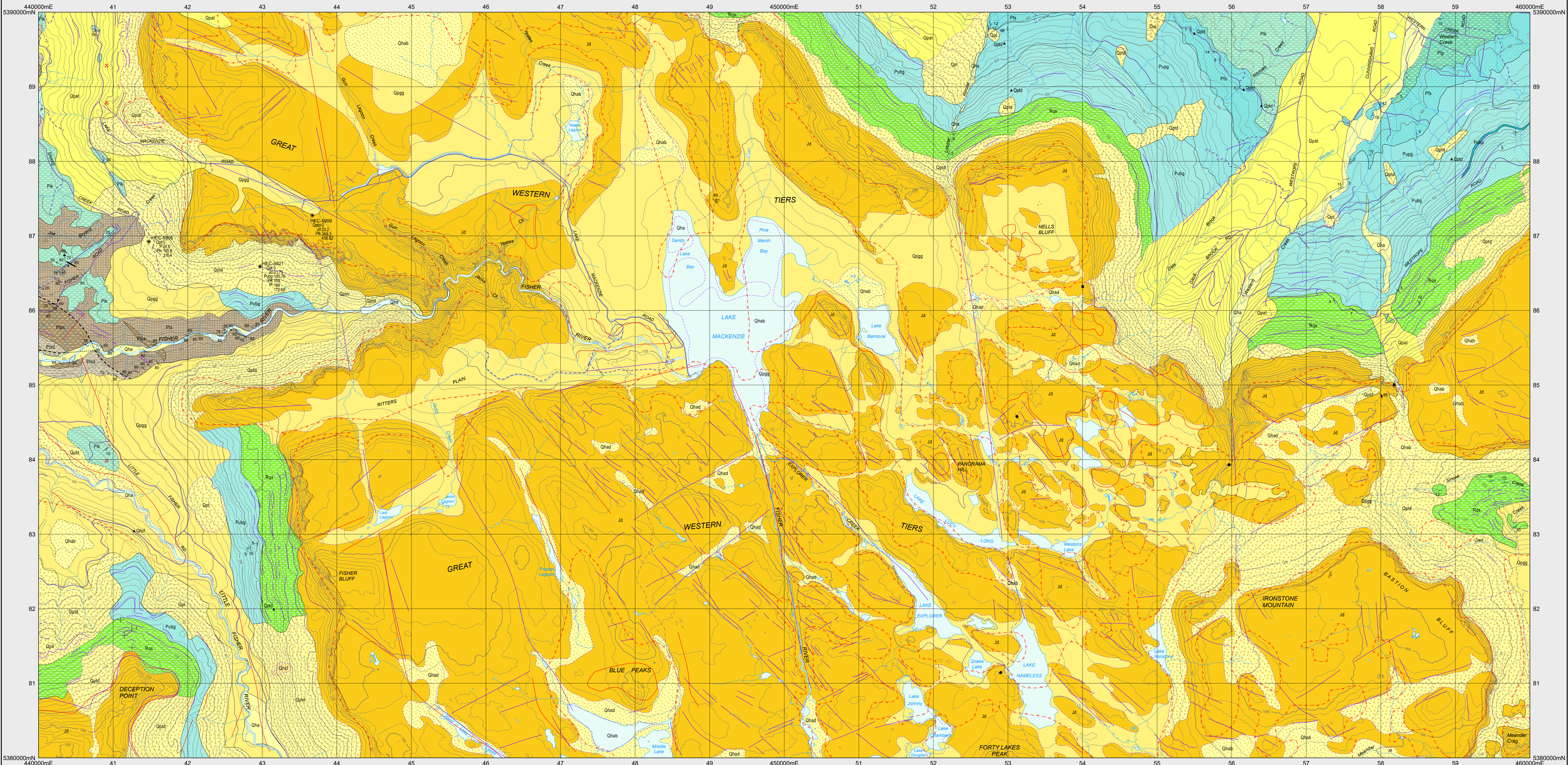


LAKE MACKENZIE

Mineral Resources Tasmania

DIGITAL GEOLOGICAL ATLAS 1:25 000 SCALE SERIES
LAKE MACKENZIE, SHEET 4438

Scale 1:25 000



CENOZOIC	QUATERNARY		
HOLOCENE		Qhcf	Recent landslide deposit (Qhcf).
		Qh	Landslide deposits predominantly derived from weathered Jurassic dolerite (Qh).
		Qha	Stream alluvium, swamp and marsh deposits (Qha).
		Qhc	Colluvium (Qhc).
		Qhab	Marsh and swamp deposits (Qhab). Highland marsh deposits with common protruding dolerite outcrops and boulders (Qhab).
PLEISTOCENE		Qptl	Talus, till and scree of probable Pleistocene age (Qptl). Scree deposit of angular dolerite boulders, generally lacking matrix (Qptlr).
		Qpdt	Talus consisting of dominantly dolerite (Qpdt). Talus consisting dominantly of Triassic ilitic sandstone (Qpdt). Talus of dolerite and subordinate Lower Permian rocks (Qpdt).
		Qpat	Till, talus and alluvial gravels (Qpat).
		Qpgg	Pleistocene glacial and glaciogene deposits (Qpgg).
			Low angle unconformity or erosional surface.

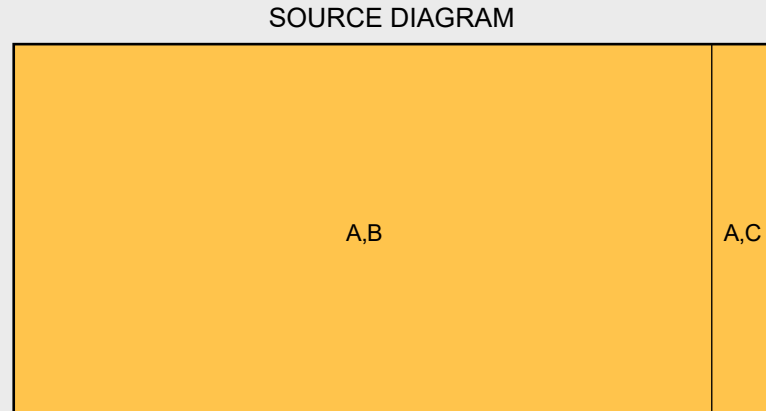
MESOZOIC	PALEOZOIC		
TRASSIC		Rqs	Cross-bedded quartz sandstone, feldspathic sandstone and shale (Rqs).
