# 593122

## GEORGE RIVER

Along the George and Last Rivers in the east of the Region near Pyengana and St Helens are areas of undulating plains formed on Quaternary sands, clays and gravels.

The duplex and deep clay soils have been strongly influenced by the surrounding Devonian rocks, as evidenced by the brownish colours and the presence of granitic gravels.

No remnants of native vegetation were found on the lower terrace and drainage lines. The woodland vegetation on the upper components is dominated by cabbage gum, white gum and swamp gum.

Principal land uses are grazing, forestry, nature conservation and mining. Numerous old alluvial tin workings are scattered throughout the system.

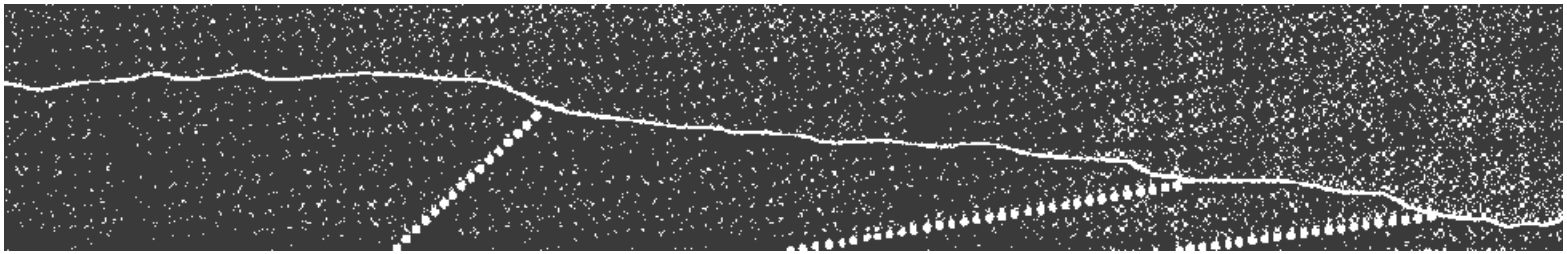
The major hazards are sheet, gully and rill erosion. Severe erosion of the old tin workings has occurred, with subsequent siltation of the many creeks and rivers which drain the area.

Erosion and subsequent regrowth in old tin mining area in the east of Region 4.

**LAND SYSTEM**

593122

**George River**



| COMPONENT | 1 | 2 | 3 | 4 |
|---|---|---|---|---|
| PROPORTION % | 35 | 40 | 15 | 10 |
| CLIMATE | Average Annual Rainfall 1 000-1 250 mm | | | |
| GEOLOGY | Quaternary sands, clays and gravels | | | |
| TOPOGRAPHY | | | | |
| Land form | Undulating plains | | | |
| Position | Upper terrace | Mid terrace | Lower terrace | Drainage lines |
| Average Sideslope ° | 3 | 2 | 1 | 2 |
| NATIVE VEGETATION | | | | |
| Structure | Woodland | | No remnants | |
| Association | Cabbage gum, white gum, *Casuarina monilifera,* sunshine wattle, honeysuckle, needle bush, bracken fern, *Lomandra Iongifolia* | White gum, swamp gum, blackwood, sunshine wattle | | |
| SOIL | Brownish yellow (10 YR 6/8) duplex soil | Mottled light brownish grey (2.5 Y 6/2) strong brown (7.5 YR 5/8) clay soil, uniform texture | Stony dark brown (10 YR 3/3) clay soil, uniform texture | Dark grey (5 YR 4/1) clay soil, uniform texture |
| Surface Texture | Gravelly loam | Gritty light clay | Light clay | |
| Permeability | Moderate | Low | | |
| Average Depth m | 1.0 | >2.0 | | |
| PRESENT LAND USE | Grazing, forestry, nature conservation, mining | | | |
| HAZARDS | Severe sheet, gully and rill erosion | | Moderate gully and rill erosion | |