

441131

MOUNT WILLIAM

An extensive area of low hills formed on Devonian granite and granodiorite in the north-east of Region 4 stretches from Mt Cameron to the East Coast. Other occurrences are in the Binalong Bay-St Helens area, and near Mt William, Gladstone, Eddystone Point, Scottsdale, Winnaleah, Mt Horror and the Brid River. The system also includes small areas of Tertiary deposits similar to those in the Gladstone Land System (484126). The granite and granodiorite of this system have strongly influenced the soils of adjoining land systems.

Gradational soils have developed on all four components. Those on the upper slopes and crests are gravelly, while those on component 4 are mottled.

Cabbage gum, stringybark, white gum and black peppermint dominate the tall open-forest on the upper slopes, crests, mid slopes and lower slopes. The open-forest on the gentler lower slopes and drainage lines is predominantly black peppermint and stringybark. The main understorey plants are prickly mimosa, manuka, sunshine wattle and heath.

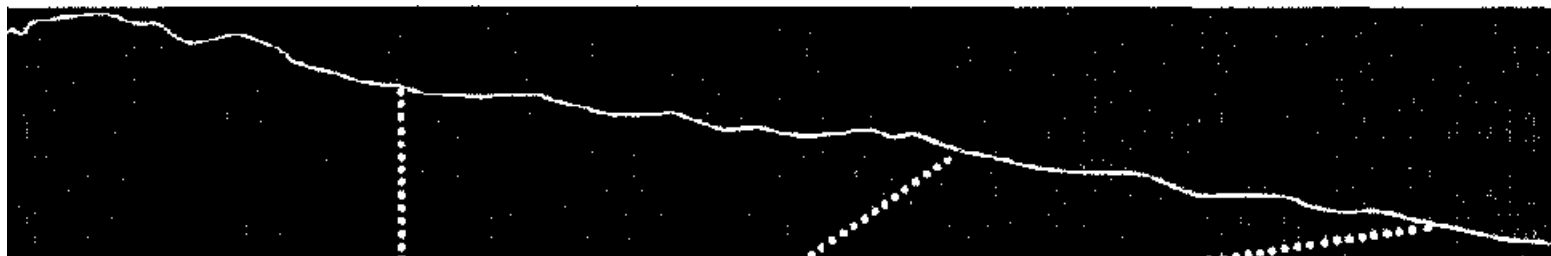
The main land uses are grazing and forestry, with large areas serving as zones of nature conservation.

Sheet and rill erosion are the main hazards.

LAND SYSTEM

441131

Mt William



COMPONENT	1	2	3	4
PROPORTION %	25	35	30	10
CLIMATE	Average Annual Rainfall 700-1000 mm			
GEOLOGY	Devonian granite and granodiorite			Tertiary deposits
TOPOGRAPHY				
Land form	Low hills			
Position	Upper slopes and crests	Mid slopes	Lower slopes	Gentle lower slopes & drainage lines
Average Sideslope °	10	5	5	2
NATIVE VEGETATION				
Structure	Tall open-forest			Open-forest
Association	Cabbage gum, black peppermint, white gum, bull-oak, sunshine wattle, prickly mimosa, bracken fern	Stringybark, cabbage gum, black peppermint, manuka, heath, canary broom, <i>Casuarina monilifera</i> , <i>Acacia suaveolens</i> , blackwood	White gum, Stringybark, black peppermint, silver wattle, prickly mimosa, manuka, <i>Bedfordia salicina</i> , <i>Helichrysum dendroideum</i>	Black peppermint, Stringybark, manuka, bull-oak, sunshine wattle, prickly mimosa, paperbark, bracken fern
SOIL	Gravelly, brownish yellow (10 YR 6/8) gradational soil	Strong brown (7.5 YR 5/6) gradational soil	Yellowish red (5 YR 5/8) gradational soil	Mottled grey (10 YR6/1) strong brown (7.5 YR 5/8) gradational soil
Surface Texture	Gravelly clay loam			Clay loam
Permeability	Moderate			
Average Depth m	1.2	1.1	1.3	[1.8
PRESENT LAND USE	Nature conservation, grazing, forestry			
HAZARDS	High sheet erosion		Moderate sheet and rill erosion	