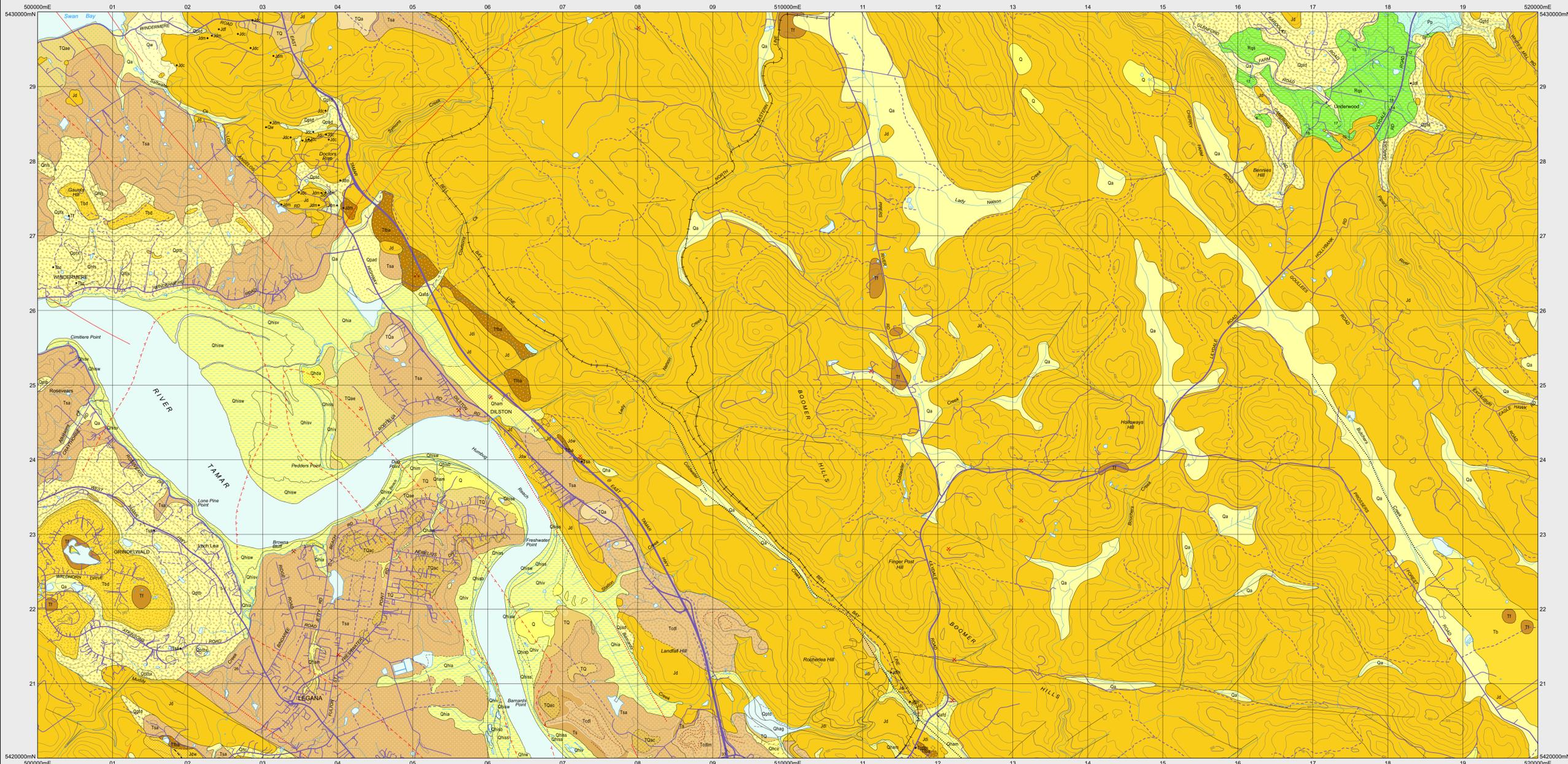


DILSTON

Scale 1:25 000



CENOZOIC	QUATERNARY	Qhmm	Undifferentiated Cenozoic sediments (TQ)
		Q	Undifferentiated Quaternary sediments (Q)
	HOLOCENE	Qhms	Man-made deposits (Qhmm)
		Qhls	Landslip and debris flow deposits (Qhls)
		Qhiv	Parallel clay silt sand and minor gravel deposits, includes modern salt marsh, tidal flats and deposits of older lagoons and swamps (Qhiv). Estuarine deposits of clayey silt, silt, sand and mostly buried gravel, in generalised, sediment entrapment environments (Qhiv); in low supra-tidal, vegetated, sediment entrapment environments (Qhiv); in low supra-tidal, commonly seaward advancing, inferred brackish marsh environments (Qhiv); supra-estuarine lagoon and swamp deposits of clay, silt, sand and minor gravel (Qhiv); estuarine and other deposits including supra-estuarine swamp and lateral alluvial deposits, unconsolidated man-made land and silt deposits from river dredging at places; in environments inferred to lie above common tidal influence (Qhiv); estuarine deposits of clayey silt, silt, sand and subordinate gravel grading upstream into alluvium with less clay and silt (Qhiv).
		Qhlc	Colluvial deposits of gravel, sand and clay (Qhlc); colluvium with dolerite clasts derived from Paleogene-Neogene dolerite conglomerate (Qhlc).
		Qha	Stream alluvium, swamp and marsh deposits (Qha).
		TQ Q	Alluvial and swamp deposits of gravel, sand, silt and clay, commonly with organic-rich top layer (Qham); alluvial gravel deposits (Qhag).
		Qhd	Photointerpreted dune form (Qhd).
		Qa	Alluvial gravel, sand and clay (Qa).
Qald	Alluvial fans predominantly of dolerite clasts (Qald).		
MESOZOIC - PALEOZOIC	PERMIAN TRIASSIC	Qw	Aeolian deposits and locally derived sand (Qw).
		Qpan	Terrace deposit of major estuary or stream with siliceous clay gravel below present sea level, micaceous sand, silt and mud, and of probable Pleistocene age (Qpan).
	PALEOGENE - NEOGENE	Qpad	Alluvial terrace deposits predominantly composed of dolerite cobbles (Qpad).
		Qpd	Talus (Qpd) composed predominantly of Jurassic dolerite (Qpd); of Paleogene-Neogene basalt or dolerite (Qpb); of Paleogene-Neogene basalt or dolerite boulders greater than 2m (Qpbx); of ferrocite fragments (Qpfs).
		Rqs	Cross-bedded quartz sandstone, feldspathic sandstone and shale (Rqs).
		Pp	Sandstone, siltstone and mudstone with marine fossils abundant in places (Pp).
		Tba	Bauxite profile developed on pre-Paleogene rocks and overlain by Paleogene rocks (Tba).
		Tsa	Partly consolidated clay, silt, and clayey labile sand with rare gravel and lignite; some iron oxide-cemented layers and concretions; some leaf fossils (Tsa).
		Tcdm	Moderately consolidated, dominantly cobble grade with lesser pebble and boulder grade dolerite conglomerate, some sandstone and rare siltstone; common zeolite and calcite concretions (Tcdm); with rare horizons of mid-Paleogene-Neogene leaf fossils (Tcdm).
