

735231

HEADWATER

East of St Valentines Peak on the upper reaches of the Emu River is an area of low hills developed on a sequence of Ordovician limestone. Another area comprises the footslopes and valley floor of the upper Mackintosh River and a small body occurs in the King River east of Macquarie Harbour.

A stony but deep, yellowish red soil has formed on the relatively steep upper slopes and the fine structured profiles are highly permeable. The stone persists on the gentler, lower slopes but

soils here are brown and the uniformly textured profiles are only moderately permeable, whereas in the flowlines is a dense, mottled, slowly permeable soil.

The vegetation is a closed rainforest dominated by myrtle and sassafras. Waratah is present in the shrub layer and cutting grass is prominent on poorly drained sites.

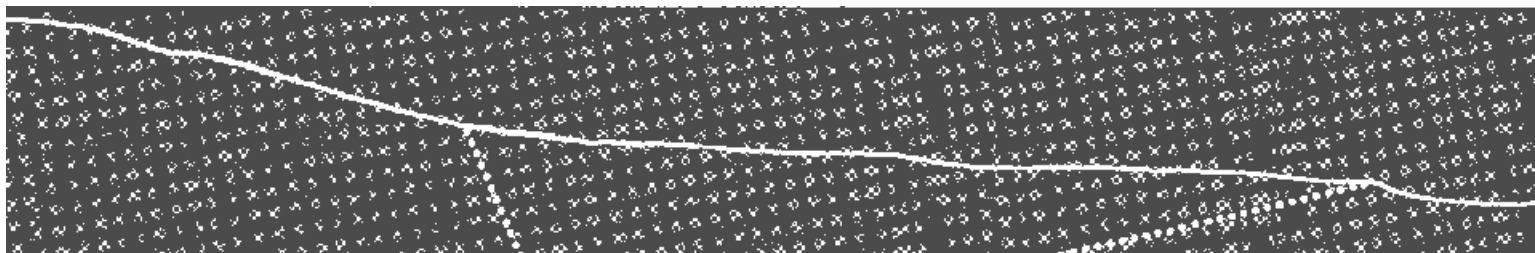
Forestry and nature conservation are the principle land uses.

Waterlogging along the flowlines is the only major soil conservation constraint to the development of this land.

LAND SYSTEM

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Headwater



COMPONENT	1	2	3
PROPORTION %	30	60	10
CLIMATE	Average Annual Rainfall 1 500-2 000 mm		
GEOLOGY	Ordovician limestone sequence		
	Colluvium		Alluvium
TOPOGRAPHY			
Land form	Low hills		
Position	Steeper upper slopes	Gentler lower slopes	Flowlines
Average Sideslope °	12	2	1
NATIVE VEGETATION			
Structure	Closed forest		
Association	Myrtle, sassafras, waratah, cutting grass		
SOIL	Stony, gravelly, yellowish red (5 YR 5/6) gradational soil, fine structure	Stony, gravelly, strong brown (7.5 YR 5/6) clay soil, uniform texture	Mottled yellowish brown (10 YR 5/6) light grey (10 YR 6/1) gradational soil
Surface Texture	Gravelly clay loam		Medium clay
Permeability	High	Moderate	Low
Average Depth m	>2.0	1.0	1.5
PRESENT LAND USE	Forestry, nature conservation		
HAZARDS	Low sheet erosion		High waterlogging, low streambank erosion