

Plains

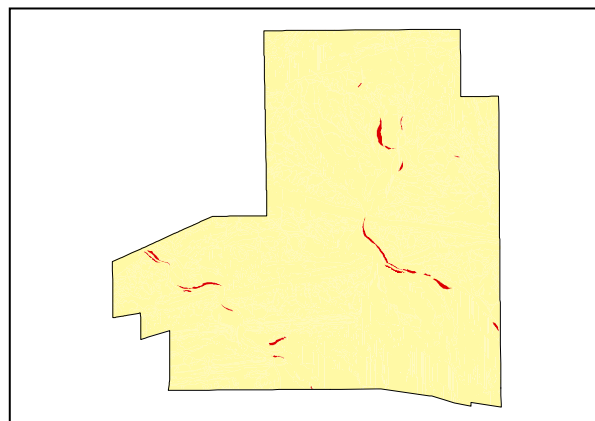
**LAND UNIT 4.07**  
**Lower Terrace Flat**

**DESCRIPTION:** Lower floodout terrace flat with River Red Gums over Buffel Grass.

**SITE:** 126



**Distribution of land unit.**



Area = 1.77 km<sup>2</sup>, 0.54% of mapped area.

**LAND CAPABILITY:**

| ATTRIBUTES             |                  |
|------------------------|------------------|
| SLOPE (%)              | 1                |
| RELIEF (m)             | 1                |
| SOIL DEPTH (m)         | >2.00            |
| SURFACE CONDITION      | Loose            |
| DEPTH TO SUBSTRATE (m) | >2.00            |
| REACTION TREND (pH)    | 7.5              |
| OUTCROP (%)            | -                |
| RUNOFF                 | Slow             |
| PERMEABILITY           | Highly permeable |
| DRAINAGE               | Well drained     |
| SALINITY (µs/cm)       | 20.6 to 46.0     |

| DEVELOPMENT RISKS |          |
|-------------------|----------|
| EROSION           | Moderate |
| ROCK FALL         | None     |
| SHEET FLOODING    | Severe   |
| INUNDATION        | Severe   |
| SALINITY          | None     |
| ALKALINITY        | None     |
| ACIDITY           | None     |

| CAPABILITY CLASS |                     |                 |              |                      |             |
|------------------|---------------------|-----------------|--------------|----------------------|-------------|
| Formed Roads     | Shallow excavations | Septic Disposal | Horticulture | Building Foundations | Landscaping |
| Very Poor        | Very Good           | Very Good       | Good         | Very Poor            | Poor        |

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**TECHNICAL DETAILS****LAND UNIT 4.07****DESCRIPTION:** Lower floodout terrace flat.**GEOLOGY:** Quaternary, most likely Holocene sands derived from regional Proterozoic and Palaeozoic rocks.**LANDFORM:** Small flats aggraded or eroded by channelled or over-bank stream flow, standing above a scarp and no longer frequently inundated (McDonald *et al.* 1990). This land unit is part of a former flood plain and has minor internal drainage channels that are frequently inundated with annual rainfall.**SOIL:** Example from **Site 126**  
MGA. Coordinates: 7373375mN, 372634mE**CLASSIFICATION:** Siliceous Sand. Tenosol - TE, DS, AO, AR, A, E, K, K, X**SURFACE:** Loose, incoherent mass of individual particles with occasional loose aggregates that separate when touched. The surface is easily disturbed by pressure of forefinger. Rare (<1%) subrounded 20-60mm coarse gravelly quartz fragments are evident.

| DEPTH (m)   | HORIZON | TEXTURE             | pH  | SALINITY (µs/cm) | OTHER DETAILS   |
|-------------|---------|---------------------|-----|------------------|---|
| 0.00 - 0.02 | A1      | Clayey sand (CS)(k) | 7.5 | 46.0             | Dark reddish brown (2.5YR3/4). Apedal, single grain, slightly coherent mass of individual sand particles. Non effervescent.   |
| 0.02 - 0.50 | B21     | Sand (S)(k)         | 7.5 | 22.1             | Yellowish red (5YR4/6). 10% 2-6mm fine gravelly subangular quartz fragments. Apedal, loose incoherent mass of individual particles. Non effervescent.   |
| 0.50 - 1.00 | B22     | Sand (S)(k)         | 7.5 | 20.6             | Yellowish red (5YR4/6). 10% 2-6mm fine gravelly subangular quartz fragments and 2% 6-20mm medium gravelly subangular quartz fragments. Apedal, loose incoherent mass of individual particles. Non effervescent. |
| 1.00 - 2.00 | B22     | Sand (S)(k)         | 7.5 | 21.2             | Yellowish red (5YR4/6). 10% 2-6mm fine gravelly subangular quartz fragments and 2% 6-20mm medium gravelly subangular quartz fragments. Apedal, loose incoherent mass of individual particles. Non effervescent. |

**VEGETATION:** **Site 126** (corresponds to soil survey site).

|   |   |
|---|---|
| <b>UPPER STRATUM</b> - Isolated trees   |   |
| Dominant species  | River Red Gum.  |
| Other species   |   |
| <b>MID STRATUM</b> - Absent   |   |
| Dominant species  |   |
| Other species   |   |
| <b>LOWER STRATUM</b> - Grassland (Buffel Grass obscuring many native grasses) |   |
| Dominant species  | Buffel Grass, Couch Grass.  |
| Other species   | Wild Hops, Bunched Kerosene Grass, Goathead Burr, Cotton Panic Grass. |

(See appendix 3 for botanical names)