

LAND SYSTEM
Ragged Tier

482141

Area (ft a) :
2325

COMPONENT	A	B	C	D
PROPORTION(%)	50	20	20	10
RAINFALL (mm)	Approximate Annual Rainfall: 750-1000			
GEOLOGY	Tertiary Basalt			
TOPOGRAPHY	Hills			
Position	Crests/Upper Slopes	Midslopes	Drainage lines/Flats	Flats
Typical Slope()	15-20	10	10	0
NATIVE VEGETATION Structure	Woodland/Open Forest			
Floristic Association (see Appendix 1 for common names)	<u>Eucalyptus viminalis</u> <u>Eucalyptus obliqua</u> - predominantly cleared			
SOIL surface(A)Texture	Stony Clay Loam	Clay Loam	Medium Clay	Clay Loam
B Horizon(subsoil) Colour (moist) Texture and primary profile form	Shallow, stony, clay loam - very dark brown to dark reddish brown (5 YR 3/3) on bedrock. Uniform.	Deep medium clay - dark yellowish brown (10 YR 4/4). Duplex.	Deep medium clay - greyish brown (10 YR 5/2). Uniform.	Deep light to medium clay - dark yellowish brown (10 YR 4/4) to grey (10 YR 5/1) with greyish brown (10 YR 5/2) mottle. Gradational.
Permeability	Moderate/High	Moderate	Low	Moderate
Typical depth(m)	0.40	>1.40	>1.40	>1.40
LAND USE	Crazing, Cropping			
HAZARDS	Moderate Sheet Erosion	Slumping	Waterlogging, Flooding	

482141

RAGGED TIER

This land system includes basalt hills and associated flats near Copping and Kellevie. It has been extrapolated to include a number of outlying areas such as at Nugent.

Crests and upper slopes contain a stony, shallow (0.40 m), uniform, very dark brown, clay loam developed on bedrock. Mid-slopes have a deep (>1.40 m), duplex soil with a clay loam surface over a dark yellowish brown, medium clay. Drainage lines and flats contain a deep (>1.40 m), uniform, dark yellowish brown, medium clay. Flats have a deep (>1.40 m), gradational soil with a clay loam surface over a dark yellowish brown to grey, medium clay with a greyish brown mottle.

Grazing and cropping are the major land uses. Sheet erosion is a problem on the crests and upper slopes, whilst waterlogging and flooding are potential hazards on the drainage lines and flats. Slumping and landslides have been reported by Loveday (1957) near Bream Creek. The land system includes areas described and mapped by Loveday (1957) and Loveday (1955b) as "krasnozems with hydromorphic soils on basalt", "shallow red-brown soils on basalt" and "black soils on basalt".



Basalt hills in the Ragged Tier (482142) Land System.