

# 893221

## NELSON VALLEY

Stretching for 20 km along the floor of the King River Valley near Gormanston is an undulating plain developed on Quaternary alluvium and glacial deposits

Soils are rather complex due to the variety of glacial parent material. Besides the predominant ones noted on the description sheet, there are areas of yellowish red soils and in places, particularly on the floodplain, profiles are stony. A

shallow surface layer of peaty material is a consistent feature of the soils.

A dense rainforest with some gum-topped stringybark occurs on the floodplain. Elsewhere is a sedgeland, where button grass occurs with *Calorophus lateriflorus*, *Xyris operculata* and *Sprengelia incarnata*.

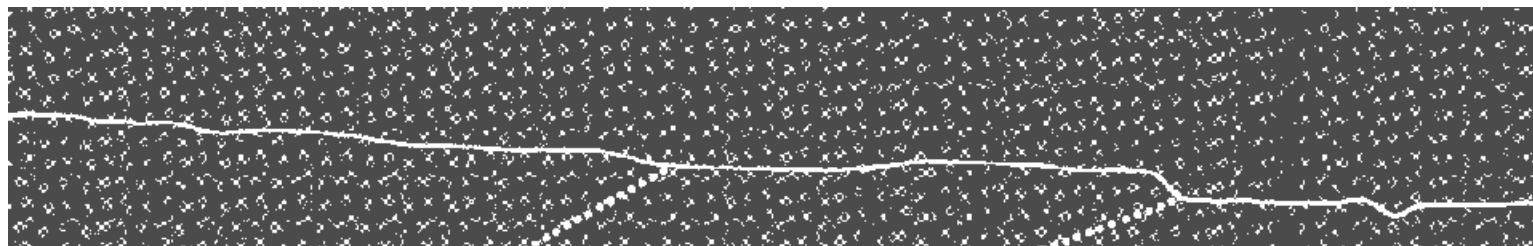
Nature conservation is the main land use.

A high nil and gully erosion hazard exists on the gentle footslopes, due to the credible nature of the soils and the large amount of run-off received from the steep sides of the valleys.

LAND SYSTEM

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Nelson Valley



COMPONENT	1	2	3
PROPORTION %	45	30	25
CLIMATE	Average Annual Rainfall 2 000-2 500 mm		
GEOLOGY	Quaternary alluvium, gravel, glacial deposits		
TOPOGRAPHY		Undulating plain	
Land form			
Position	Gentle footslopes	Upper terrace	Floodplain
Average Sideslope °	5		1
NATIVE VEGETATION	Closed sedgeland		Closed forest
Structure			
Association	Button grass, <i>Calorophus lateriflorus</i> , <i>Xyris operculata</i> , <i>Sprengelia incarnata</i> , <i>Leptocarpus tenax</i> , Smithton peppermint		Myrtle, sassafras, gum topped stringybark, silver wattle
SOIL	Very gravelly, very dark grey (10 YR 3/1) loam soil, uniform texture Scattered quart-zite rock outcrop	Gravelly greyish brown (10 YR 5/2) loam soil, uniform texture, siliceous gravel pan	Yellowish brown (10 YR 5/6) to strong brown (7 5 YR 5/6) clay soil, uniform texture
Surface Texture	Gravelly peat		Peat
Permeability		High	Moderate
Average Depth m	0.5	0.6	1.4+
PRESENT LAND USE	Nature conservation		
HAZARDS	High rill and gully erosion	Moderate siltation	