

LAND SYSTEM  
Morningside Hills

295133

Area (ha):  
6637



COMPONENT	A	B	C	D	E																														
PROPORTION(%)	10	30	30	20	10																														
RAINFALL (mm)	Approximate Annual Rainfall: 500-625																																		
GEOLOGY	Localised areas of outcropping Jurassic Dolerite with extensive areas of Quaternary deposits of sands, clays and gravels																																		
TOPOGRAPHY	Undulating Low Hills and Flats																																		
Position	Rocky Dolerite Crests	Well Drained Flats	Sandy Slopes	Sandy Flats	Drainage Flats																														
Typical	7	0-2	5-10	0	0																														
NATIVE VEGETATION																																			
Structure	Woodland																																		
Floristic Association (See Appendix 1 for common names)	<table border="0" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:33%;"></td> <td style="width:33%;"></td> <td style="width:33%;"></td> <td style="width:33%;"></td> <td style="width:33%;"></td> <td style="width:33%;"></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Eucalyptus pauciflora</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Acacia dealbata</td> <td>Predominantly cleared</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Themeda australis</td> <td>cleared</td> </tr> <tr> <td></td> <td colspan="3">Predominantly cleared</td> <td>Lomandra longifolia</td> <td></td> </tr> </table>															Eucalyptus pauciflora						Acacia dealbata	Predominantly cleared					Themeda australis	cleared		Predominantly cleared			Lomandra longifolia	
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SOIL																																			
Surface(A)Texture	Sandy Clay Loam	Sand	Silty Clay Loam	Sand	Medium Clay																														
B Horizon(subsoil) Colour (moist) Texture and primary profile form	Shallow medium clay - Dark yellowish brown (10 YR 3/4 Duplex.	Deep sandy clay - brown (10 YR 4/3) With dark yellowish brown (10 YR 4/6) mottle. Duplex.	dark yellowish brown (10 YR 4/4) sand on bedrock. Complex.	Deep uniform sand - very dark brown (10 YR 2/2) to dark yellowish brown (10 YR 4/6). Uniform.	Deep medium clay - very dark brown (10 YR 2/2) to black (10 YR 2/1). Uniform.																														
Permeability	Moderate/High	Moderate	High	High	Low																														
Typical depth(m)	0.45	1.00	0.70	>1.40	>1.40																														
LAND USE	Grazing, Cropping																																		
HAZARDS	Moderate/High Sheet, Rill, Gully Erosion			Waterlogging, Flooding																															

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MORNINGSIDE HILLS

This land system includes low hills and associated flats to the north and west of Campbell Town with localised outcrops of dolerite and extensive areas of Quaternary sands, clays and gravels.

Low rocky dolerite crests contain a shallow (0.45 m) duplex soil with a sandy clay loam surface over a dark yellowish brown medium clay.

Well drained flats contain a deep (1.00 m) duplex soil consisting of a sand surface over a brown sandy clay with a dark yellowish brown mottle.

Sandy slopes have a complex soil with a very dark brown to dark greyish brown silty clay loam surface over a dark yellowish brown sand.

Sandy flats contain a deep (>1.40m) uniform, very dark brown to dark yellowish brown sand that supports a woodland dominated by *Eucalyptus pauciflora* over an understorey of *Acacia dealbata*, *Themeda australis* and *Lomandra longifolia*.

Drainage flats have a deep (>1.40 m) uniform, very dark brown to black medium clay.

The native vegetation has been extensively cleared for grazing and cropping which are the major land uses. Sheet, rill and gully erosion are major hazards on the sandy components whilst waterlogging and flooding are problems associated with the drainage flats.