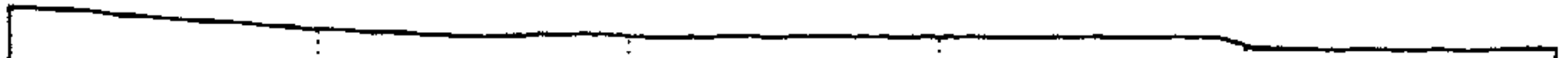


LAND SYSTEM  
Ouse Flats

288122

Area(ha):  
4131



COMPONENT	A	B	C	D	E
PROPORTION(%)	20	20	20	20	20
RAINFALL (mm)	Approximate Annual Rainfall: 500-625				
GEOLOGY	Tertiary/Quaternary Deposits (clays, sands, gravels)				
TOPOGRAPHY	Open Plains and Associated Valley Slopes				
Position	Slopes	Slopes/Flats	Flats	Flats	Drainage Flats
Typical Slope(o)	5	5	2	0	0
NATIVE VEGETATION					
Structure	Woodland				
Floristic Association (See Appendix 1 for common names)	Eucalyptus viminalis Eucalyptus rubida		Eucalyptus ovata Acacia melanoxylon Lomandra longifolia		
SOIL					
Surface(A)Texture	Fine Sandy Loam	Sandy Loam	Fine Sandy Loam	Silty Clay Loam	Light Clay
B Horizon(subsoil) Colour (moist) Texture and primary profile form	Deep heavy clay. Very dark greyish brown (2.5 YR 3/2) to light olive brown (2.5 Y 5/6). Duplex.	Deep sandy clay-yellowish brown (10 YR 5/6) with grey (10 YR 5/1) mottle. - lateritic gravels sometimes abundant. Duplex.	Deep light clay - dark brown (7.5 YR 3/4) to dark reddish brown (5 YR 3/4). mes Gradational.	Deep silty clay - very dark brown (10 YR 2/2) to sandy clay - brown/dark brown (10 YR 4/3). Gradational.	Deep heavy clay - black (10 YR 2/1) to dark grey (10 YR 4/1). Gradational.
Permeability	Moderate	Moderate	Moderate	Moderate	Low
Typical depth(m)	>1.40	>1.40	>1.40	>1.40	>1.40
LAND USE	Grazing, Cropping				
HAZARDS	Low/Moderate Sheet, Rill, Gully Erosion			Streambank Erosion, Waterlogging/Flooding	

288122

OUSE FLATS

This land system includes the open plains and associated slopes between Hamilton and Ouse on Tertiary and Quaternary deposits. Deep duplex and gradational soils are found throughout the land system.

Slopes commonly contain a deep (>1.40 m) duplex soil consisting of a fine sandy loam surface over a very dark greyish brown to light olive brown heavy clay. Slopes and flats contain a deep (>1.40 m) duplex soil consisting of a sandy loam surface over a yellowish brown sandy clay with a grey mottle. Flats also contain deep (>1.40 m) gradational soils with a fine sandy loam to silty clay loam surface over a very dark brown to dark reddish brown light clay, silty clay or sandy clay. The native vegetation consists of a woodland dominated by *Eucalyptus viminalis* and *Eucalyptus rubida*, but this has been extensively cleared.

Drainage flats commonly contain a deep (>1.40m) gradational soil consisting of a light clay surface over a black to dark grey heavy clay. This supports a woodland dominated by *Eucalyptus ovata* and *Acacia melanoxylon* with an understorey of *Lomandra longifolia*.

Sheet, rill and gully erosion are problems on the slopes and flats whilst streambank erosion, waterlogging and flooding occur along drainage lines.



Undulating plains in the Ouse Flats  
(288122) Land System with the Moulton  
(182132) Land System behind.