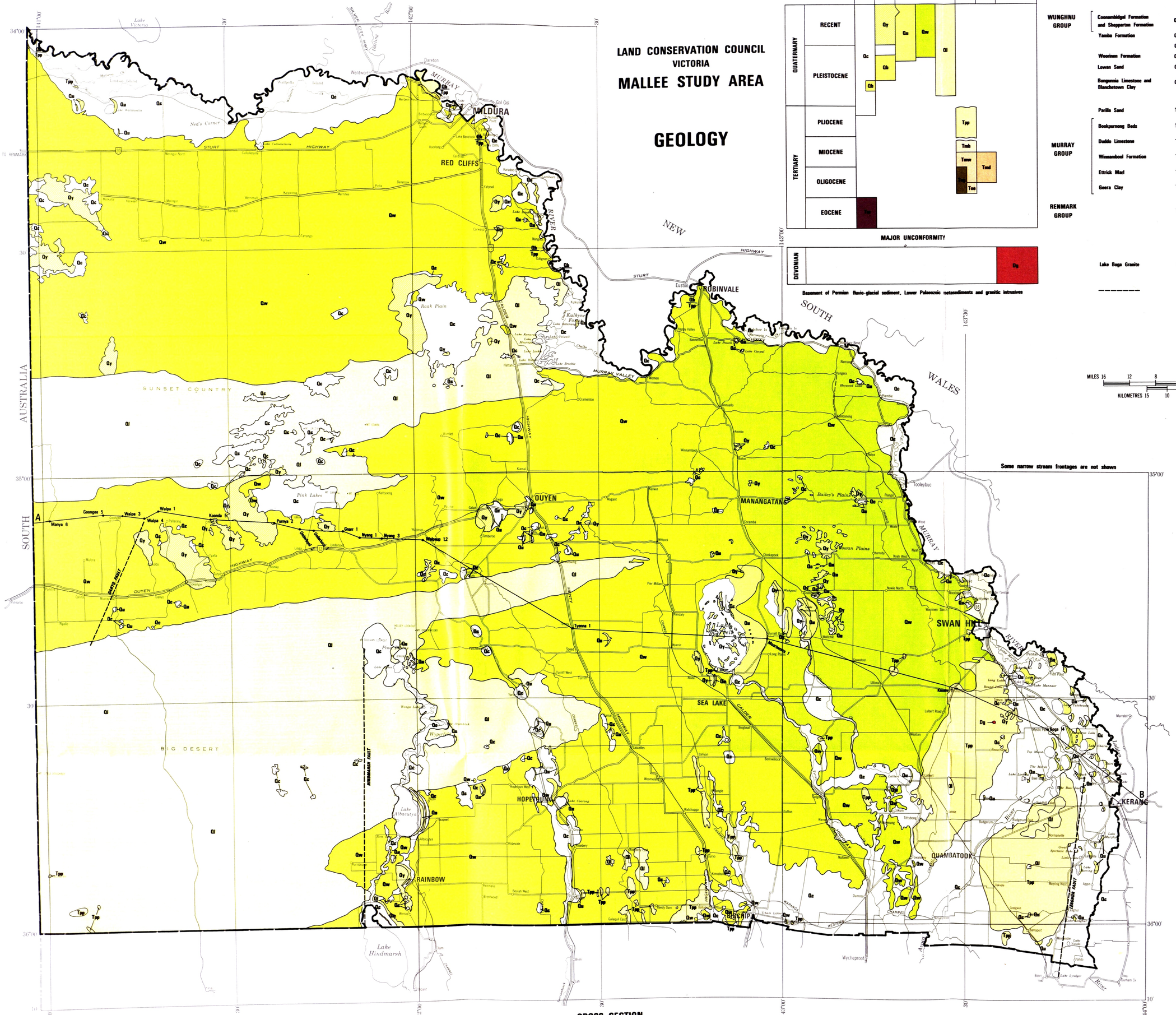
LAND CONSERVATION COUNCIL
VICTORIA
MALLEE STUDY AREA
GEOLOGY



QUATERNARY	RECENT	Qc, Qy, Qu, Qw, Ql	
	PLEISTOCENE	Qc, Qb, Qb	
TERTIARY	PLIOCENE	Tpp	
	MIOCENE	Tmb, Tmw, Tmd	
	OLIGOCENE	Tog, Toe	
	EOCENE	Ter	
	MAJOR UNCONFORMITY		
DEVONIAN		Dg	

Basement of Permian fluvio-glacial sediment, Lower Palaeozoic metasediments and granitic intrusives

WUNGHNU GROUP	Coonambidgal Formation and Shepparton Formation	Qc	Clay, sand and sandy clay, slight soil development; also deposits of playas- often grey clay, in places buried beneath a thin layer of red sand or red-brown earth.
	Yamba Formation	Qy	Gypsum; evaporite deposits; macrocrystalline aeolian fine grained gypsum often as transverse dunes on floors of ancestral lakes.
		Qu	Lunette deposits; clay, silt, sand, gypseous clay and gypsum. Includes several paleosols.
	Woorinen Formation	Qw	Sand, reddish, clayey. Includes paleosols with prominent caliche horizons. Parallel dunes orientated east-west.
	Lowan Sand	Ql	Sand, white to yellow, fine to medium grained. Sub-parabolic, parallel and irregular dune networks.
	Bungunnia Limestone and Blanchetown Clay	Qb	Dolomitic limestone, thin bedded; dolomite containing ostracods Clay, sandy clay, olive to grey, fine bedded, containing ostracods, crustacean fragments.
	Parilla Sand	Tpp	Sand, sandstone and silt, white to yellow, cross bedding, lateritic weathering.
MURRAY GROUP	Bookpurnong Beds	Tmb	Calcareous clay and marl, grey, fossiliferous, sometimes glauconitic. Includes silt.
	Duddo Limestone	Tmd	Limestone, white, skeletal micrite to detrital micrite. Bryozoans major fossil group.
	Winnambool Formation	Tmw	Marly limestone, glauconitic silt and marl, grey, green, fossiliferous.
	Ettrick Marl	Toe	Marl, grey, fossiliferous and glauconitic, limonitic in places.
	Geera Clay	Tog	Clay, dark grey to black, rarely silt, sometimes glauconitic.
RENMARK GROUP		Ter	Siltstone, carbonaceous and dolomitic; lignite and sand, often pyritic and carbonaceous.
	Lake Boga Granite	Dg	Granite, felspar porphyry (composite intrusion).
	————		Fault Inferred

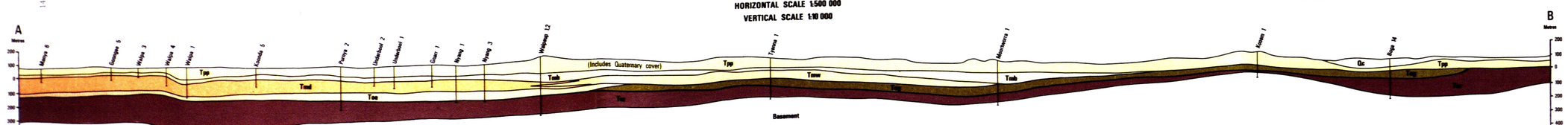
1:500,000

MILES 16 12 8 4 0 16 MILES

KILOMETRES 15 10 5 0 15

Some narrow stream frontages are not shown

CROSS SECTION
HORIZONTAL SCALE 1:500 000
VERTICAL SCALE 1:10 000



Prepared from maps supplied by the Geological Survey, Mines Department, Victoria.

MAP No 2