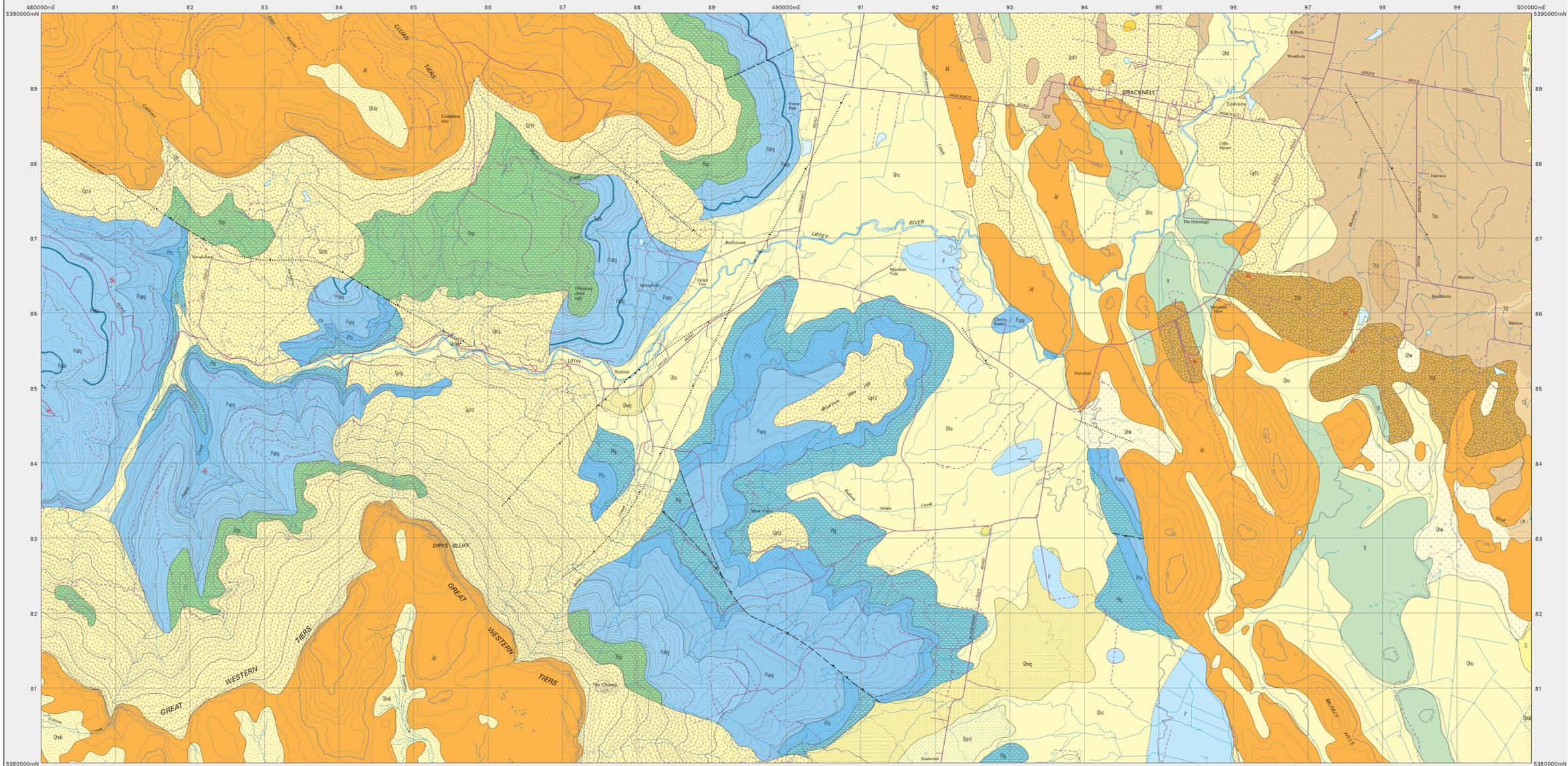


# LIFFEY

Scale: 1:25 000



480000mE 81 82 83 84 85 86 87 88 89 480000mE 91 92 93 94 95 96 97 500000mE  
5380000mN 89 88 87 86 85 84 83 82 81  
5380000mN 81 82 83 84 85 86 87 88 89 480000mE 91 92 93 94 95 96 97 98 99 500000mE

Compiled by M.J. Vicary, 2004 as part of the Western Tasmanian 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., RAYNS, L.H. and FINE, G.F., 1988. Geological atlas 1:100,000, sheet 48 (821-84) Queensland Department of Mines.  
B MATHEWS, W.L., 1982. Geology and groundwater of the Longford Tertiary basin. Bulletin Series Item 58.

