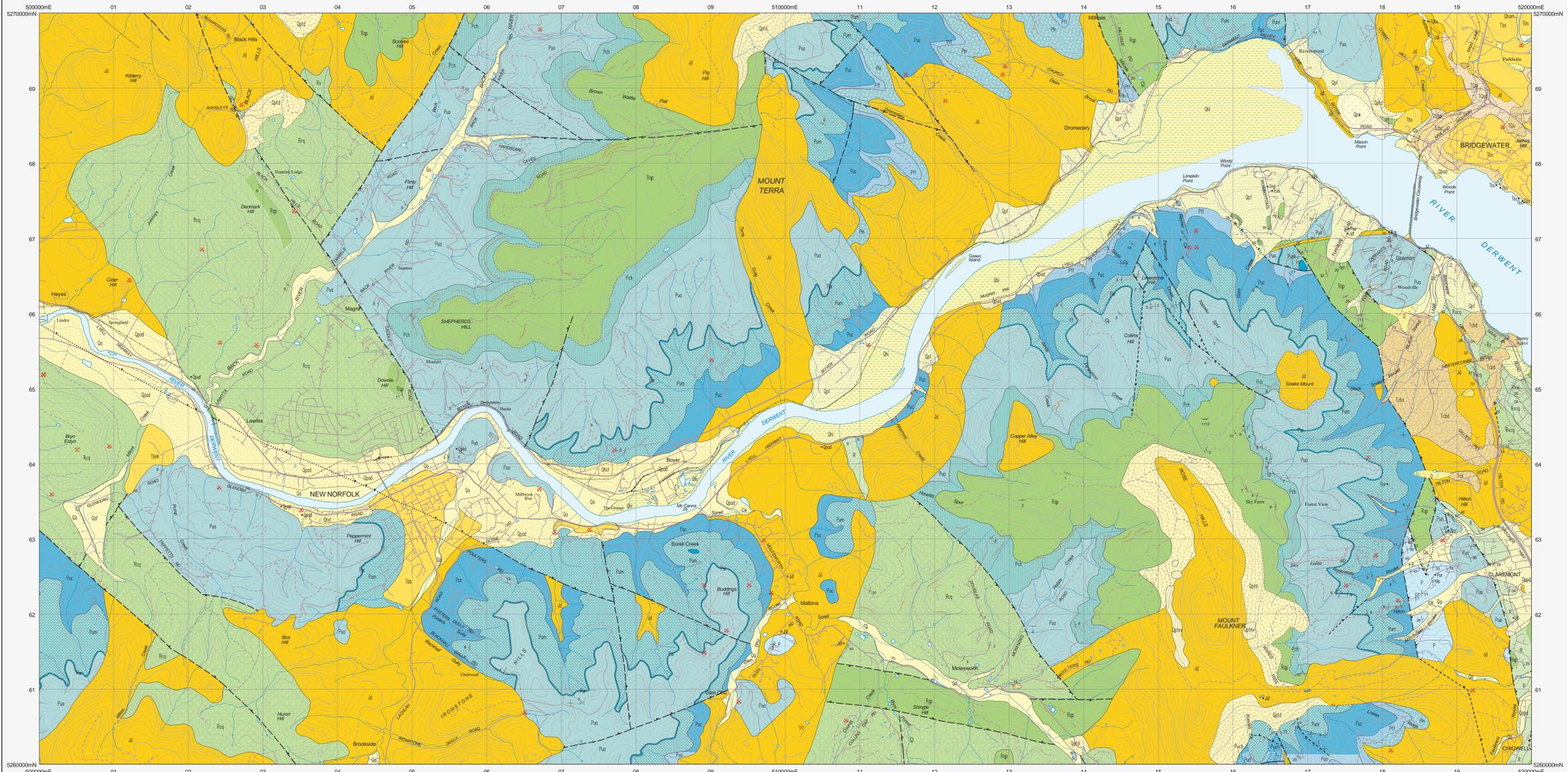


# NEW NORFOLK

Scale: 1:25 000



5270000mN 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 5200000mE

CENOZOIC	QUATERNARY	
	Q	Qm
	Qmnm	Man-made deposits including refuse areas and landfill (Qmnm).
	Qm	Aeolian and locally derived sand (Qm).
	Qd	Paralic clay, silt, sand and minor gravel deposits, includes modern salt marsh, tidal flats and deposits of older lagoons and swamps (Qd).
	Qd1	Colloquium of clayey gravel, partly consolidated in places, derived from Lower Palaeocene Supergroup rocks (Qd1).
	Qd2	Alluvial gravel, sand and clay (Qd2); alluvial fans (Qd2), alluvial and marsh deposits of modern flood plains, of gravel, sand, silt and clay commonly with organic top layer (Qd2), dominantly of gravel (Qd2).
	Qd3	Pleistocene aeolian deposits (Qd3).
	Qd4	Undifferentiated probable Last Glacial alluvial fan deposits of predominantly coarse subangular gravel, and probable Last Interglacial terrace deposits of well-sorted gravel and sand (Qd4).
	Qd5	Older alluvium of river terraces, predominantly dolerite-derived gravels (Qd5).
	Qd6	Probable Pleistocene low gradient alluvial fan and alluvial terrace deposits; clasts predominantly of dolerite (Qd6).
	Qd7	Periglacial non-vegetated scree deposits (Qd7).
