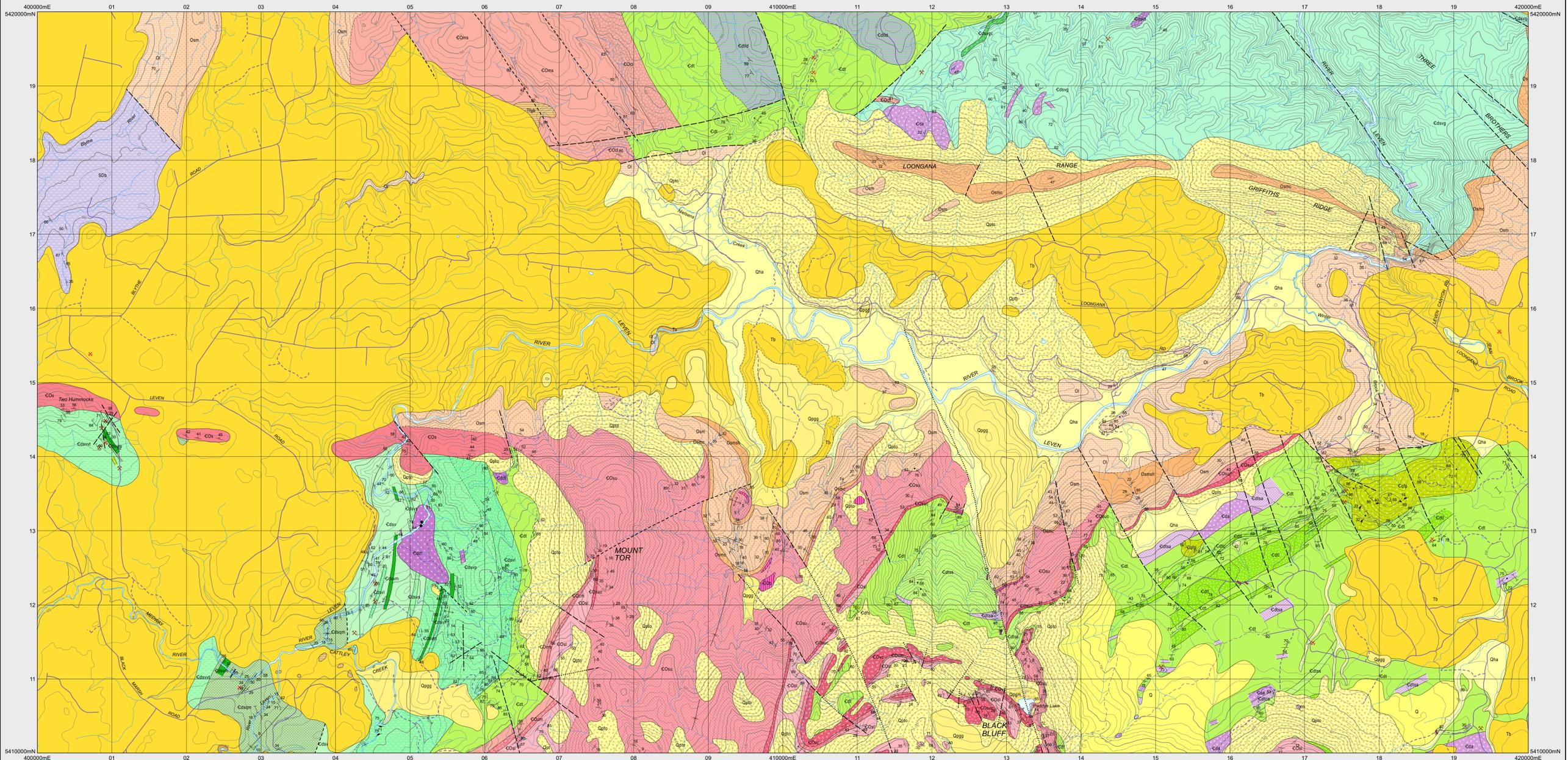


LOONGANA

Scale 1:25 000



CENOZOIC	QUATERNARY	
	HOLOCENE	PLEISTOCENE
	Qha	Undifferentiated Quaternary sediments (Q). Alluvium, swamp and marsh deposits (Qha).
	Qtl	Talus (Qtl).
	Qpb	Basalt talus (Qpb).
	Qpl	Quartzite and conglomerate talus (Qpl).
	Qpgg	Glacial deposits (Qpgg).
	Qpjm	Mostly moraine deposits (Qpjm).
	Tfpg	Grey-billy and siltstone (Tfpg).
	Tb	Basalt (Tb).
	Ts	Dominantly non-massive sequences of gravel, sand, silt, clay and regolith (Ts).
	Sdb	Mudstone siltstone, minor fine-grained sandstone and rare limestone (correlate of Bell Formation) (Sdb).
	Oi	Limestone with siltstone in some areas (Oi).
	Osmh	Calcareous siltstone and sandstone. Transitional unit from Moira Sandstone to Gordon Limestone (Osmh).
	Osm	Pale grey to pink, commonly cross-bedded quartz sandstone, coarse and pebbly in places. Tubular trace fossils on some horizons. Ordovician fossils in places. Moira Sandstone and corralite (Osm).
	Osmo	Grey to pink/purple granule-pebble conglomerate and coarse sandstone. Chert clasts common. Some bioturbated horizons (Osmo).
	COsu	Quartz sandstone, pink to grey, typically cross-bedded to thin-bedded, with minor siltstone, conglomerate and calcareous sandstone (CO). Mostly pink sandstone and granule-pebble conglomerate with minor siltstone. Clasts of chert common (COsu).
	COst	Basalt, typically hemi-elliptical, fine grained, purple weathering. Massive to brecciated, generally well cleaved, vesicular, rare pillow structures (COst).
	COcm	Pink pebble to pebble-cobble conglomerate with minor lenses of coarse sandstone (COcm).
	COcl	Thin bedded pink to grey sandstone, minor siltstone, calcareous sandstone and pebble conglomerate. Some bioturbated horizons (COcl).
	COms	Pebble-cobble to cobble-boulder conglomerate thick bedded to massive, with minor sandstone lenses. Pink to pale grey (correlate of Middle Owen Conglomerate) (COms).
	COd	Interbedded micaceous sandstone, siltstone and siliceous pebble conglomerate, mostly grey in colour (correlate of Newton Creek Sandstone) (COd).
	COv	Lower sequence of siliceous pebble to cobble grade conglomerate with sandstone interbeds (COv).
	COvc	Volcaniclastic conglomerate, breccia and sandstone. Correlate of Jukes Conglomerate (COvc).

