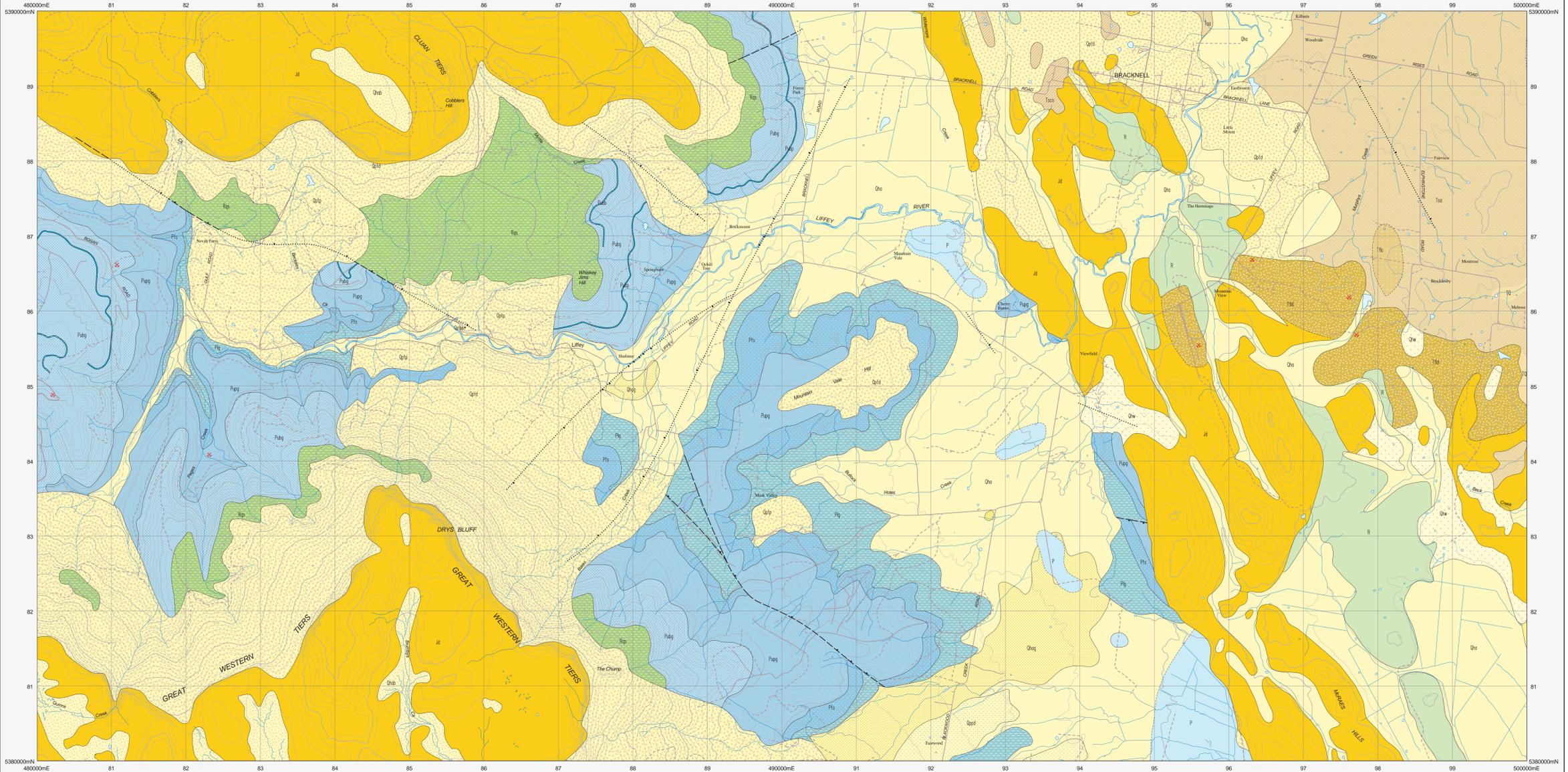


LIFFEY

Scale: 1:25 000



CENOZOIC	QUATERNARY	HOLOCENE	
		Qha	Qhb
		Stream alluvium, swamp and marsh deposits (Qha).	Swamp and marsh deposits (Qhb).
		Qhaq	Dolerite gravels and quartz sands (Qhaq).
		Qhac	Spring Limestone deposit (Qhac).
		Qhw	Windblown and locally derived sand (Qhw).
		Qppl	Probable Pleistocene low gradient alluvial fan deposits, clasts predominantly of dolerite to 0.6m diameter (Qppl).
		Qpfd	Talus consisting dominantly of dolerite boulders (Qpfd).
		Qpfp	Talus consisting dominantly of Permian-Triassic Palaeozoic Supergroup boulders (Qpfp), includes crudely bedded and sorted sand and gravel deposits, possibly derived by sheet erosion of higher level talus deposit at 455640mE, 5355500mN (Qpfp).
		Tld	Laterite derived from Jurassic dolerite (Tld).
		Tb	Basalt (Tb).
		Tfc	Clay with iron oxide pisoliths (Tfc).
		Tsca	Inter- and sub-basalt gravels of predominantly quartzite pebbles (Tsc).
		Tsa	Poorly consolidated clay, silt and clayey loess sand with rare gravel and lignite, some iron oxide-cemented layers and concretions, some leaf fossils (Tsa).

MESOZOIC	PERMIAN	PALAEOZOIC SUPERGROUP	
		P	R
		Puag	Undifferentiated Upper Permian Supergroup rocks (R).
		Puab	Cross-bedded quartz sandstone, feldspathic sandstone and shale (Puab).
		Pubg	1 to 2m thick resistant unit of siliceous granite to pebble conglomerate (Blackwood Conglomerate) (Pubg).
		Puag	Unfossiliferous pebbly siltstone, siltstone and sandstone (Boyan Gap Group) (Puag).
		Puag	3 to 5m thick resistant unit of unfossiliferous pebbly sandstone and conglomerate (Palmer Sandstone) (Puag).
		Puag	Sandstone, mudstone and pebbly mudstone with marine fossils (Palmer Group) (Puag).
		Pfs	Dominantly well-sorted quartz sandstone, normally cross-bedded or laminated and commonly with interbedded and laminated carbonaceous shale, lesser conglomerate and rare coal (Liffey Sandstone) (Pfs).
