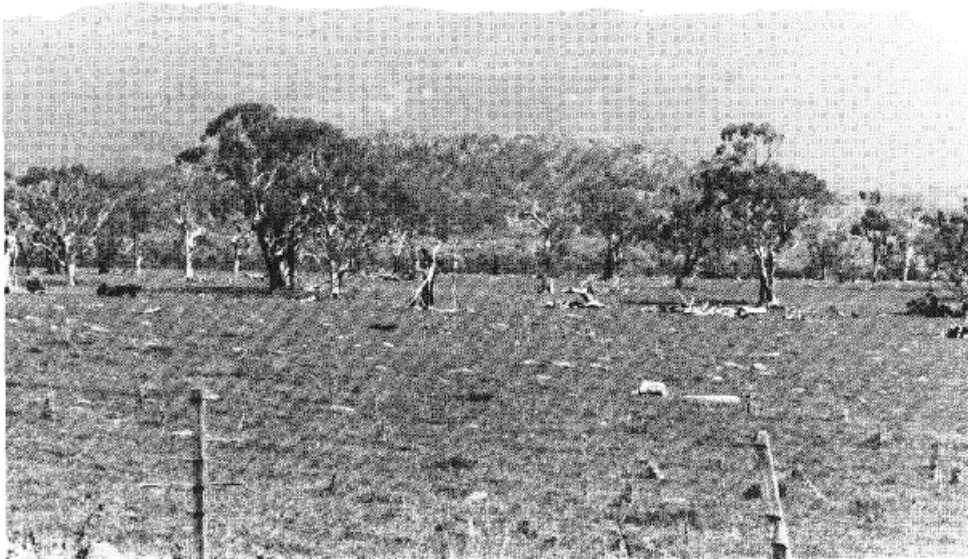


ISIS RIVER FLATS (298125) LAND SYSTEM [See description on next page]

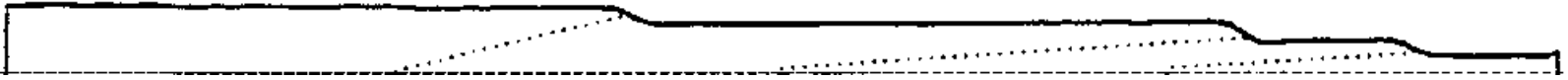


Isis River Flats containing a woodland dominated by *Eucalyptus rubida* and *Eucalyptus pauciflora* with the Great Western Tiers behind.

LAND SYSTEM
Isis River Flats

298125

Area (ha):
3611



COMPONENT	A	B	C	D
PROPORTION(%)	40	40	10	10
RAINFALL(mm)	Approximate Annual Rainfall: 500-625			
GEOLOGY	Quaternary, Clays, Sands, Gravels			
TOPOGRAPHY	Undulating Flats			
Position	Upper Terraces	Upper Gravelly Terraces	Lower Terraces	Floodplains
Typical Slope(°)	3	1	0	0
NATIVE VEGETATION	Woodland			
Floristic Association (See Appendix 1 for common names)	<i>Eucalyptus rubida</i>	<i>Eucalyptus amygdalina</i>		<i>Eucalyptus ovata</i>
	<i>Eucalyptus pauciflora</i>	<i>Eucalyptus viminalis</i>		
		<i>Acacia dealbata</i>		
		<i>Lomandra longifolia</i>		
		<i>Dichopogon strictus</i>		
		<i>Goodenia lanata</i>		
		<i>Stipa pubinodis</i>		
		<i>Danthonia setacea</i> <i>Llssanthe strigosa</i>		
SOIL				
Surface(A)Texture	Sandy Clay Loam	Sandy Clay Loam	Light Clay/Silty Clay	Heavy Clay
B Horizon(subsoil) Colour (moist) Texture and primary profile form	Shallow stony sandy clay - Dark yellowish brown(10 YR 3/6) sometimes with red (2.5 YR 4/8) mottle. Duplex.	Deep medium clay - yellowish brown (10 YR 5/8) with red (2.5 YR 4/8) mottle over strong brown (7.5 YR 5/8) with greyish brown (10 YR 5/2) mottle. Duplex.	Deep medium clay - Black (10 YR 2/1) to greyish brown (10 YR 5/2) over light yellowish brown (10 YR 6/4) with brownish yellow (10 YR 6/8) mottle. Gradational.	Deep heavy clay - Black (10 YR 2/1) to greyish brown (10 YR 5/2) with dark yellowish brown (10 YR 4/6) mottle. Uniform.
Permeability	Moderate	Moderate	Low	Low
Typical depth(m)	0.50	1.00	1.00	>1.40
LAND USE	Grazing, Cropping			
HAZARDS	Low/Moderate Sheet, Rill Erosion		Moderate Streambank Erosion	Flooding, Waterlogging

