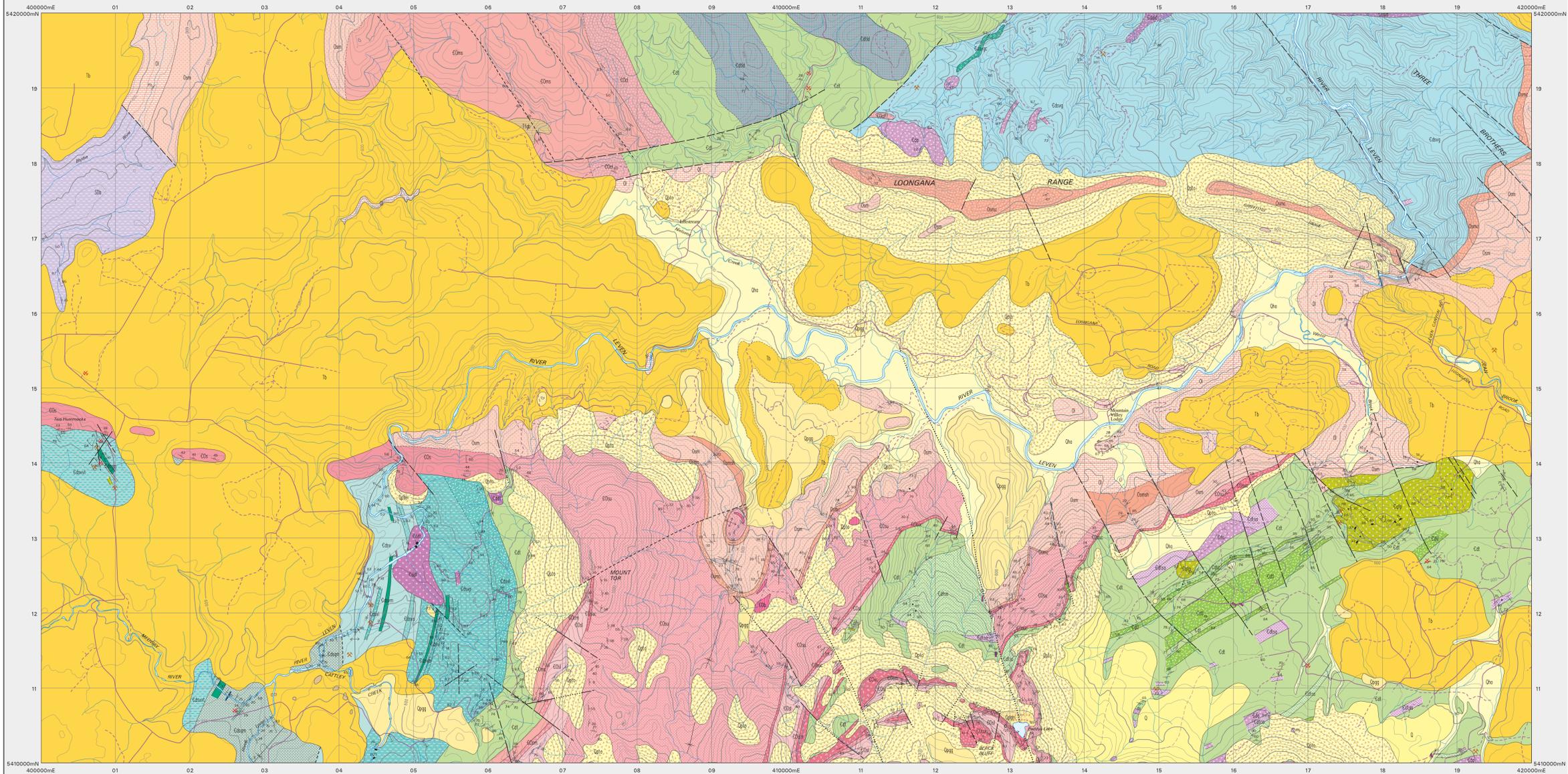


# LOONGANA

Scale: 1:25 000



MINERAL RESOURCES TASMANIA  
DIGITAL GEOLOGICAL ATLAS 1:25 000 SERIES  
LOONGANA, SHEET 4041



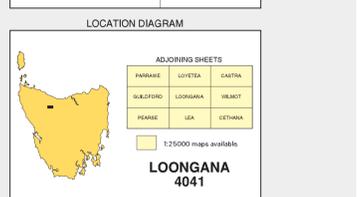
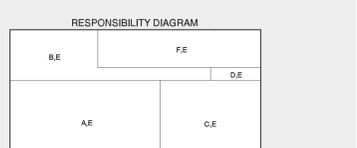
CENOZOIC	QUATERNARY	
	HOLOCENE	PLEISTOCENE
	Qha	Alluvium, swamp and marsh deposits (Qha).
	Qta	Talus (Qta).
	Qsp	Basalt talus (Qsp).
	Qcp	Quartzite and conglomerate talus (Qcp).
	Qgg	Glacial deposits (Qgg).
	Qpm	Mainly moraine deposits (Qpm).
	TERTIARY	
	Tgp	Grey-billy and silcrete (Tgp).
	Tb	Basalt (Tb).
	Ts	Dominantly non-marine sequences of gravel, sand, silt, clay and regolith (Ts).
	MOUNT READ VOLCANIC GROUP	
	SDb	Mudstone, minor siltstone, minor fine-grained sandstone and rare limestone (correlate of Bell Formation) (SDb).
	ORDOVICIAN	
	Oi	Limestone with siltstone in some areas (Oi).
	Osm	Calcareous siltstone and sandstone. Transitional unit from Meina Sandstone to Gordon Limestone (Osm).
	Ocm	Fine grey to pink commonly cross-bedded quartz sandstone, coarse and pebbly toward base and with tubular trace fossils in horizons of upper sequences (correlate of Meina Sandstone) (Ocm).
