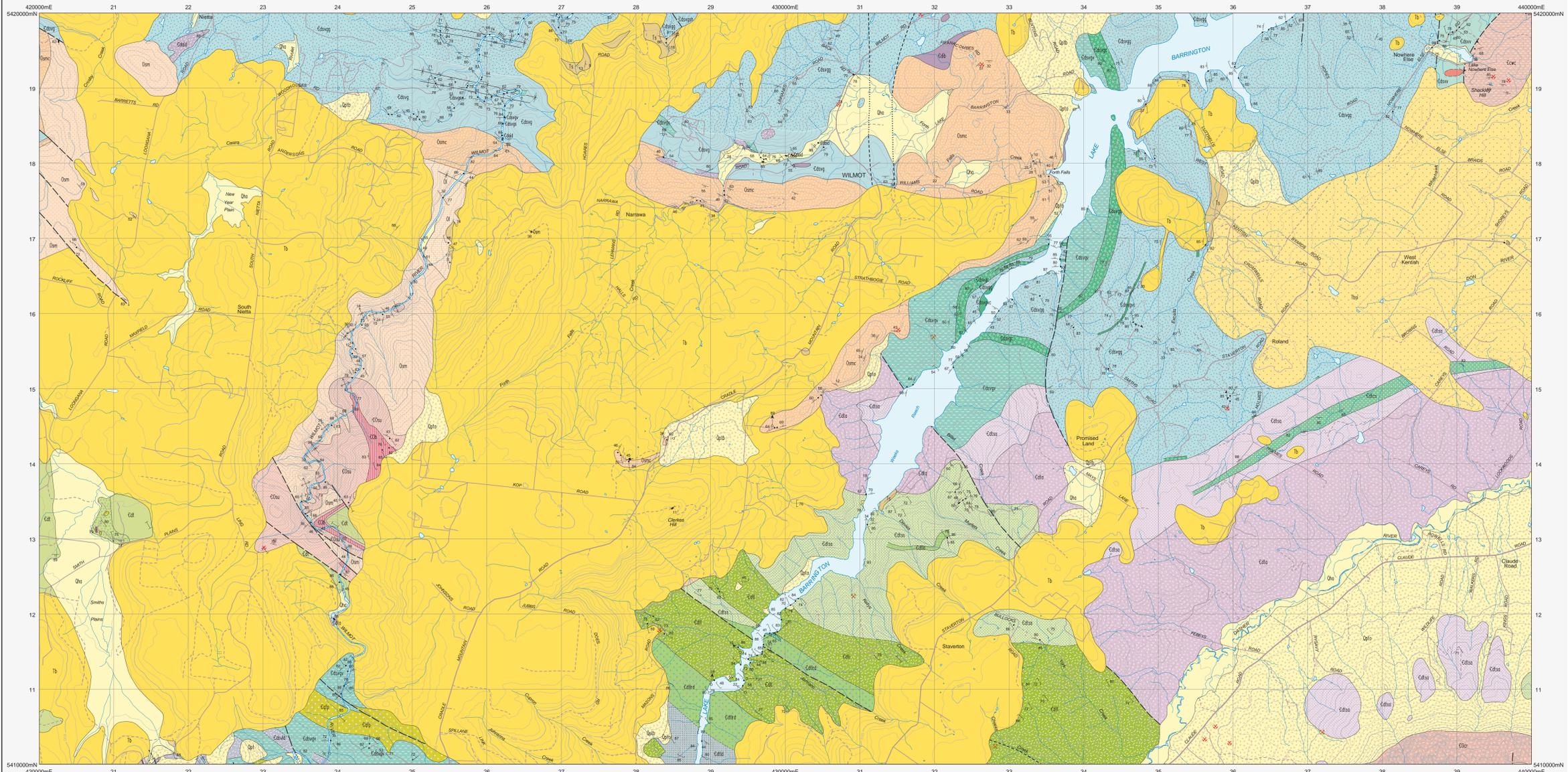


WILMOT

Scale: 1:25 000



PERIOD	UNIT	DESCRIPTION
CENOZOIC	Quaternary	Stream alluvium, swampland and marsh deposits (Qha).
	Quaternary	Talus (Qt), Quartzite and conglomerate talus (Qta), Cambrian volcanic talus (Qth), Basalt (Tb).
PALEOGENE - NEOGENE	Tb	Basalt and intercalated sand, clays and conglomerate, usually deeply weathered, inferred from water bore logs and sparse log (Tba). Basalt (Tb).
	Tfg	Grey-silty and siltstone (Tfg).
	Ts	Dominantly non-marine sequences of gravel, sand, silt clay and regolith (Ts).
PALEOZOIC	Oriskany	Limestone sequence with siltstone in some areas (O).
	Osm	Pale grey to pink commonly cross-bedded quartz sandstone, coarse and pebbly in places, tubular trace fossils on some horizons (correlate of Moles Sandstone) (Osm).
	Osmo	Lower facies of thick-bedded grey/purple-red siliclastic granule-pebble conglomerate and coarse sandstone. Clasts of pink chert and quartzite common, volcanic clasts in places. Some tabular horizons (Osmo).
	OCsu	Mostly pink sandstone and granule-pebble conglomerate with minor siltstone. Clasts of chert common. Some trace fossils. (Correlate of Upper Owen Sandstone) (OCsu).
	OCbr	Basalt, typically lamellar-ventured, fine grained, jarve weathering. Massive to brecciated, olivoid, vesicular with rare pillow structures (OCbr).
	OCbr	Pink pebble-cobble to cobble-boulder conglomerate, thick bedded to massive, with minor sandstone lenses (found Conglomerate) (OCbr).
	OCbr	Facies to intermediate volcanoclastic, volcanic and sedimentary rocks. Late Middle Cambrian fossils in places. Typical Group and correlative (OCbr).
	OCbr	Many quartz-feldspar phric massive volcanoclastic sandstone with some pebble conglomerate with clasts of quartz phric rhyolite and rare quartzite (OCbr).
	OCbr	Rhyolite lava and breccia, usually quartz-feldspar-phric (OCbr).
	OCbr	Aphyric banded rhyolite (OCbr).
CAMBRIAN	OCbr	Mainly rhyolite lava, typically plagioclase-phric, with some quartz-feldspar phric rhyolite (OCbr).
