

572141

DALGARTH HILL

The bulk of this land system lies in Region 4, with only one small area extending into Region 3 beside the Mersey River, just north of Kimberley. It comprises ridges of Jurassic dolerite trending N.W.-S.E.

The stony soils are shallow on the crests, but gradually increase in depth downslope. Colours change from yellowish brown on the crests and upper slopes to reddish brown on the steeper mid-

slopes and mottled profiles characterise the gentle footslopes.

The forest vegetation is dominated by stringybark on the two upper components and by black peppermint on the mid and footslopes. White gum is also an important member of the tree layer. Wattles and bulloak are prominent in the understorey, with heath, paperbark and tea-trees occurring less frequently.

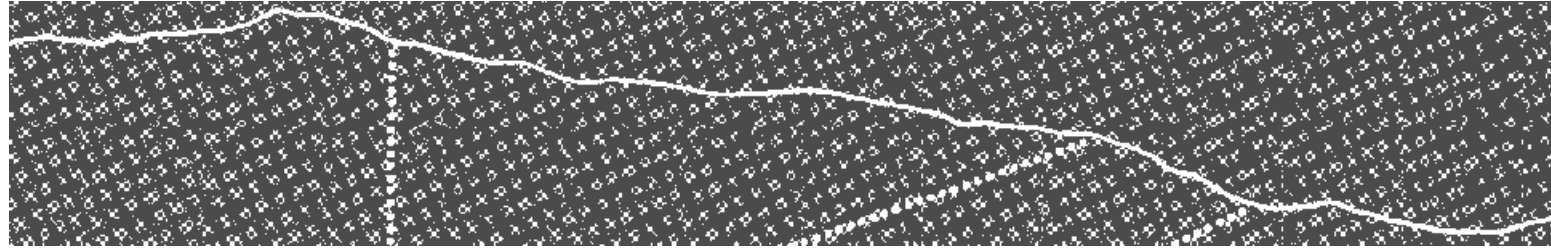
Forestry and nature conservation are the main uses of this land system within Region 3.

Sheet erosion is the principal hazard.

LAND SYSTEM

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Dalgarth Hill



COMPONENT	1	2	3	4
PROPORTION %	25	45	10	20
CLIMATE	Average Annual Rainfall 1 000-1 250 mm			
GEOLOGY	Jurassic dolerite			
TOPOGRAPHY				
Land form	Hills trending mainly NW-SE			
Position	Crests	Upper slopes	Midslopes	Lower slopes
Average Sideslope °	6	8	10	4
NATIVE VEGETATION Structure		Open forest		
Association	Stringybark, white gum, black peppermint, prickly mimosa, silver wattle, heath	Stringybark, black peppermint, white gum, silver wattle, bull oak, paperbark, <i>Acacia mucronata</i> , native gorse	Black peppermint, white gum, Stringybark, prickly mimosa, silver wattle, bull oak	Black peppermint, white gum, silver wattle, bull oak, blackwood, <i>Helichrysum dendroideum</i> , tea tree, prickly mimosa
SOIL	Shallow, stony yellowish brown (10 YR 5/4) gradational soil, rock outcrop predominant	Stony dark yellowish brown (10 YR 4/4) gradational soil	Stony reddish brown (5 YR 4/4) gradational soil	Stony mottled strong brown (7.5 YR 5/8), grey (10 YR 6/1) gradational soil
Surface Texture		Clay loam		Gravelly clay loam
Permeability		Moderate		
Average Depth m	0.3	0.8	1.0	1.4
PRESENT LAND USE	Forestry, nature conservation, grazing			
HAZARDS	High sheet erosion		Moderate sheet erosion	Low sheet and gully erosion