PALEOZOIC	CAMBRIAN	
	CAMBRIAN SERIES 3 - EURONGAN(7)	CAMBRIAN SERIES 3
	Cdt	Mixed sequences of volcanoclastic and felsic to intermediate volcanic rocks (Cdt).
	Cdc	Volcanoclastic conglomerate and sandstone (Cdc).
	Edca	Andesitic volcanoclastic conglomerate (Edca).
	Cdss	Volcanoclastic sandstone and siltstone, typically quartz-feldspar + biotite-phyric, with minor felsic lava (Cdss).
	Cdta	Andesitic volcanoclastic sandstone (Cdta).
	Cda	Andesitic lava and breccia, typically felsic-ferromagnesian-phyric (Cda).
	Cdi	Felsic quartz-feldspar-phyric lava, commonly flow-banded and auto-brecciated (Cdi).
	Cdl	Dacitic lavas and related intrusives, typically felsic-ferromagnesian-phyric, commonly flow-banded (Cdl).
	Cdsv	Major volcanoclastic sequences of sandstone, siltstone, conglomerate and breccia with some felsic to andesitic volcanic rocks (Cdsv).
	Cdsc	Siltstone conglomerate and sandstone, with some volcanic detritus in places (Cdsc).
	Cdsv	Mixed sequence of volcano-sedimentary, sedimentary and volcanic rocks (Cdsv).
	Cdsv	Upper sequences of pumice-bearing volcanoclastic sandstone and breccia in Mt Tor area (correlate of Southwell Subgroup) (Cdsv).
	Cdsv	Coarse polymict volcanoclastic breccia units, typically brecciated, of mass-flow origin (Cdsv).
	Cdsv	Felsic lava, typically quartz-feldspar-phyric (Cdsv).
	Cdsv	Bedded sandstone-siltstone unit (Cdsv).
	Cdsv	Coarse polymict volcanoclastic breccia units, typically brecciated, of mass-flow origin (Cdsv).
	Cdsv	Felsic lava, typically quartz-feldspar-phyric (Cdsv).

PALEOZOIC	CAMBRIAN	
	CAMBRIAN SERIES 3	CAMBRIAN SERIES 3
	Cdsv	Mixed sequence of volcano-sedimentary, sedimentary and volcanic rocks (Cdsv). Micaceous quartzwacke sandstone with siltstone and granule conglomerate (correlate of Ainala Creek Greywacke) (Cdsv).
	Cdsv	Volcanoclastic mass-flow units (Cdsv).
	Cdsv	Volcanic ash units (Cdsv).
	Cdsv	Mafic intermediate lava unit (Cdsv).
	Cdsv	Dominantly fine-grained vitriclastic siltstone with some mass-flow deposits, shale and greywacke (correlate of Black Henry Beds) (Cdsv).
	Cdsv	Volcanoclastic mass-flow units (Cdsv).
	Cdsv	Bedded sandstone-siltstone unit (Cdsv).
	Cdsv	Basaltic dykes, usually chlorite-carbonate altered (Cdbc).
	Cdsv	Quartz-feldspar porphyry (Cdsp).
	Cdsv	Feldspar-quartz porphyry, commonly spherulitic, usually intrusive (Cdsp).
	Cdsv	Massive plagioclase-hornblende phyric diorite, andesite and dacitic intrusives (Cdsv).
	Cdsv	Ophiolite textured mafic-intermediate rocks of uncertain affinity, feldspar-gyroxene-chlorite-quartz-bearing (Cdsv).

CONTACTS	
—	Geological contact.
- - -	Geological contact - inferred.
—	Limit of mapping of sub-unit within undifferentiated rock unit.
FAULTS	
—	Fault.
- - -	Fault - inferred.
—	Fault - concealed.
LINEARS	
—	Axial surface trace of major antiform.
—	Axial surface trace of major synform.
—	Moraine ridge crest.

SOURCE DIAGRAM

REFERENCE THIS MAP AS:
PEMBERTON, J. and MCKIBBEN, J. (compilers) 2004 Digital Geological Atlas 1:25 000 Scale Series, Sheet 4041 Loongana, Mineral Resources Tasmania.

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Website: www.mrt.tas.gov.au
GDA94 - MGA Zone 55. Contour Interval: 20 metres.

LOCATION DIAGRAM

INDEX TO ADJOINING SHEETS

PEARSE	LYTTEL	CANTIA
GULFORD	LOONGANA	WILMOT
PEARSE	LEA	CATHANA

1:25 000 maps available.

LOONGANA 4041

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