

793121

TULLAH

An undulating plain occurs on areas of alluvium and glacial deposits, associated with the Pieman River and its tributaries, in the Rosebery-Tullah-Bulgobac area.

The floodplain and upper terrace are characterised by their dark organic soils and button grass vegetation. On the upper terrace the soils are shallow and gravelly with a siliceous gravel pan. On the floodplain gravel is absent and the profiles are much deeper but conditions were too wet during the survey to assess their true depth.

A mixture of soils was found on the higher rises, due to the variety of glacial parent material

involved. Profiles are gravelly and sometimes stony. They range in colour from grey through yellow to strong brown, are generally fairly deep and have a sandy loam surface. In the tall forest growing on these sites, Smithton peppermint and stringybark are co-dominant and *Acacia mucronata*, lancewood and cutting grass are important members of the understorey.

On occasional hilly areas, deep, yellowish red, gradational soils support a stringybark forest with prickly mimosa and bracken prominent in the lower strata.

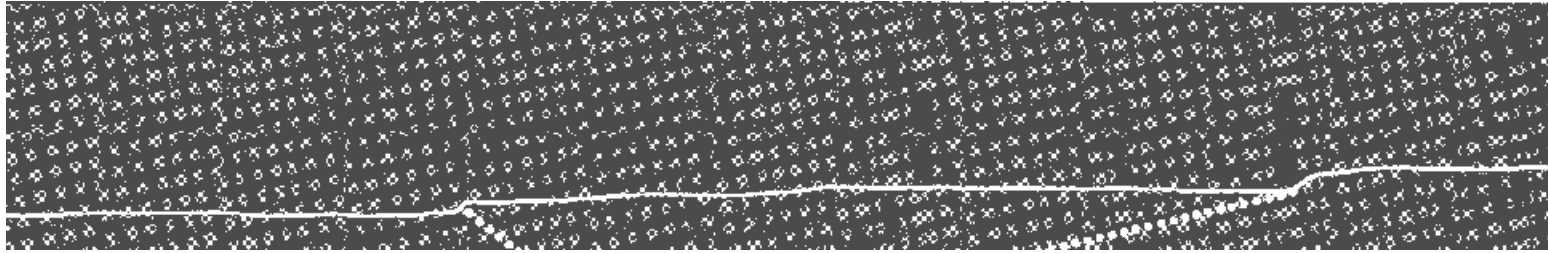
Mining operations occur in this land system, but it mainly serves as a zone of nature conservation.

Flooding and waterlogging are important land use constraints.

LAND SYSTEM

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COMPONENT	1	2	3
PROPORTION %	30	55	15
CLIMATE	Average Annual Rainfall 1 500-2 000 mm		
GEOLOGY	Quaternary glacial deposits, alluvium		
	Alluvium	Glacial deposits	
TOPOGRAPHY	Undulating plain		
Land form	Undulating plain		
Position	Floodplain	Upper terrace	Timbered rises
Average Sideslope °	0	3	
NATIVE VEGETATION			
Structure	Sedgeland		Tall open forest
Association	Button grass, <i>Xyris operculata</i> , <i>Sprengelia incarnata</i> , <i>Calorophus lateriflorus</i>		Smithton peppermint, stringybark, <i>Acacia mucronata</i> , lancewood, cutting grass
SOIL	Black peaty soils	Gravelly dark grey silty peat, siliceous gravel pan	Complex Gravelly, sometimes stony, grey through yellow (10 YR 7/6) to strong brown clay soils
Surface Texture	Peat		Sandy loam
Permeability	High		Moderate
Average Depth m	0 6+	0 3	1 3
PRESENT LAND USE	Mining, residential, nature conservation		
HAZARDS	Moderate flooding, waterlogging		