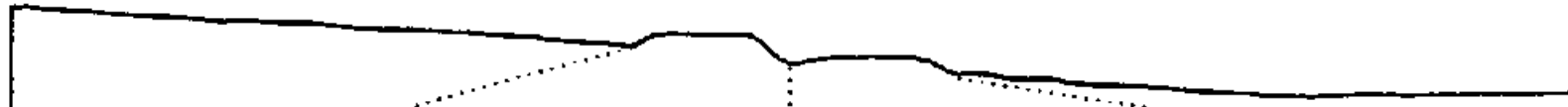


LAND SYSTEM  
Merrywood Hills

375241

Area (ha)  
3593



COMPONENT	A	B	C	D
PROPORTION (%)	40	10	10	40
RAINFALL (mm)	Approximate Annual Rainfall: 625-750			
GEOLOGY	Triassic Mudstone, Siltstone, Sandstone			
TOPOGRAPHY	Steep Slopes and Associated Flat-Topped Ridges			
Position	Protected Upper Slopes	Flat-Topped Ridges	Flat-Topped Ridges	Lower Slopes/Flats
Typical Slope (o)	10	3	3	5
NATIVE VEGETATION				
Structure	Open Forest	Open Forest/Woodland	Open Forest/Woodland	Open Forest
Floristic Association (See Appendix 1 for common names)	<i>Eucalyptus delegatensis</i>	<i>Eucalyptus amygdalina</i>	<i>Eucalyptus amygdalina</i>	<i>Eucalyptus amygdalina</i>
	<i>Eucalyptus viminalis</i>	<i>Eucalyptus Viminalis</i>	<i>Pteridium esculentum</i>	<i>Eucalyptus viminalis</i>
	<i>Acacia dealbata</i>	<i>Pteridium esculentum</i>	<i>Poranthera microphylla</i>	<i>Eucalyptus ovata</i>
	<i>Olearia lirata</i>	<i>Acacia dealbata</i>	<i>Poa sp.</i>	<i>Cassinia aculeata</i>
	<i>Pteridium esculentum</i>			<i>Pteridium esculentum</i>
	<i>Exocarpos cupressiformis</i>			<i>Acacia dealbata</i>
	<i>Pultenaea juniperina</i>			<i>Lomandra longifolia</i>
	<i>Cassinia aculeata</i>			
<i>Poa sp.</i>				
SOIL				
Surface(A)Texture	Clay Loam/ Fine Sandy Loam	Loam	Clay Loam	Clay Loam
B Horizon (subsoil) Colour (moist) Texture and primary profile form	Shallow medium clay - Very pale brown (10 YR 7/4) . Duplex.	Shallow loam - Black (10 YR 2/1) over sandy loam - Dark greyish brown (10 YR 4/2) on bedrock. Complex.	Shallow medium clay - Light yellowish brown (10 YR 6/4) . Duplex.	Deep medium clay - Light yellowish brown (10 YR 6/4) with dark grey (10 YR 4/1) mottle. Duplex.
Permeability	Moderate	Moderate/High	Moderate/High	Moderate/Low
Typical depth(m)	0.50	0.50	0.60	0.80
LAND USE		Forestry, Grazing, Coal Mining		
HAZARDS		Moderate Sheet, Rill Erosion		Moderate Gully, Streambank Erosion

378241

MERRYWOOD HILLS

This land system is located east of Avoca on the south facing slopes under the Fingal Tier (472343) Land System. It consists of steep slopes and associated flat-topped ridges formed on sediments of the upper Parmeener Supergroup with localised areas of the lower Parmeener Supergroup.

Protected upper slopes (>400 m A.S.L.) have a shallow (0.50 m), duplex soil with a clay loam to fine sandy loam surface over a very pale brown clay. This supports an open forest dominated by *Eucalyptus delegatensis* and *Eucalyptus viminalis* with an understorey of *Acacia dealbata*, *Olearia lirata*, *Pteridium esculentum*, *Exocarpos cupressiformis*, *Pultenaea juniperina*, *Cassinia aculeata* and *Poa sp.*

Flat-topped ridges contain a shallow (0.50 m), complex soil with a black loam surface over a dark greyish brown, sandy loam on bedrock. This supports an open forest/woodland dominated by *Eucalyptus amygdalina* and *Eucalyptus viminalis* with an understorey of *Pteridium esculentum* and *Acacia dealbata*. Flat-topped ridges also contain a shallow (0.60 m), duplex soil consisting of a clay loam surface over a light yellowish brown clay. This supports an open forest to woodland dominated by *Eucalyptus amygdalina* with an understorey of *Pteridium esculentum*, *Poranthera microphylla* and *Poa sp.*

Lower slopes and flats contain a deep (0.80 m), duplex soil with a clay loam surface over a light yellowish brown, medium clay with a dark grey mottle. This supports an open forest dominated by *Eucalyptus amygdalina*, *Eucalyptus viminalis* and *Eucalyptus ovata* with an understorey of *Pteridium esculentum*, *Cassinia aculeata*, *Acacia dealbata* and *Lomandra longifolia*.

The land system is mainly used for forestry and grazing. A coal mine also operates in the area. The country is particularly susceptible to erosion. Sheet and rill erosion problems occur on the slopes whilst gully and streambank erosion occurs on the lower slopes and flats.



Lower slopes of the Merrywood Hills (378241 ) Land System.