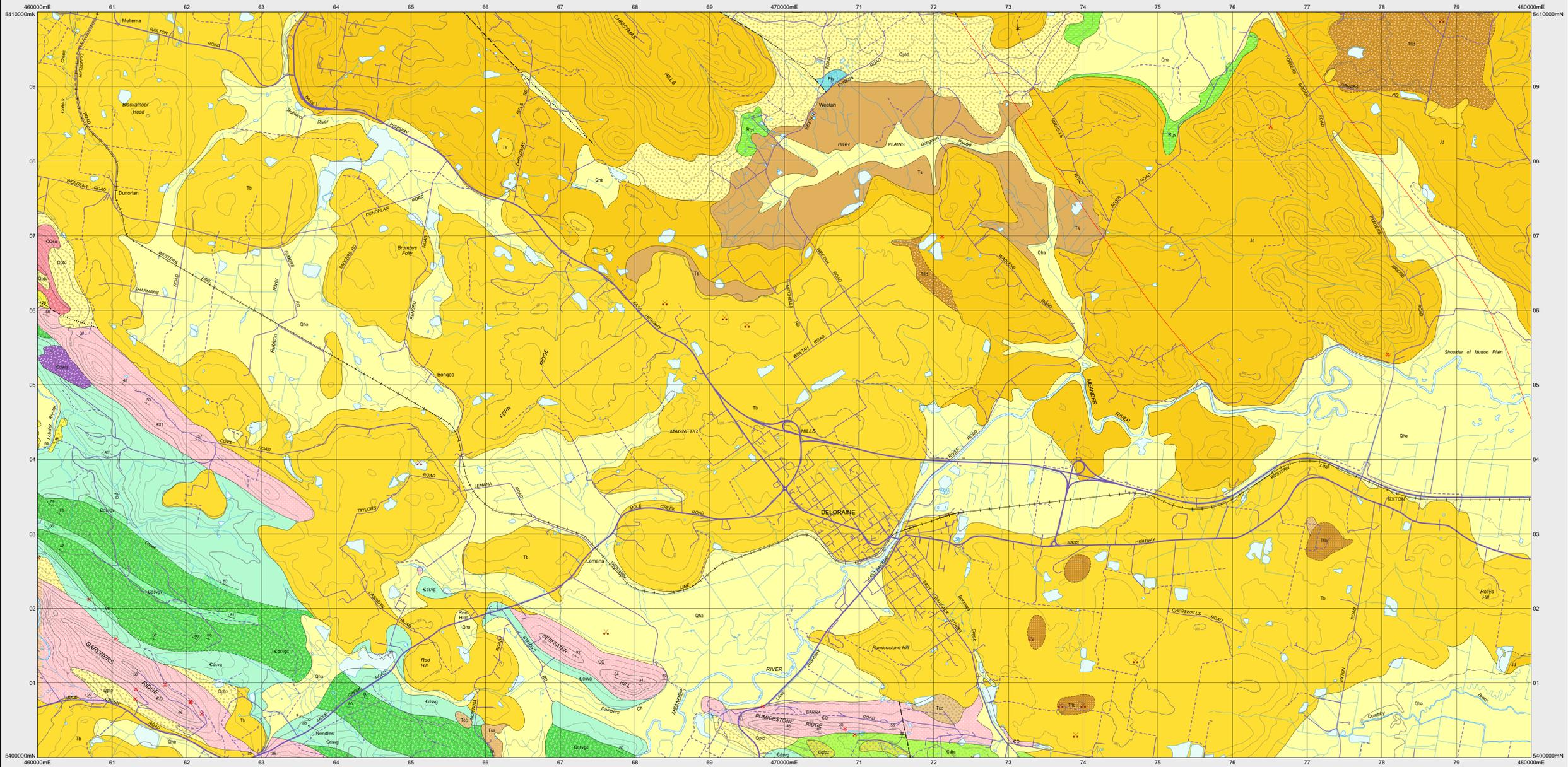


DELORAIN

Scale 1:25 000

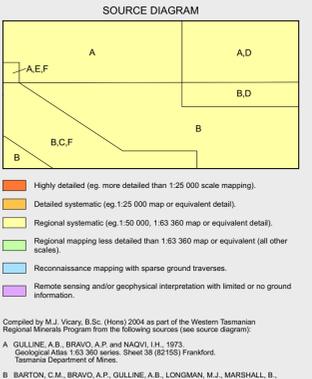


CEANOZOIC	
QUATERNARY	HOLOCENE
	Qha Stream alluvium, swamp and marsh deposits (Qha).
	Qhm Man disturbed ground (Qhm).
	Qpgr Older alluvium and river terrace deposits, dominantly cobble-boulder gravel (Qpgr).
	Qpdt Talus consisting dominantly of dolerite boulders (Qpdt).
	Qpbr Quartz sandstone and conglomerate talus derived from Owen Group corallites (Qpbr).
PLEISTOCENE	
	Ttb Lateralite developed from Paleogene - Neogene basalt (Ttb).
	Tbs Lateralite developed from Jurassic dolerite (Tbs).
	Ts Undifferentiated Tertiary sediments, dominantly non-marine sequence of quartz sand, silt, clay, and (rarely) Tb.
	Tb Basalt (Tb).
	Tsco Inter-and sub-basalt gravels of predominantly quartz pebbles (Tsco).
	Tcc Siliceous pebble to cobble conglomerate (Tcc).
	Tsa Poorly consolidated clay, silt and clayey liable sands with rare gravel and (rarely) some iron oxide-cemented layers and concretions (Tsa).

