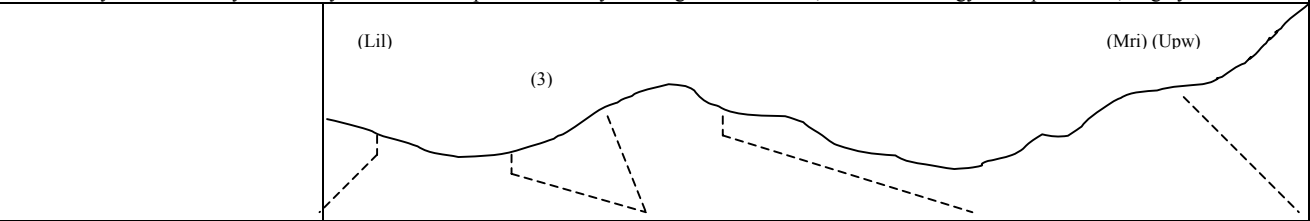


**MONTROSE (Mon) LAND SYSTEM (Area: 16 km<sup>2</sup>; 0.5%)**

Hills on rhyodacite and rhyolite with yellow brown duplex and locally brown gradational soils; messmate-stringybark open-forest, largely cleared.



LAND COMPONENT	1	2	3
Proportion (%)	5	10	85
<b>CLIMATE</b>	Annual precipitation 900-1000 mm		
<b>GEOLOGY</b>	Mt Dandenong volcanics: Mt Evelyn rhyodacite and Coldstream rhyolite.		
<b>TOPOGRAPHY</b>			
Elevation (m)	150-300		
Local Relief (m)	50-100		
Land Form	Hills		
Position	Minor drainage lines	Broad crests	Moderately steep slopes
Sideslope (%)	Stream grade: 2-5	0-8; ave. 5	8-20; ave. 12
Slope Shape	Concave	Convex	Variable
<b>NATIVE VEGETATION</b>			
Structure	Open-forest		
Association	Swamp gum, manna gum	Messmate, stringybarks, narrow leaf and broad leaf peppermint, long leaf box	
<b>SOILS</b>			
Group	Grey and yellow brown mottled duplex soil, and undifferentiated soil.	Yellow brown duplex soil, and mottled yellow brown duplex soil in places overlying red and grey mottled dense clay. In places brown gradational soil.	
Northcote Class	Dg 2, Dy 3, Um 1.3	Dy 3.21, Dy 3.41, Gn 4.34	
Surf. Texture	Sandy loam to sandy clay loam	Loamy fine sand to silt loam	
Subsurf. Texture	Sandy clay loam to clay	Fine sandy clay to clay	
Permeability	Low	Low	
Soil Depth (m)	>2.00	1.00-1.50	
<b>LAND USE</b>	Mostly urban; also rurban use; grazing.		
<b>HAZARDS</b>	Waterlogging	Low sheet erosion	Moderate sheet erosion
<b>CAPABILITY</b>			
Urban Subdivision	IV	I	II
Rurban Subdivision	D	A	A
Agriculture	3	2	3