	Ocmc	Grey to pink/purple granule-pebble conglomerate and coarse sandstone. Chert clasts common. Some bioturbated horizons (Ocmc).
	PALEOZOIC	
	COsu	Mainly pink sandstone and granule-pebble conglomerate with minor siltstone. Clasts of chert common (COsu).
	COm	Medium to coarse to coarse-medium conglomerate. Some bioturbated horizons (COm).
	COm	Basalt, typically hematite-altered, fine grained, purple weathering. Massive to brecciated, generally well vesicular, rare pillow structures (COm).
	COsu	Pink pebbles to pebble-cobble conglomerate with minor lenses of coarse sandstone (COsu).
	COil	Thin bedded pink to grey sandstone, minor siltstone, calcareous sandstone and pebble conglomerate. Some bioturbated horizons (COil).
	COm	Medium to coarse to coarse-medium conglomerate. Some bioturbated horizons. Pink to pale grey (correlate of Middle Devon Conglomerate) (COm).
	COms	Interbedded micaceous sandstone, siltstone and siliceous pebble conglomerate mostly grey in colour (correlate of Newton Creek Sandstone) (COms).
	COc	Lower sequence of siliceous pebbles to cobble grade conglomerate with sandstone interbeds (COc).
	COvc	Volcaniclastic conglomerate, breccia and sandstone. Correlate of Lakes Conglomerate (COvc).

