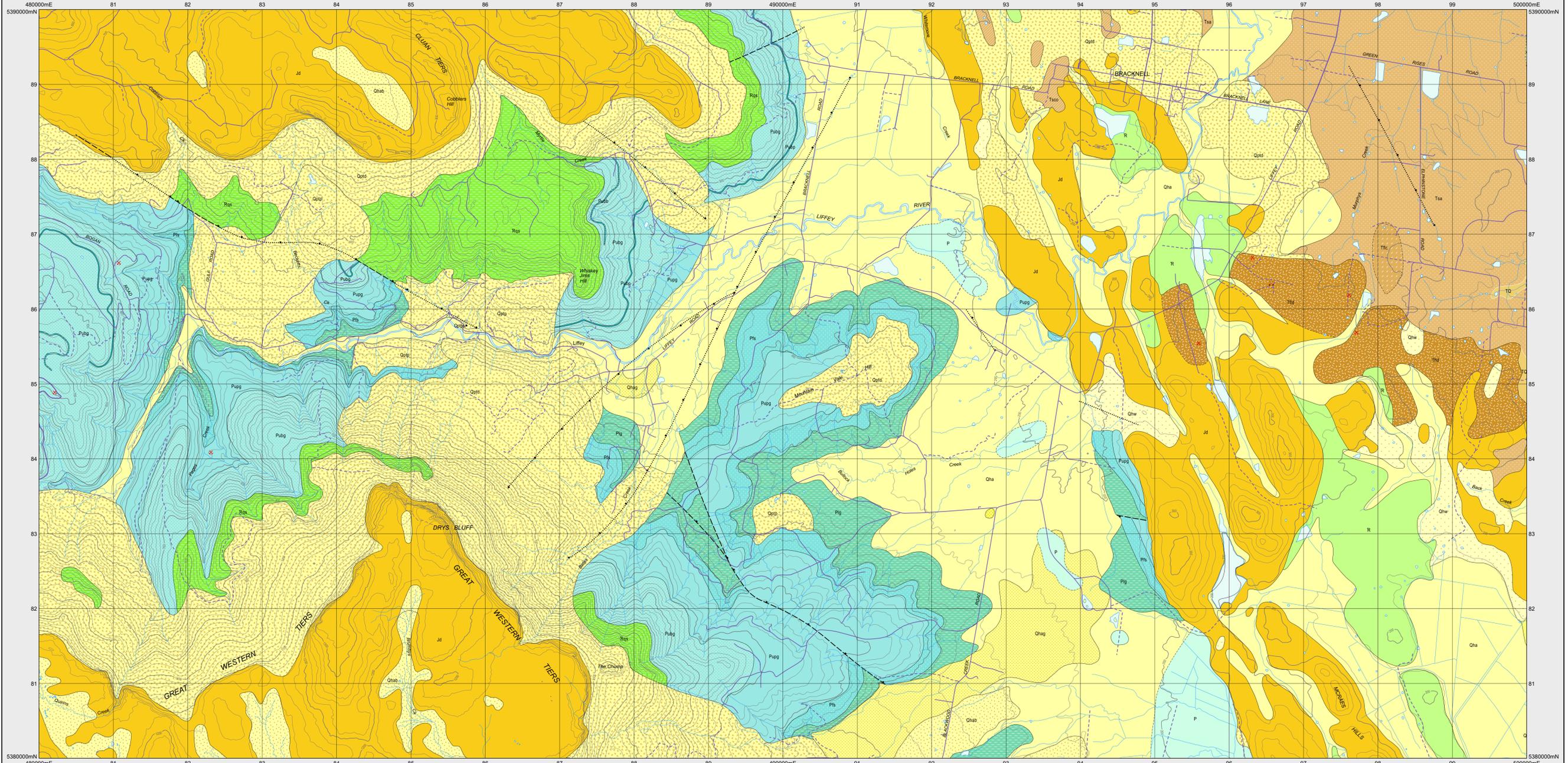


LIFFEY

Scale 1:25 000



CENOZOIC	QUATERNARY	
	HOLOCENE	PLEISTOCENE
	Qha	Undifferentiated Cenozoic sediments (TQ).
	Qhali	Undifferentiated Quaternary sediments (TQ).
	Qhab	Stream alluvium, swamp and marsh deposits (Qha).
	Qhag	Dolerite gravels and quartz sands (Qhag).
	Qhsc	Spring Limestone deposit (Qhsc).
	Qhw	Windblown and locally derived sand (Qhw).
	Qopt	Talus consisting dominantly of dolerite boulders (Qopt).
	Qopt	Talus consisting dominantly of Permo-Triassic Parmeener Supergroup boulders (Qopt), includes crudely bedded and sorted sand and gravel deposits; possibly derived by sheet erosion of higher level talus deposit at 485 600mE; 5 385 600mN (Qopta).
	Ttd	Laterite derived from Jurassic dolerite (Ttd).
	Tb	Basalt (Tb).
	Tfc	Clay with iron oxide pisoliths (Tfc).
	Tsc	Inter- and sub-basalt gravels of predominantly quartzite pebbles (Tsc).
	Tsa	Poorly consolidated clay, silt and clayey lable sand with rare gravel and lignite, some iron oxide-cemented layers and concretions; some leaf fossils (Tsa).

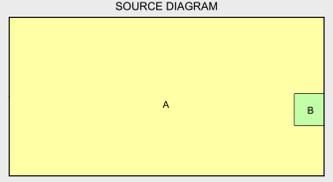
MESOZOIC	TRASSIC	
	PERMIAN	TRIASSIC
	R	Undifferentiated Upper Parmeener Supergroup rocks (R).
	Rcp	Cross-bedded quartz sandstone, feldspathic sandstone and shale (Rcp).
	P	Undifferentiated Permo-Carboniferous sediments (P).
	Pubb	1 to 2m thick resistant unit of siliceous granule to pebble conglomerate (Blackwood Conglomerate) (Pubb).
	Pubg	Unfossiliferous pebbly siltstone, siltstone and sandstone (Bogen Gap Group) (Pubg).
	Pulp	3 to 5m thick resistant unit of unfossiliferous pebbly sandstone and conglomerate (Palmer Sandstone) (Pulp).