		P	Undifferentiated Permian-Carboniferous sediments (P). Unfossiliferous pebbly siltstone, siltstone and sandstone (correlate of Bogan Gap Group) (Pugb). Includes 3 to 5m thick resistant unit of unfossiliferous pebbly sandstone and conglomerate (Palmer Sandstone) (Pugb).
PERMIAN		Pugb	Sandstone, mudstone and pebbly mudstone with marine fossils; unit of grey-green pebbly sandstone indicated (Dabool Sandstone) (Pugb). (Pugb, Pupa - correlate of Poatina Group).
		Pfs	Dominantly well sorted cross-bedded quartz sandstone, with interbedded carbonaceous shale and subordinate conglomerate (correlate of Liffey Group) (Pfs).
		Pfg	Predominantly fossiliferous and erratic rich mudstone, shale, limestone and sandstone (Golden Valley Group) (Pfg).
		Pik	Interbedded conglomerate, pebbly sandstone and siltstone, and richly fossiliferous limestone (Kansas Creek beds) (Pik).
			Unconformity.
PROTEROZOIC		Ptp	Dominantly phyllite (Ptp).
		Ptsd	Dominantly quartz-mica schist and foliated micaceous metaquartzite (Ptsd).
		Pts	Dominantly quartzite (Pts).
		Ptps	Interlayered or banded phyllite and quartzite (Ptps).
		Pt	Metamorphic rocks, dominantly metaquartzite and metapelite (Pt).

