

# 293124

## TOMAHAWK

A narrow sandy undulating plain formed on Quaternary sands and clays lies along the north-east coast. It has an average elevation of less than 45 metres and covers most of the Waterhouse Estate, the soils and vegetation of which have been previously described by Hubble (1946).

Restricted drainage is evidenced by strong mottling of all soils and a layer of coffee-rock at a depth of about one and a half metres on the terraces. Sand

soils are found on the terraces and duplex soils in the drainage lines.

An open-scrub covers most of the area. Honey-suckle and yacca dominate this open-scrub vegetation on the terraces but in certain situations form a heath.

Areas have been drained in the past and are used for grazing, although large areas remain unimproved. Numerous man-made drains dissect the landscape.

The sandy soils are susceptible to wind and water erosion.

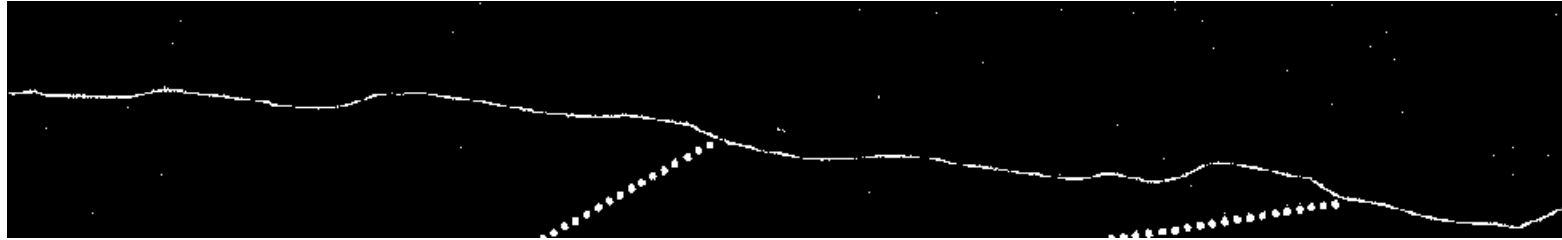


Typical Topography.

**LAND SYSTEM**

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Tomahawk



| COMPONENT           | 1  | 2   | 3  |
|---------------------|--|---|--|
| PROPORTION %        | 45   | 40  | 15.  |
| CLIMATE             | Average Annual Rainfall 500-625 mm   |   |  |
| GEOLOGY             | Quaternary sands and clays   |   |  |
| TOPOGRAPHY          |  |   |  |
| Land form           |  | Undulating plains   |  |
| Position            | Upper terrace  | Lower terrace   | Drainage lines   |
| Average Sideslope ° | 1  | 2   | 1  |
| NATIVE VEGETATION   |  |   |  |
| Structure           | Open-scrub   |   |  |
| Association         | Yacca, honeysuckle, coast wattle, heath, bracken fern, <i>Leptocarpus tenax</i>                    |   | Yacca, honeysuckle, bracken fern                             |
| SOIL                | Mottled yellow (2.5 Y 7/6) brown (10 YR 4/3) sand soil, uniform texture, with coffee-rock at depth | Mottled pale yellow (2.5 Y 7/4) light brownish grey (10 YR 6/2) sand soil, uniform texture, with coffee-rock at depth | Mottled pale yellow (2.5 Y 7/4) grey (10 YR 6/1) duplex soil |
| Surface Texture     | Sand   |   | Sandy loam   |
| Permeability        | Moderate   |   | Low  |
| Average Depth m     | >2.0   |   |  |
| PRESENT LAND USE    | Nature conservation, grazing   |   |  |
| HAZARDS             | High wind and gully erosion  |   | Moderate wind and gully erosion                              |