		Pfg	Predominantly fossiliferous and erratic rich mudstone, shale limestone and sandstone (Golden Valley Group) (Pfg).

INTRUSIVE ROCKS

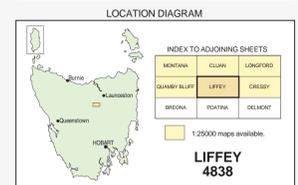
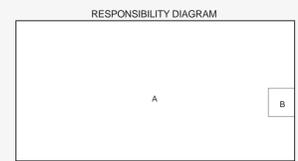
jd	Dolerite and related rocks (jd).
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- Geological boundary - position accurate or approximate.
- - - Geological boundary - inferred.
- - - Fault (unspecified) - position accurate or approximate.
- - - Fault (unspecified) - concealed.
- - - Normal fault (downthrown side indicated) - position accurate or approximate.
- - - Normal fault (downthrown side indicated) - concealed.
- (white line) Limit of mapping of sub-unit within undifferentiated rock unit (Colour boundary).

- Notable small outcrop.
- ✗ Construction materials location - Data derived from Mineral Resources Tasmania DEPOSITs data base, site point position has not been verified in every case.

Compiled by M.J. Vicary, 2004 as part of the Western Tasmania Regional Minerals Program, from the following sources (See Responsibility Diagram).

- A BARTON, C.M., BRAVO, A.P., GULLINE, A.B., LONGMAN, M.J., MARSHALL, B., MATHEWS, W.L., MOORE, W.R., NAYLOR, L.H. and PINE, G.P., 1989. Geological Atlas 1 mile series, Sheet 48 (82-48) Quamby, Tasmania, Department of Mines.
- B MATHEWS, W.L., 1983. Geology and groundwater of the Longford Tertiary basin, Bul' Good Sun' Tarn, 59.



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VICARY, M. (Compiler) 2004. Digital Geological Atlas 1:25 000 Scale Series, Sheet 4838 Liffey, Mineral Resources Tasmania.

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GDAS4 - MGA Zone 55. Contour Interval: 20 metres.

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