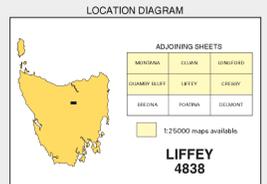
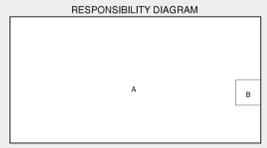
QUATERNARY	HOLOCENE	
	Qha	Stream alluvium, swamp and marsh deposits (Qha).
	Qhab	Swamp and marsh deposits (Qhab).
	Qhag	Dolerite gravels and quartz sands (Qhag).
	Qhah	Spring Limestone deposit (Qhah).
	Qhw	Windblown and locally derived sand (Qhw).
CAMBRIAN	PERMIAN	
	Ppa	Probable Palaeocene low gradient alluvial fan deposits, clasts predominantly of dolerite to 6cm diameter (Ppa).
	Ppb	Talus consisting dominantly of dolerite boulders (Ppb).
	Ppc	Talus consisting dominantly of Permo-Triassic Permian Supergroup boulders (Ppc). Includes crinoid belemnites and sorted sand and gravel deposits, possibly derived by direct erosion of higher level talus deposit at 485640mE, 5385600mN (Ppc1).
TERTIARY	Tfa	Laterite derived from Jurassic dolerite (Tfa).
	Tb	Basalt (Tb).
	Tfc	Clay with iron oxide pisoliths (Tfc).
	Tfd	Inter- and sub-basalt gravels of predominantly quartzite pebbles (Tfd).
	Tfe	Poorly consolidated clay silt and clayey loam sand with rare gravel and lignite; some iron oxide-cemented layers and concretions; some leaf fossils (Tfe).

MESOZOIC	TRIASSIC	
	R	Undifferentiated Upper Permian Supergroup rocks (R).
	Puq	Cross-bedded quartz sandstone, feldspathic sandstone and shale (Puq).
PALAEOZOIC <th colspan="2">PERMIAN</th>	PERMIAN	
	Pubq	1 to 2m thick resistant unit of siliceous granite to pebble conglomerate (Blackwood Conglomerate) (Pubq).
	Pupg	Unfossiliferous pebbly siltstone, siltstone and sandstone (Otago Gap Group) (Pupg).
	Ppug	1 to 5m thick resistant unit of unfossiliferous pebbly sandstone and conglomerate (Palmer Sandstone) (Ppug).
	Ppfs	Sandstone, mudstone and pebbly mudstone with marine fossils (Pictoria Group) (Ppfs).
	Ppfs	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) (Ppfs).
	Ppfs	Predominantly fossiliferous and erratic rich mudstone, shale, limestone and sandstone (Golden Valley Group) (Ppfs).

INTRUSIVE ROCKS	
Jd	Dolerite and related rocks (Jd).

- Geological boundary - position accurate or approximate.
- Geological boundary - inferred.
- Fault (unspecified) - position accurate or approximate.
- Fault (unspecified) - concealed.
- Normal fault (downtown side indicated) - position accurate or approximate.
- Normal fault (downtown side indicated) - concealed.
- (white line) Limit of mapping of sub-unit within undifferentiated rock unit ('colour boundary').

- Notable small outcrop.
- Mineral deposit location - hardrock. Data derived from Mineral Resources Tasmania DEPOSITS data base. Data point position has not been verified in every case.
- Mineral deposit location - alluvial. Data derived from Mineral Resources Tasmania DEPOSITS data base. Data point position has not been verified in every case.
- Construction materials location - Data derived from Mineral Resources Tasmania DEPOSITS data base. Data point position has not been verified in every case.



Base data from the LIST, Copyright State of Tasmania.  
Map produced by the Data Management Branch of Mineral Resources Tasmania using G.I.S. software.  
ADD64 - AMG Zone 55. Contour Interval: 20 metres.  
While every care has been taken in the preparation of this data, no warranty is given as to the correctness of the information and no liability is accepted for any statement or opinion or for any error or omission. No reader should act or fail to act on the basis of any material contained herein. Readers should consult professional advisers. As a result the Crown in Right of the State of Tasmania and its employees, contractors and agents expressly disclaim all and any liability (including all liability from or attributable to any negligent or wrongful act or omission) to any persons whatsoever in respect of anything done or omitted to be done by any such person in reliance whether in whole or in part upon any of the material in this data. Crown copyright reserved.