INTRUSIVE ROCKS

Jd	Dolerite and related rocks (Jd).
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CONTACTS		
	Geological contact.	
	Geological contact - inferred.	
	Geological contact - inferred from digital terrain model.	
	Limit of detailed mapping.	
FAULTS		
	Fault.	
	Fault - inferred.	
	Fault - concealed.	
LINEARS		
	Mosaic ridge crest.	
	Scarp.	
	Lineament - visible on aerial photographs.	
	Lineament - visible in magnetic data.	
	Lineament - visible in digital terrain model.	
	Magnetic gradient or lineament (direction towards lower values indicated).	

SOURCE DIAGRAM		
	Strike and dip of bedding, right way up; facing unknown.	
	Horizontal bedding.	
	Strike and dip of compositional layering.	
	Strike and dip of cleavage of unspecified type and relative age.	
	Strike and dip of outcrop-scale fault of unspecified relative age, type unspecified.	
	Trend and plunge of minor fold hinge line, unspecified relative age with dip and dip direction of axial surface.	
	Trend and plunge of minor fold hinge line, relative local age F ₂ with dip and dip direction of axial surface.	
	Strike and dip of dominant joint set; vertical.	
	Strike and dip of metamorphic foliation other than cleavage.	
	Strike and dip of dyke or vein. Quartz vein (qv).	
	Borehole location with name, depth of rock units encountered, and final depth.	
	Field station for adjacent readings on the map.	
	Notable small float or lag occurrence with rock unit indicated.	
	Construction material/industrial mineral/gemstone location.	



Highly detailed (eg. more detailed than 1:25 000 scale mapping).
Detailed systematic (eg. 1:25 000 map or equivalent detail).
Regional systematic (eg. 1:50 000, 1:63 360 map or equivalent detail).
Regional mapping less detailed than 1:63 360 map or equivalent (all other scales).
Reconnaissance mapping with sparse ground traverses.
Remote sensing and/or geophysical interpretation with limited or no ground information.

Geology by G. V. Cumming, B.Sc.(Hons) 2026 from the following sources (see source diagram).

A. CUMMING, G. V., Field mapping, air photo and LIDAR interpretation 2023-2025.

B. JENNINGS, I. B., and BURKS, K. L., 1958. Geological Atlas 1 Mile Series. Zone 7, Sheet 45, Middlesex, Tasmania Department of Mines.

C. BARTON, C. M., BRAVO, A. P., GULLINE, A. B., LONGMAN, M. J., MARSHALL, B., MATHEWS, W. L., MOORE, W. R., NAVOL, I. H., and PIKE, G. P., 1969. Geological Atlas 1 mile series, Sheet 46 (BCHN) Quanta, Tasmania Department of Mines.

REFERENCE THIS MAP AS:

CUMMING, G. V. 2026. Digital Geological Atlas 1:25 000 Scale Series, Sheet 4438. Lake Mackenzie. Mineral Resources Tasmania.

Base data from the LIST, Copyright State of Tasmania.

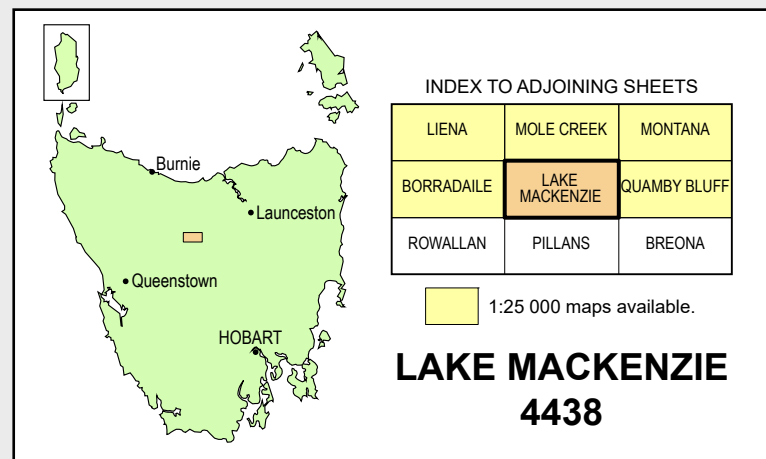
Map produced by Spatial Information Services, Mineral Resources Tasmania.

Website: www.mrt.tas.gov.au

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

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LOCATION DIAGRAM



Map generated: 21-JUL-2026

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