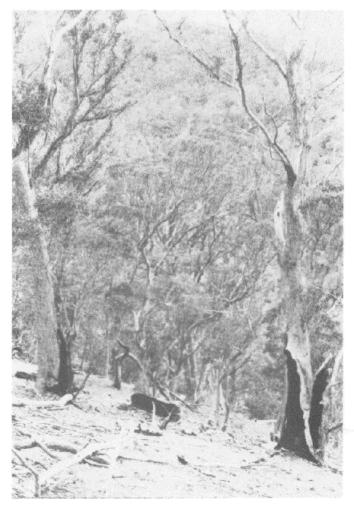


Shallow stony crests on Mathinna Beds in The Dog Kennels (358251) Land System dominated by *Eucalyptus amyqdalina and Eucalyptus viminalis*.



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

λгеа (ba): 9775 СОМРОЛЕМТ					
COMPONENT					
COMPONENT	A	В	С	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	T				Woodland/Open
Structure	Low Woodland	Woodland	Woodland	Woodland	Woodland Over Grassland
	Eucalyptus amygdalina	Eucalyptus amygdalina	Eucalyptus amygdalina	Eucalyptus amygdalina	Eucalyptus amygdalina
	Eucalyptus viminalis	Acacia dealbata	Eucalyptus viminalis	Eucalyptus rubida	Acacia dealbata
	Lissanthe strigosa	Pteridium esculentum	Acacia dealbata	Eucalyptus viminalis	Lissanthe strigosa
	Lissanche serigesa	Lomandra longifolia	Pteridium esculentum	Wahlenbergia sp.	Lomandra longifolia
		Oxylobium ellipticum	rteriaram escarentam	Acacia dealbata	Acacia melanoxylon
					Acacia meianoxyion
				Pteridium esculentum	
				Exocarpos	
				Astroloma humifusum	
				Lomandra longifolia	
				Casuarina stricta	
SOIL					
Surface(A)Texture	Stony Fine Sandy Loam	Fine Sandy Loam/Clay Loam	(Sandy) Clay Loam	Clay Loam/Loam	Silt Loam
В	Extremely stony,	Shallow stony,	Shallow light to	Shallow stony medium	Deep stony medium clay
Horizon(subsoil)	gravelly shallow, fine	gravelly, medium clay	medium clay - light	clay - brdwn/dark	brownish yellow (10 YR
Colour (moist)	sandy loam brown/dark	- yellowish brown (10	yellowish brown (10	brown (7.5 YR 4/4) .	6/6) With grey (10 YR
Texture and	brown (10 YR 4/3) to	YR 5/8). Gradational.	YR 6/4) to brownish	Duplex.	5/1) mottle. Duplex.
primary profile	brownish yellow (10 YR	in 5,6). Gradacionai.	yellow (10 YR 6/6).	Dupiex.	5, 1, motere. Duprex.
form	6/8). Uniform.				
	. ,		Duplex.		
Permeability	High	<i>Moderate/High</i>	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.