298125

ISIS RIVER FLATS

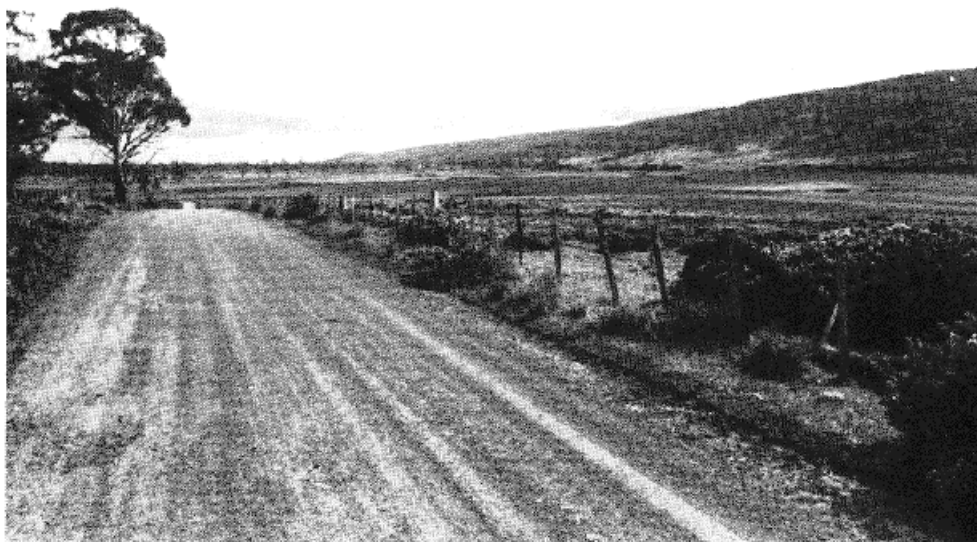
This land system includes the flat country along the Isis River north-west of the Ellinthorp Plains and south of Isis. It is bounded to the south by the Ellinthorp Plains (273122) Land System and to the north, east and west by the hilly dolerite country of the Isis Hills (272242) Land System.

Upper terraces have a shallow (0.50 m) stony, duplex soil consisting of a sandy clay loam surface over a dark yellowish brown sandy clay with a red mottle. Upper terraces also contain a deep (1.00 m) duplex soil with a sandy clay loam surface containing abundant lateritic gravels over a yellowish brown to strong brown medium clay with a red to greyish brown mottle. This supports a woodland/open forest dominated by *Eucalyptus amygdallna*, *Eucalyptus viminalis*, *Eucalyptus pauciflora*, and *Eucalyptus rubida* over an understorey of *Lomandra longifolia*, *Dlchopogon strlctus*, *Goodenla Janata*, *Stipa publnodls* and *Danthonia setacea*.

Lower terraces and flats support a deep (1.00 m) gradational soil with a light clay to silty clay surface over a black, greyish brown or light yellowish brown medium clay with a brownish yellow mottle. Floodplains contain a deep (>1.40 m) uniform, black to greyish brown heavy clay with a dark yellowish brown mottle. *Eucalyptus ovata* woodland dominates these areas.

Much of the region has been cleared for grazing and cropping. Sheet and rill erosion are a hazard on the terraces whilst streambank erosion, flooding and waterlogging are problems associated with the lower terraces and floodplains.

See photo on previous page.



Isis River Flats (298125) Land System with the Isis Hills (272242) Land System on the right.