

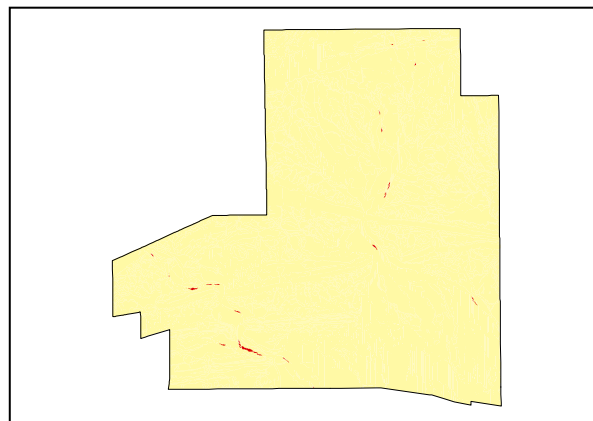
Plains

LAND UNIT 4.03

Levee / Stream Bar

DESCRIPTION: Sandy Stream bar with associated sandy levee with River Red Gums over Buffel Grass.
SITE: 127

Distribution of land unit.



Area = 0.32 km², 0.10% of mapped area.

LAND CAPABILITY:

| ATTRIBUTES | |
|------------------------|------------------|
| SLOPE (%) | <1% |
| RELIEF (m) | 3 |
| SOIL DEPTH (m) | 2.00 |
| SURFACE CONDITION | Loose |
| DEPTH TO SUBSTRATE (m) | >2.00 |
| REACTION TREND (pH) | 7.5 |
| OUTCROP (%) | - |
| RUNOFF | Very slow |
| PERMEABILITY | Highly permeable |
| DRAINAGE | Rapidly drained |
| SALINITY (µs/cm) | 34.5 to 46.3 |

| DEVELOPMENT RISKS | |
|-------------------|--------|
| EROSION | Severe |
| 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 | Good | Very Poor | Very Poor | Very Poor | Very Poor |

Plains

TECHNICAL DETAILS**LAND UNIT 4.03****DESCRIPTION:** Sandy stream bar and associated levee bar with River Red Gums over Buffel Grass.**GEOLOGY:** Holocene sands forming levee bars within sandy bed rivers.**LANDFORM:** This land unit is generally an elongated gently to moderately inclined low ridge built up by channelled stream flow and is part of a stream bed. There are occasions when the stream bar has formed on stream banks where narrow, shallow streams separate the stream bar from the primary stream bank. Drainage is rapid with high permeability and slow runoff.**SOIL:** Example from **Site 127**
MGA. Coordinates: 7373459mN, 372415mE**CLASSIFICATION:** Siliceous Sands. Tenosol - TE, DS, AO, AR, C, E, K, K, X**SURFACE:** There is an absence of coarse surface material with vegetation fixing most areas. There is evidence of minor surface organic material that is not represented in colour chart testing.

| DEPTH (m) | HORIZON | TEXTURE | pH | SALINITY (µs/cm) | OTHER DETAILS |
|-------------|---------|------------------|-----|------------------|---|
| 0.00 - 0.30 | A1 | Clayey sand (CS) | 7.5 | 46.3 | Dark reddish brown (2.5YR3/4). Loose, Apedal structure, with well sorted quartz sand grain sizes and slight coherence due to minor decomposed organic material. |
| 0.30 - 1.00 | B2 | Sand (S)(K) | 7.5 | 34.5 | Yellowish red (5YR4/6). Loose, Apedal structures, with well-sorted coarse quartz sand grain sizes and no coherence. |
| 1.00 - 1.50 | B2 | Sand (S)(K) | 7.5 | 36.2 | Yellowish red (5YR4/6). Loose, Apedal structures, with well-sorted coarse quartz sand grain sizes and no coherence. |
| 1.50 - 2.00 | B2 | Sand (S)(K) | 7.5 | 41.4 | Yellowish red (5YR4/6). Loose, Apedal structures, with well-sorted coarse quartz sand grain sizes and no coherence. |

VEGETATION: **Site 127** (Albrecht, D. & Pitts, B. 1999).

| UPPER STRATUM - Isolated clump of trees | |
|--|--|
| Dominant species | River Red Gum |
| Other species | |
| MID STRATUM - Absent | |
| Dominant species | |
| Other species | |
| LOWER STRATUM - Isolated clump of tussock grasses | |
| Dominant species | Buffel Grass |
| Other species | Mexican Poppy, Cane Grass Three-awn, Tar Vine & Yipa, Colocynth, Boggabi, Cotton Panic Grass, Woolly Glycine, Natal Red Top, Fruit-salad Bush, Goathead Burr, Sticky Blue-rod, Grey Swainsona. |

(See appendix 3 for botanical names)