

# 484124

## WESTBURY

Formed on Tertiary clays, gravels and sands in the south-west of the Region is an area of undulating plains. The main occurrence of this system is in the Westbury-Hagley-Whitemore area, with smaller occurrences near Rosevale, Selbourne, Quamby Bend and Weetah. Some areas covered by the system have been previously described by Nicolls (1959).

The soils are deep, and red mottlings are evident at depth in all profiles. Mottled duplex soils have developed on the upper slopes, and the upper and lower dissected plains. Ironstone gravel is evident throughout the soil profiles on the upper slopes and upper dissected plain. Ferruginous gravel occurs

throughout the mottled uniform clay soil in the flat valley bottoms. Some areas of dark red (2-5 YR 3/6) gradational soils similar to those on the basalt of the adjoining Deloraine Land System (482133) occur on the dissected plains. Isolated areas of locally derived windblown sands are found throughout the system.

White gum is the major vegetation species. Silver wattle, blackwood and *Banksia marginata* are the main understorey plants. No remnants of native vegetation were found on the lowest component.

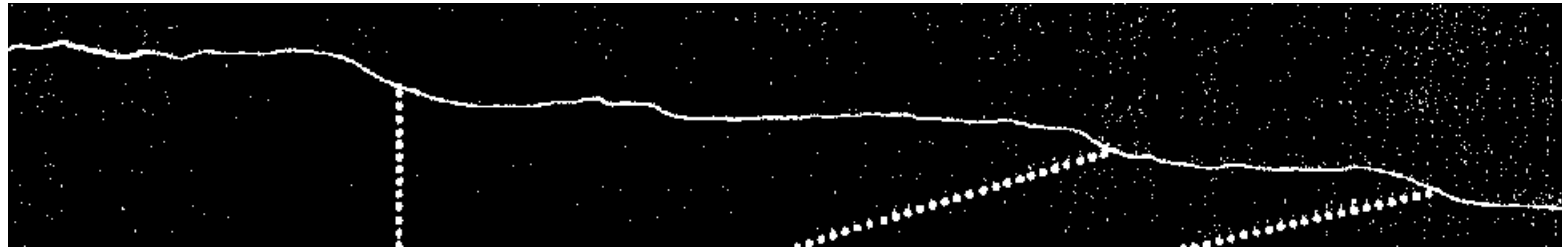
Grazing and cropping are the major land uses. The main crops are vegetables, poppies, cereals and forage crops. Large areas have been sown to improved pasture, although some areas remain unimproved.

The major hazards are sheet, gully and wind erosion and water-logging.

**LAND SYSTEM**

484124

Westbury



COMPONENT	1	2	3	4
PROPORTION %	25	45	20	10
CLIMATE	Average Annual Rainfall 750-1 000 mm			
GEOLOGY	Tertiary clays, gravels and sands			
TOPOGRAPHY				
Land form	Undulating plains			
Position	Upper slopes	Upper dissected plain	Lower dissected plain	Flat valley bottoms
Average Sideslope °	3	3	2	1
NATIVE VEGETATION				
Structure	Open -forest		Open-woodland	No remnants
Association	White gum, silver wattle, black-wood, bracken fern	White gum, silver wattle, honeysuckle	White gum, black peppermint, silver wattle, bracken fern	
SOIL	Gravelly, mottled yellowish brown(10R 6/8) light brownish grey (10 YR 6/2) duplex soil	Mottled yellowish red (5 YR 5/6) grey (10 YR 5/1) duplex soil	Mottled strong brown (7.5 YR 5/6) grey (10 YR 6/1) duplex soil	Mottled grey (10 YR 5 /1) strong brown (7.5 YR 5/8) clay soil, uniform texture
Surface Texture	Gravelly sandy loam	Gravelly clay loam	Clay loam	Gravelly light clay
Permeability	Moderate			Low
Average Depth m	1.9	1.8	1.9	>2.0
PRESENT LAND USE	Grazing, cropping, nature conservation			
HAZARDS	Moderate sheet and wind erosion		Low sheet erosion, gullying and waterlogging	