	OCbr	Basaltic lava, typically plagioclase +/- quartz-phric (OCbr).
	OCbr	Andesitic lava and associated volcanoclastic rocks, typically plagioclase-phric plagioclase phric rhyolite, andesite, dacite, basalt lava, andesite volcanoclastic sediments and breccia (OCbr).
	OCbr	Mainly andesitic volcanoclastic sandstone with minor siltstone and conglomerate, typically with detrital plagioclase and pyroxene and clasts of andesite. Minor felsic detritus and quartzite clasts in some areas (OCbr).
	OCbr	Pebble-cobble grade siliceous conglomerate, with quartzite and chert clasts and some interbedded coarse sandstone (OCbr).

PERIOD	UNIT	DESCRIPTION
CAMBRIAN	OCbr	Marine volcano-sedimentary and sedimentary sequences of sandstone, siltstone, mudstone, conglomerate and breccia with some felsic to andesitic volcanic rocks (Og Range Group) (OCbr).
	OCbr	Dominantly non-volcanic sandstone and siltstone, typically siliceous-mucous, massive to finely bedded (OCbr).
	OCbr	Laminated siltstone and mudstone with minor sandstone (OCbr).
CAMBRIAN	OCbr	Dominantly siliceous conglomerate and sandstone, typically rich in quartzite clasts (OCbr).
	OCbr	Coarse-grained polymict conglomerate with clasts of basalt, chert, siltstone and limestone (Spent Formation) (OCbr).
CAMBRIAN	OCbr	Predominantly quartz-feldspar phric massive volcanoclastic sandstone and siltstone. Minor quartzite and siltstone clasts (OCbr).
	OCbr	Volcanoclastic sandstone and pebble conglomerate, typically quartz-feldspar phric, with quartz-feldspar rhyolite clasts, rare chert and quartzite clasts (OCbr).
CAMBRIAN	OCbr	Dacitic lava, typically plagioclase-phric, may include some shallow intrusives (OCbr).
	OCbr	Predominantly fine grained aphy volcanoclastic siltstone, with minor black-grey siltstone (OCbr).
CAMBRIAN	OCbr	Pale to dark grey or black, distinctly bedded and plane laminated to massive or brecciated chert with minor red and grey siliceous territic mudstone and siltstone (Barrington Chert and correlative) (OCbr).
	OCbr	

