

THE DOG KENNELS (358251) LAND SYSTEM



Shallow stony crests on Mathinna Beds in The Dog Kennels (358251) Land System dominated by *Eucalyptus amygdalina* and *Eucalyptus viminalis*.

Steep highly dissected slopes in The Dog Kennels (358251) Land System near Ormley.



LAND SYSTEM
The Dog Kennels

358251

Area (ha):
9775



COMPONENT	A	B	C	D	E
PROPORTION(%)	30	30	5	30	5
RAINFALL(mm)	Approximate Annual Rainfall: 625-750				
GEOLOGY	Mathinna Beds (Slate, Phyllite, Siltstone, Sandstone Sequences)				
TOPOGRAPHY	Steep Highly Dissected Slopes				
Position	Crests	Upper Slopes	Localised Benches	Lower slopes	Flats
Typical Slope(°)	0-15	30	0	15	0
NATIVE VEGETATION					Woodland/Open
Structure	Low Woodland	Woodland	Woodland	Woodland	Woodland Over Grassland
	<i>Eucalyptus amygdalina</i>	<i>Eucalyptus amygdalina</i>	<i>Eucalyptus amygdalina</i>	<i>Eucalyptus amygdalina</i>	<i>Eucalyptus amygdalina</i>
	<i>Eucalyptus viminalis</i>	<i>Acacia dealbata</i>	<i>Eucalyptus viminalis</i>	<i>Eucalyptus rubida</i>	<i>Acacia dealbata</i>
	<i>Lissanthe strigosa</i>	<i>Pteridium esculentum</i>	<i>Acacia dealbata</i>	<i>Eucalyptus viminalis</i>	<i>Lissanthe strigosa</i>
		<i>Lomandra longifolia</i>	<i>Pteridium esculentum</i>	<i>Wahlenbergia sp.</i>	<i>Lomandra longifolia</i>
		<i>Oxylobium ellipticum</i>		<i>Acacia dealbata</i>	<i>Acacia melanoxylon</i>
				<i>Pteridium esculentum</i>	
				<i>Exocarpos</i>	
				<i>Astroloma humifusum</i>	
				<i>Lomandra longifolia</i>	
				<i>Casuarina stricta</i>	
SOIL					
Surface(A)Texture	Stony Fine Sandy Loam	Fine Sandy Loam/Clay Loam	(Sandy) Clay Loam	Clay Loam/Loam	Silt Loam
B Horizon(subsoil) Colour (moist) Texture and primary profile form	Extremely stony, gravelly shallow, fine sandy loam brown/dark brown (10 YR 4/3) to brownish yellow (10 YR 6/8). Uniform.	Shallow stony, gravelly, medium clay - yellowish brown (10 YR 5/8). Gradational.	Shallow light to medium clay - light yellowish brown (10 YR 6/4) to brownish yellow (10 YR 6/6). Duplex.	Shallow stony medium clay - brdwn/dark brown (7.5 YR 4/4) . Duplex.	Deep stony medium clay - brownish yellow (10 YR 6/6) With grey (10 YR 5/1) mottle. Duplex.
Permeability	High	Moderate/High	Moderate/High	Moderate/High	Moderate
Typical depth(m)	0.30	0.60	0.60	0.60	1.10
LAND USE	Grazing, Forestry				
HAZARDS	Low/Moderate Sheet, Rill, Gully Erosion				

358251

THE DOG KENNELS

The Dog Kennels Land System is located in the northern part of the study area near Avoca and Ormley and consists of highly dissected slopes formed on sequences of Mathinna Beds.

A shallow uniform, stony fine sandy loam is found on the crests and upper slopes which supports a low woodland dominated by *Eucalyptus amygdalina* and *Eucalyptus viminalis* over an extremely bare understorey that includes *Lissanthe strigosa*.

A shallow, stony, gravelly, duplex soil is found on the upper slopes with a fine sandy loam to clay loam surface over a yellowish brown medium clay. This supports a *Eucalyptus amygdalina* woodland with an understorey of *Acacia dealbata*, *Pteridium esculentum*, *Lomandra longifolia* and *Oxylobium ellipticum*.

Localised benches contain a shallow duplex soil which consists of a sandy clay loam to clay loam surface over a yellowish brown to brownish yellow clay. This supports a *Eucalyptus amygdalina* - *Eucalyptus viminalis* woodland over *Acacia dealbata* and *Pteridium esculentum*.

Lower slopes have a shallow, stony duplex soil consisting of a clay loam/loam surface over a brown/dark brown clay. This supports a *Eucalyptus amygdalina*, *Eucalyptus rubida*, *Eucalyptus viminalis* woodland over *Acacia dealbata*, *Pteridium esculentum*, *Wahlenbergia* sp., *Exocarpos cupressiformis*, *Astroloma humifusum*, *Lomandra longifolia* and *Casuarina stricta*.

Flats contain a deep (1.10 m) duplex stony soil with a woodland/open woodland dominated by *Eucalyptus amygdalina* over *Acacia dealbata*, *Lissanthe strigosa*, *Lomandra longifolia* and *Acacia melanoxylon*.

The land system is used for grazing and forestry. It is not particularly susceptible to sheet, rill and gully erosion. It is related to the Wardlaws Creek (554141) and St Marys Hills (554231) Land Systems.

See photos on previous page.