	Qd8	Talus dominantly of dolerite boulders and in places subordinate Palaeocene Supergroup rocks (Qd8).
	Qd9	Clay-rich alluvial cobble deposits, clasts dominantly of weathered dolerite with subordinate well-sorted siliceous clasts (Qd9).
	Qd10	Lag deposits of siliceous cobbles, possibly derived from Palaeogene - Neogene deposits (Qd10).
	Qd11	Poorly-sorted boulder to pebble grade deposits, rare boulders of Upper Palaeocene sandstone, clayey or sandy matrix (Qd11).
	Qd12	Soar-basalt poorly lithified conglomerate with all places ferruginous cement or interbedded sandstone, clasts of well rounded cobbles and pebbles of quartz, quartzite, hornfels and traces of silicified wood and recycled Lower Palaeocene limestones (Qd12).
	Qd13	Silcrete lag (Qd13).
	Qd14	Silicified gravel deposits (Qd14).
	Qd15	Large boulder- to cobble-grade, semi-consolidated gravel with sandy clay matrix (Qd15); clasts dominantly dolerite (Qd15); clasts dominantly Upper Palaeocene Supergroup (Qd15).
	Qd16	Basalt (Tb), Tholeiite (Tb1), Basaltite (Tb2), Nephelitic basaltite (Tb3), Basalt with crude spherule, defined by pillow lava structures, basal trapezoid and masses, to vesicular basalt (Tb4), inferred basalt beneath soil or Cainozoic deposits (Tb).
	Qd17	Erosional surface.