	Pupg	Sandstone, mudstone and pebbly mudstone with marine fossils (Poatina Group) (Pupg).
	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).
	Pig	Predominantly fossiliferous and erratic rich mudstone, shale limestone and sandstone (Golden Valley Group) (Pig).

INTRUSIVE ROCKS	
Jd	Dolerite and related rocks (Jd).

CONTACTS	
—	Geological contact.
- - - - -	Geological contact - inferred.
—	Limit of mapping of sub-unit within undifferentiated rock unit.
—	Limit of detailed mapping.

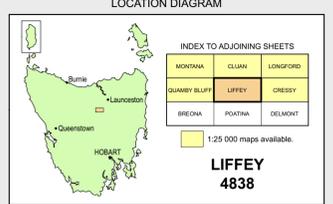
FAULTS	
- - - - -	Fault.
- - - - -	Fault - concealed.
- - - - -	Normal fault (downthrown side indicated).
- - - - -	Normal fault (downthrown side indicated) - concealed.

- Notable small outcrop with rock unit indicated.
- ⊠ Mineral deposit location - alluvia/tailings.
- ⊠ 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.

Compiled by M.J. Vicary, 2004 as part of the Western Tasmanian Regional Minerals Program, from the following sources (see source diagram):
 A. BARTON, C.M., BRAVO, A.P., GULLINE, A.B., LONGMAN, W.J., MARSHALL, B., MATHEWS, W.L., MOORE, W.R., NAVOL, J.H. and PIKE, G.P., 1969. Geological Atlas 1 mile series, Sheet 46 (8214N) Quambi, Tasmania Department of Mines.
 B. MATHEWS, W.L., 1963. Geology and groundwater of the Longford Tertiary basin. Bull. Geol. Surv. Tas., 55.



REFERENCE THIS MAP AS:
 VICARY, M. (Compiler) 2004. Digital Geological Atlas 1:25 000 Scale Series, Sheet 4838 Liffey, 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
 GDA94 - MGA 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 persons in reliance whether in whole or in part upon any of the material in this data. Crown copyright reserved.