PALEOZOIC	MIDDLE CAMBRIAN - LATE MIDDLE CAMBRIAN	
	Ccl	Mixed sequence of volcaniclastic and felsic to intermediate volcanic rocks (Ccl).
	COvc	Volcaniclastic conglomerate and sandstone (COvc).
	COca	Andesitic volcaniclastic conglomerate (COca).
	COss	Volcaniclastic sandstone and siltstone, typically quartz-feldspar or biotite-phyric, with minor felsic lava (COss).
	COsa	Andesitic volcaniclastic sandstone (COsa).
	COa	Andesitic lava and breccia, typically feldspar-hornblende-phyric (COa).
	COfl	Felsic quartz-feldspar-phyric lava, commonly flow-banded and subvolcanic (COfl).
	COiv	Dacitic lavas and related intrusives, typically feldspar-ferromagnesian-phyric, commonly flow-banded (COiv).
	COsv	Marine volcan-sedimentary sequences of sandstone, siltstone, conglomerate and breccia with some felsic to andesitic volcanic rocks (COsv).
	COs	Siliceous conglomerate and sandstone, with some volcanic detritus in places (COs).
	COa	Andesitic lavas, breccias and related intrusives (COa).

PALEOZOIC	MIDDLE CAMBRIAN	
	COsv	Mixed sequence of volcano-sedimentary, sedimentary and volcanic rocks (COsv).
	COsp	Upper sequences of quartz-bearing volcaniclastic sandstone and breccia in Mt For area (correlate of Southwest Subgroup) (COsp).
	COsv	Coarse polymict volcaniclastic breccia units, typically graded, of mass-flow origin (COsv).
	COsv	Felsic lava, typically quartz-feldspar-phyric (COsv).
	COsv	Bedded sandstone-siltstone unit (COsv).
	COsv	Coarse polymict volcaniclastic breccia units, typically graded, of mass-flow origin (COsv).
	COsv	Felsic lava, typically quartz-feldspar-phyric (COsv).
	COsv	Micaceous quartzite sandstone with siltstone and granite conglomerate (correlate of Anson Creek Greywacke) (COsv).
	COsv	Volcaniclastic mass-flow units (COsv).
	COsv	Volcanic ash units (COsv).
	COsv	Mafic intermediate lava unit (COsv).
	COsv	Dominantly fine-grained vitro-blastic siltstone with some mass-flow deposits, shale and greywacke (correlate of Black Henry Beds) (COsv).
	COsv	Volcaniclastic mass-flow units (COsv).
	COsv	Bedded sandstone-siltstone unit (COsv).

INTRUSIVE ROCKS	
CObc	Basaltic dykes, usually chlorite-carbonate altered (CObc).
COfp	Quartz-feldspar porphyry (COfp).
COsa	Feldspar-quartz porphyry, commonly spherulitic, usually intrusive (COsa).
COsp	Massive plagioclase-hornblende pyric diorite, andesite and dacitic intrusives (COsp).
COa	Ophtic textured mafic-intermediate rocks of uncertain affinity, feldspar-syncline-chlorite-quartz-bearing (COa).

Compiled by J. Pemberton and J. McKibben, 1996 from the following sources (see responsibility diagram):  
 A. Pemberton, J. and Vicary, M.J., 1988. Mt Read Volcanics Project Map B. Tasmania Department of Mines.  
 B. Bailey, P.W. et al., 1988. Geological atlas 1:250 000 series. Sheet 58 (B015N) St. Vincent. Tasmania Department of Mines.  
 C. Pemberton, J. and Vicary, M.J., 1989. Mt Read Volcanics Project Map B. Tasmania Department of Mines.  
 D. Jennings, I.B. et al., 1959. Geological atlas 1 mile series. Zone 7 Sheet 37 Sheffield. Tasmania Department of Mines.  
 Updated by:  
 E. Modified and updated by K.D. Connett, 2004 as part of the Victorian Tasmanian Regional Minerals Program, with additional information from:  
 F. Vicary, M.J., 1984 and 1985. Unpublished company mapping. HGC Exploration Pty Ltd. TCR 84-3565 and TCR 85-3728.



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 PEMBERTON, J., MCKIBBEN, J., 1996. Digital Geological Atlas 1:25000 series, sheet 4041 Loongana. Mineral Resources Tasmania.  
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 AOD64 - AMG Zone 55. Contour Interval: 20 metres.  
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