PERIOD	UNIT	DESCRIPTION
CAMBRIAN	Ksm	Quartz melanoyelite (Ksm).
	OCbr	Basaltic dykes, typically chlorite-carbonate altered (OCbr).
CAMBRIAN	OCbr	Quartz biotite diorite (OCbr).
	OCbr	Massive plagioclase-hornblende phric dioritic, andesitic and dacitic intrusives (OCbr).
CAMBRIAN	OCbr	Quartz-feldspar porphyry-dominant intrusives (OCbr).
	OCbr	Dacitic lava, typically plagioclase-phric, may include some shallow intrusives (OCbr).

SYMBOL	DESCRIPTION
—	Geological boundary - position accurate or approximate.
- - -	Geological boundary - inferred.
- · - · -	Transitional geological boundary - position accurate or approximate.
- · - · -	Unconformable boundary - position accurate or approximate.
- · - · -	Intrusive boundary - position accurate or approximate.
- · - · -	Fault - position accurate or approximate.
- · - · -	Fault - inferred.
- · - · -	Fault - concealed.
- · - · -	Treat fault (each on upper plate) - position accurate or approximate.
- · - · -	Axial surface trace of major antiform.
- · - · -	Limit of mapping of sub-unit within un differentiated rock unit.
↗ ↘	Strike and dip of bedding - right way up; overturned.
↗ ↘	Strike and dip of bedding facing unknown - dipping vertical.
↗ ↘	Strike and dip of cleavage of unspecified type and relative age - dipping vertical.
↗ ↘	Strike and dip of cleavage or foliation, relative to local age - S1 S2.
↗ ↘	Trend and plunge of lineation of unspecified type.
↗ ↘	Trend and plunge of mineral elongation lineation.
↗ ↘	Trend and plunge of crenulation lineation.
↗ ↘	Trend and plunge of minor fold hinge line, unspecified relative age with dip and dip direction of axial surface.
↗ ↘	Trend and plunge of hinge line of unspecified relative age - minor antiforms; minor synforms.
↗ ↘	Strike and dip of dominant joint set - dipping vertical.
↗ ↘	Strike and dip of dyke or vein, rock type or mineral specified by RCODE in point Attribute Table.
•	Field station for adjacent readings on the map.
•	Notable small outcrop with rock unit indicated.
✕	Mineral deposit location - hardrock
✕	Construction material/industrial mineral/gemstone location

Compiled by M.P. McLennaghan, B.Sc.(Hons), Ph.D. and D.C. Green, B.Sc.(Hons), Ph.D., 1997 from the following sources (see responsibility diagram):

A 1:25 000 mapping by M.P. McLennaghan, 1996.
B 1:25 000 mapping by D.C. Green, 1996.
C PEMBERTON, J. and VICARY, M.J. 1989. Map 9 Geology of the Wimmerbrook-Mona area, Mount Head Volcanic Project, Geological Survey of Tasmania.
D JENNINGS, I.B. et al. 1959. Geological Atlas 1 Mile Series, Zone 7 Sheet 37, Sheffield, Tasmanian Department of Mines.
E K.D. Corbett, 2004 as part of the Western Tasmanian Regional Minerals Program.
F M.P. McLennaghan, 2007. Reconnaissance Geological Mapping.
G POLTOCK, R. 2002. Ground truthing aeromagnetic and radiometric features, Northern Tasmania, Tasmanian Geological Survey Record 2002/20 Mineral Resources Tasmania.
H M.J. Vicary, 2007 as part of the TasExplore Project.
I Vicary, M.J. 1984 and 1995. Unpublished company mapping, ROC Exploration Pty Ltd, TCR-365 and TCR-373b.

RESPONSIBILITY DIAGRAM

E, I, D, E, C, E, A, E, F, G, H, A, E, H, A, E

LOCATION DIAGRAM

INDEX TO ADJOINING SHEETS

LOXTON	CASTRINA	BALTON
LOONGANA	WILMOT	SHEFFIELD
LEA	GETSWAN	GOO

1:25000 maps available.

WILMOT 4241

Profile for this map generated from digital data as at: 02-FEB-2012