MESOZOIC	TRIASIC	
	R	Rv
	Rv1	Thickly- to thinly-bedded volcanic tuffaceous sandstone, mudstone and coal seams, fossil plants on some horizons (Newtown Coal Measures in part) (Rv1).
	Rv2	Interbedded cross-bedded white quartzose sandstone, quartz-rich silty sandstone, siltstone and mudstone, intervals with thick dark grey carbonaceous mudstone, thin siliceous coal seams and fossil plants in places (Rv2).
	Rv3	Interbedded yellow brown or grey carbonaceous siltstone, mudstone and thin to thin-bedded quartz-rich tuffaceous sandstone, some fossil plants, common siltstone partings (Rv3).
	Rv4	Predominantly fine-grained quartz sandstone, commonly partly silicified, interbedded with mudstone and tuffaceous sandstone (Rv4).
	Rv5	Predominantly brown, buff, grey carbonaceous and green poorly-micaceous siltstone and mudstone, interbedded with tuffaceous sandstone, quartz sandstone and thin beds of silicified sandstone (Rv5).
	Rv6	Interbedded micaceous brown red-purple, green and grey carbonaceous siltstone, shale, mudstone and planar-bedded, ripple-laminated or cross-bedded sandstone (Rv6).
	Rv7	Freshwater, predominantly cross-bedded, quartzose to feldspathic sandstone, commonly with overturned cross-bedding, and subordinate micaceous siltstone (Rv7) - (Rochester Formation) (Rv7).
	Rv8	Freshwater, predominantly cross-bedded feldspathic sandstone and micaceous siltstone, minor thin beds of quartz-pebble conglomerate; upper interval less feldspathic (consists of Upper Coal Measures) (Rv8).
	Rv9	Generally unfossiliferous, glauconitic interbedded non-fossiliferous and fossiliferous siltstone and minor poorly-sorted pebbly sandstone (Abley Bay Formation) (Rv9).
	Rv10	Moderately well-sorted, fine to medium-grained marine feldspathic sandstone with quartz granules and pebbles and thin pebbly layers (Rochester Sandstone) (Rv10).
	Rv11	Generally poorly fossiliferous glauconitic fine-grained sandstone, siltstone and mudstone with common limestones and pebble-rich partings; topmost beds richly fossiliferous lower beds dominantly sandstone and variably fossiliferous (Mabina Formation) (Rv11).
	Rv12	Interbedded, fossiliferous glauconitic mudstone, siltstone, and minor sandstone; sandstone present; former bedded from estuarine formations (Cass Bay Formation) (Rv12).
	Rv13	Richly fossiliferous glauconitic grey bioclastic and argillaceous limestone, and interbedded calcareous siltstone (Berrada Limestone) (Rv13).
	Rv14	Dark grey, fossiliferous siltstone and calcareous siltstone, and basal pebbly sandstone (Siltstone and Ripper Sandstone) (Rv14).
	Rv15	Puc (Cascades Group) = Puc1 + Puc2; Puc = Puc1 + Puc2
	Rv16	Paralic, generally unfossiliferous dark grey mudstone and siltstone with subordinate very fine-grained, well-sorted sandstone, minor glauconitic intervals of sparsely fossiliferous, bioturbated dark grey siltstone and pebbly sandstone (Faulkner Group) (Rv16).
	Rv17	Generally fossiliferous glauconitic siltstone, calcareous siltstone and sandstone, with lowest-richly fossiliferous central interval with some sparse limestone; upper interval dominantly of less fossiliferous micaceous siltstone (Bundala Formation) (Rv17).

MESOZOIC	JURASSIC	
	J	Jd
	J	Dolerite (Jd), Dolerite of grainsize 0 - 1.5mm (Jd1), 1.5 - 3mm (Jd2), > 3mm (Jd3) indicated in places. Dolerite inferred beneath soil or Cainozoic deposits (Jd).
	J	Geological boundary - position accurate or approximate.
	J	Geological boundary - inferred.
	J	Scarp.
	J	Alpha lineament.
	J	Alpha lineament - trace of bedding.
	J	Fault - position accurate or approximate.
	J	Fault - inferred.
	J	Fault - cancelled.
	J	Fault - position accurate or approximate, downstream side indicated.
	J	Fault - inferred, downstream side indicated.
	J	Fault - cancelled, downstream side indicated.
	J	(white line) Limit of mapping of sub-unit within undifferentiated rock unit.

✓	Strike and dip of bedding, right way up.
+	Horizontal bedding.
+	Strike and dip of outcrop-scale fault of unspecified relative age, type unspecified.
+	Strike and dip of cotectic foliation.
•	Notable small outcrop with rock unit indicated.
✗	Mineral deposit location - hardrock.
✗	Construction material/industrial mineral/gemstone location.
✗	Data derived from Mineral Resource Tasmania (MRTS) database. Data point position has not been verified in every case.

Compiled by C.R. Calver, B.Sc. (Hons), Ph.D., A. Ezzy, B.Sc. and S.M. Forsyth, B.Sc. 2005 from the following sources (see responsibility diagram):

A. LEAMAN, D.E. & LEWIS, P.J. 1975. Geological Atlas 1:50 000 Series, Sheet 75 (50124), Brighton, minor revision by C.R. Calver.

B. LEAMAN, D.E. 1972. Geological Atlas 1:50 000 Series, Sheet 82 (5126), Hobart, minor revision by C.R. Calver.

C. C.R. Calver and A. Ezzy 2003. 1:25 000 scale mapping.

D. C.R. Calver and S.M. Forsyth 2002. 1:25 000 scale mapping.

E. LEAMAN, D.E. 1972. Hobart 1:50 000 geological map, Sullivan, F.L. (1974) Papers & Proceedings of the Royal Society of Tasmania, Vol. 88 (Pt. 112-115), with minor revision by C.R. Calver.

REFERENCE THIS MAP AS:  
CALVER, C.R. (compiler) 2005. Digital Geological Atlas 1:25 000 Series, Sheet 5026 New Norfolk, 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 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.

