

# 493123

## DALRYMPLE

Stretching eastwards from Beechford to the Great Forester River, and southwards from George Town to the Old Bangor Tram Road, is a series of undulating plains formed on Quaternary fluvial sands, clays and gravels. The boundary between it and Waterhouse Beach Land System (395161) represents a former coastline. A gradual boundary exists between it and the drier Lulworth Land System (393123).

Uniform sand and clay soils have formed on the highest and lowest components respectively. Mottled duplex and gradational soils have developed on the upper and mid terraces. The sandy duplex soil on the upper terrace has an organic B horizon.

Gravelly phases are scattered through the three upper components and consist of quartzitic gravel found up to 0.8 metre deep.

Eucalypts dominate the open-forest vegetation, with black peppermint and white gum the most prominent species. Understorey plants include silver wattle, *Acacia stricta*, *Melaleuca squarrosa* and paperbark. A similar pattern of vegetation is found on the gravelly soil phases.

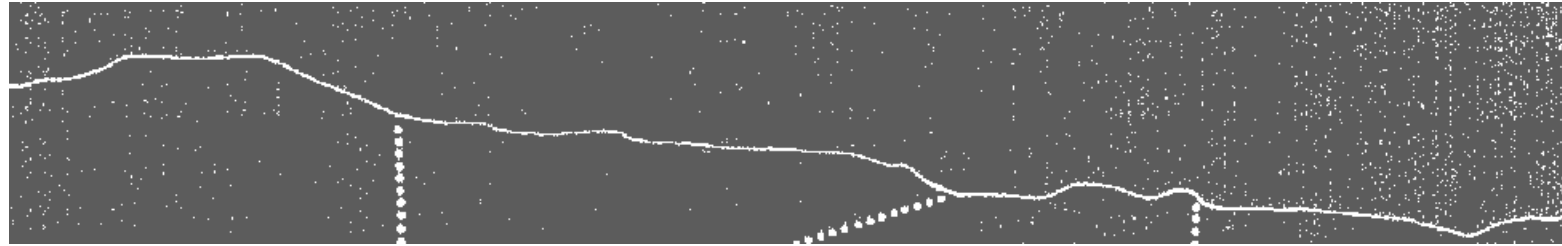
Land uses include grazing, forestry and cropping, with small areas undeveloped. Pasture establishment on these soils is sometimes difficult because of low soil pH and fertility.

Because of the relatively flat topography water erosion hazards are not great, although wind and sheet erosion could be expected.

**LAND SYSTEM**

493123

Dalrymple



COMPONENT	1	2	3	4
PROPORTION %	25	35	15	25
CLIMATE	Average Annual Rainfall 750-1 000 mm			
QEOLQY	Quaternary fluvialite sands, clays and gravels			
TOPOGRAPHY				
Land form	Undulating plains			
Position	Highest terrace	Upper terrace	Mid terrace	Lower terrace and drainage lines
Average Sideslope °	3	2	2	1
NATIVE VEGETATION				
Structure		Open-	Forest	
Association	Black peppermint, white gum, silver wattle	Black peppermint, stringybark, silver wattle, <i>Acacia stricta</i>	Black peppermint, swamp gum, white gum, <i>Melaleuca squanosa</i>	Black peppermint, swamp gum, white gum, silver wattle, paperbark
SOIL	Grey (5 YR 5/1) sand soil, uniform texture	Sandy, mottled strong brown (7.5 YR 5/8) grey (10 YR 6/1) duplex soil, with organic-iron B horizon	Mottled strong brown (7.5 YR 5/6) greyish brown (10 YR 5/2) gradational soil	Mottled greyish brown (10 YR 5/2) strong brown (7.5 YR 5/8) clay soil, uniform texture, coarse structure
Surface Texture	Sandy	loam	Clay loam	Light clay
Permeability	High	Moderate		Low
Average Depth m	>2.0		1.2	>2.0
PRESENT LAND USE	Grazing, forestry, cropping, nature conservation			
HAZARDS	Moderate wind erosion	Low wind erosion	Low sheet erosion	