

# 798331

## MOUNT MUELLER

This land system is restricted to an area around Mount Mueller which is situated in the east of the study area. It consists of relatively long, steep slopes underlain by Pleistocene glacial deposits that are composed predominantly of Jurassic dolerite derived from Mount Mueller. On the lower slopes sandstone and shale fragments together with minor amounts of laterite were also found in these deposits. Valley and upper slope locations were not investigated during field work.

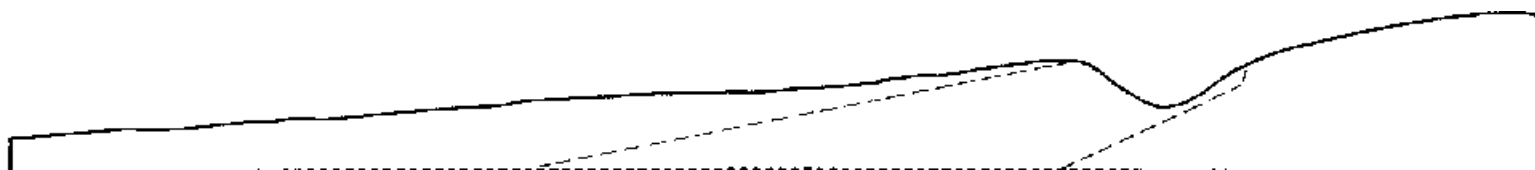
Organic soil is typical of surface horizons in the land system with substrates consisting of unsorted glacial material. Shallow clay loam or light clay soils may have formed on upper slopes. Valley and lower slope locations support forest or rainforest with localised areas of scrub. The scrub on the upper slopes is clearly evident on aerial photographs.

The area is designated State Forest. Sheet and rill erosion are potential problems if the forest is cleared.

LAND SYSTEM  
MT MUELLER

798331

Area (ha): 1785



ALTITUDINAL RANGE (m)	600-900	APPROXIMATE ANNUAL RAINFALL (mm)	1500-2000
SITE NO. /ALTITUDE (m)/ASPECT TOPOGRAPHY	168/480/W	No site data Slopes	No site data
Position	Lower slopes	Valleys	Upper slopes
Typical Slope( )	10-20	20-40	15-30
Proportion(%)	70	10	20
GEOLOGY	Dolerite scree deposits of Pleistocene age		
NATIVE VEGETATION Structure	Open-forest	Closed-forest	Scrub
	<i>Eucalyptus nitida</i>	<i>Nothofagus cunninghamii</i>	<i>Nothofagus cunninghamii</i>
Floristic Association	<i>E. delegatensis</i> <i>Banksia marginata</i>	<i>Atherosperma moschatum</i> <i>Phyllocladus aspleniifolius</i>	<i>Eucalyptus coccifera</i> <i>Telopea truncata</i>
(See Appendix 1 for common names )	<i>Leptospermum nitidum</i> <i>Bauera rubioides</i> <i>Acacia mucronata</i>	<i>Leptospermum lanigerum</i> <i>Anopterus glandulosus</i> <i>Bauera rubioides</i>	<i>Orites revoluta</i> <i>Richea scoparia</i>
	<i>Gahnia grandis</i> <i>Monotoca glauca</i> <i>Pittosporum bicolor</i> <i>Cenarrhenes nitida</i>	<i>Blechnum watsii</i> <i>Trochocarpa cunnii</i> <i>Dicksonia antarctica</i>	
SOIL Surface(A or P horizon)Colour (moist) and texture	Dark reddish brown (5 YR 2.5/2) fibrous peat	Dark reddish brown fibrous peat	Loam or clay loam with a shallow peat layer in places
Subsoil (or B horizon) colour (moist) and texture	Dark greyish brown (10 YR 4/2) loamy sand over a brownish yellow (10 YR 6/8) clayey sand with a white (10 YR 8/2) mottle	Complex unsorted glacial material	Clay loam or light clay
Primary Profile form	Complex (glacial deposit)		
Depth surface horizon(m)	0. 10		
Typical total depth(m)	2. 00		
Permeability	High		
LAND USE		State forest	
HAZARD	Moderate to high sheet and rill erosion if cleared		