MESOZOIC	
ORDOVICIAN	PERMIAN TRINEMIAN
	Rps Cross bedded quartz sandstone, felspathic sandstone and shale (Rps).
FURONGIAN	
	Pfs Dominantly well-sorted quartz sandstone, normally cross-bedded or laminated and commonly with interbedded and laminated carbonaceous shale, lesser conglomerate and rare coal (Lilly Sandstone) (Pfs).
	COm Undifferentiated shallow marine - non-marine siliceous conglomerate - sandstone sequence - Owen Group / Gordon Group and corallites (CO). Pale grey to pink commonly cross-bedded quartz sandstone, coarse and pebbly towards base with tubular trace fossils in upper sequences (corallites of Moola Sandstone) (COm). Angular unconformity.
	COu Pink quartzite with minor conglomerate, cross-bedded in places (COu).
	COc Pale pink, quartzite-derived closed-to open-framework, massive pebble-cobble conglomerate with minor pink quartzite beds (Corallite of Road Conglomerate) (COc).
TRIASSIC	
	Cdc Volcaniclastic to siliceous conglomerate and micaceous sandstone (Cdc).
	Ccfs Quartz-feldsparspyroxenehornblende phytic porphyry, intrusive to locally extensive (Ccfs).
TINDALL GROUP	
	Cdvs Marine volcano-sedimentary and sedimentary sequences of sandstone, mudstone, conglomerate and breccia with some felsic to andesitic volcanic rocks (Gop Range Greensand) (Cdvs).
	Cdvsq Dominantly siliceous conglomerate and micaceous sandstone, typically rich in quartzite clasts (Cdvsq).
	Cdvsgr Dominantly felsic volcaniclastic sandstone, typically quartz-feldspar phytic with pumice and shertz (Cdvsgr).

PALEOZOIC MESOZOIC	
CAMBRIAN SERIES 3	JURASSIC
	Jd Dolerite and related rocks (Jd).
	Ccfs Quartz-feldsparspyroxenehornblende phytic porphyry, intrusive to locally extensive (Ccfs).
	Edm Intrusive bodies of dioritic rock (plagioclase-amphibole-minor quartz-phyric), microfoliate (plagioclase-biotite-phyric) and quartz-gabbro-norite (Edm).

CONTACTS	
Geological contact	Strike and dip of bedding, facing unknown.
Geological contact - inferred.	Strike and dip of cleavage of unspecified type and relative age.
Limit of mapping of sub-unit within undifferentiated rock unit.	Strike of vertical cleavage of unspecified type and relative age.
	Trend and plunge of lineation of unspecified type.
	Trend and plunge of minor fold hinge line, unspecified relative age.
	Mineral deposit location - hardrock.
	Mineral deposit location - alluvial/tailings.
	Construction material/industrial mineral/gemstone location.



Compiled by M.J. Vicary, B.Sc. (Hons) 2004 as part of the Western Tasmania Regional Minerals Program from the following sources (see source diagram):
A GULLINE, A.B., BRAVO, A.P. and NAZVI, I.H., 1973. Geological Atlas 1:50 360 series. Sheet 38 (82158) Frankfort. Tasmania Department of Mines.
B BARTON, C.M., BRAVO, A.P., GULLINE, A.B., LONSDALE, M.J., MARSHALL, B., MATTHEWS, W.L., MOORE, W.R., NAVIGLI, L.H. and PHEE, G.P., 1969. Geological Atlas 1:63 360 Series. Sheet 46 (82144) Quamby. Tasmania Department of Mines.
C HERRMANN, W., 1991 Annual report to 3/8/1992 EL 16390 - Delorain. Unpublished report Ouhokumpu Exploration Australia Proprietary Limited. TCR 91-3277.
D Vicary, M. 2005. Additional map compilation and review of existing maps in western Tasmania. Mineral Resources Tasmania UR2005/55
E New 1:25 000 scale mapping by D.C. Green, 1998-1999.
Updated by:
F Vicary, M. 2008. Revisions to geological maps in the southern part of the Dial Range/ Flower Mountain Trough, northern Tasmania, with emphasis on Cambrian geology. Mineral Resources Tasmania. UR2008/51.

REFERENCE THIS MAP AS:
VICARY, M.J. (compiler) 2004. Digital Geological Atlas 1:25 000 Scale Series. Sheet 4640 Delorain. 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
GD494 - MGA Zone 55. Contour Interval: 20 metres.