		Ts	Undifferentiated Paleogene-Neogene sediments: non-marine sequences of gravel, sand, silt, clay and regolith (Ts).
Tb	Basalt (Tb), basaltic (Tbb), basalt in situ or displaced down slope (Tbx).		
Tbd	Basaltic dolerite (Tbd).		
TI	Ferrocite, laterite and bauxite with cemented and soft layers (TI).		
TQac	Late Cenozoic terrace deposits of siliceous pebble gravel and sand with rare boulder and cobble-sized clasts, cemented by iron oxides in places, situated 25-50m and -50m above sea level or local base level (TQac).		
TQa	Late Cenozoic terrace deposits of siliceous pebble gravel and sand, cemented by iron oxides in places (TQa).		
TQac	Undifferentiated Cenozoic sediments (TQ). Late Cenozoic terrace deposits of uncertain composition, generally <5m, extending to approximately 15m above sea or river level, with gravel layers above present sea level (TQac).		

Jd	Dolerite (Jd). Dolerite of grain size 0.7-1.5mm (Jdf); 1.5-3mm (Jdm); 3-6mm (Jdc); >6mm (Jdv) indicated. Inferred dolerite beneath soil or Cenozoic deposits (Jd).
Jdw	Predominantly deeply-weathered dolerite (Jdw).

INTRUSIVE ROCKS

Jd	Dolerite (Jd). Dolerite of grain size 0.7-1.5mm (Jdf); 1.5-3mm (Jdm); 3-6mm (Jdc); >6mm (Jdv) indicated. Inferred dolerite beneath soil or Cenozoic deposits (Jd).
Jdw	Predominantly deeply-weathered dolerite (Jdw).

—	Geological contact.
- - -	Geological contact - inferred.
- · - · -	Transitional geological contact.
- - -	Limit of mapping of sub-unit within undifferentiated rock unit.

- - -	Fault - inferred.
- · - · -	Fault - concealed.
- · - · -	Fault - concealed, inferred from magnetic data.

—	Lineament - visible on aerial photographs.
- - -	Lineament - visible in magnetic data.
- · - · -	Magnetic gradient or lineament (direction towards lower values indicated).
- · - · -	Lithological trend line, including bedding trace interpreted from aerial photographs.

- Strike and dip of bedding, right way up.
- Detailed systematic (eg. 1:25 000 map or equivalent detail).
- Mineral deposit location - hardrock.
- Mineral deposit location - alluvial/tailings.
- Construction material/industrial mineral/gemstone location.

SOURCE DIAGRAM



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

A. LONGMAN, M.J. MATTHEWS, W.L. ROWE, S.M., 1964. Geological Atlas 1:63 360 Series, Sheet 29 (83155), Launceston; with minor revision by C.R. Calver.

B. S.M. Forsyth, 1:25 000 mapping 1991-1993.

C. FORSYTH, S.M., 1998. Geology Map, Launceston Area, Urban Engineering Geology Series, Tasmanian Geological Survey (compiled 2005).

D. C.R. Calver, 1:25 000 mapping 2001-2003.

E. S.M. Forsyth, Aerial photo interpretation, 2005.

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Website: www.mrt.tas.gov.au

GDMS - MGA Zone 55. Contour Interval: 20 metres.



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LOCATION DIAGRAM

