**Project Name:** **WAGGA WAGGA SOIL LANDSCAPES**
**Project Code:** **1000448** **Site ID:** **WW91** **Observation ID:** **1**
**Agency Name:** **CSIRO Division of Soils (ACT)**

## Site Information

**Desc. By:** Chen, XY
**Date Desc.:** 15/07/93
**Map Ref.:** Sheet No. : 8327 1:25000
**Northing/Long.:** 6096650 AMG zone: 55
**Easting/Lat.:** 524500 Datum: AGD66
**Locality:**
**Elevation:** 248 metres
**Rainfall:** No Data
**Runoff:** Slow
**Drainage:** Imperfectly drained

## Geology

**ExposureType:** No Data
**Geol. Ref.:** Sgr
**Conf. Sub. is Parent. Mat.:** No Data
**Substrate Material:** Clay

## Land Form

**Rel/Slope Class:** No Data
**Morph. Type:** Mid-slope
**Elem. Type:** Hillslope
**Slope:** 4 %
**Pattern Type:** Rises
**Relief:** No Data
**Slope Category:** No Data
**Aspect:** 315 degrees

## Surface Soil Condition (dry): Firm

## Erosion:

## Soil Classification

**Australian Soil Classification:**
N/A
**ASC Confidence:**
Confidence level not specified
**Mapping Unit:** N/A
**Principal Profile Form:** Dr2.22
**Great Soil Group:** Red-brown earth

## Site Disturbance: Complete clearing. Pasture, native or improved, but never cultivated

## Vegetation:

## Surface Coarse Fragments:

## Profile Morphology

| | | |
|---|---|---|
| A1 | 0 - 0.15 m | Brown (7.5YR4/3-Moist); ; Medium sandy clay loam; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Common (1-5 per 100mm2) Fine (1-2mm) macropores, Moist; Slightly plastic; Moderately sticky; Field pH 5.5 (Raupach); Many, fine (1-2mm) roots; Gradual, Smooth change to - |
| A2 | 0.15 - 0.3 m | Reddish brown (5YR4/4-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Few (<1 per 100mm2) Fine (1-2mm) macropores, Moist; Slightly plastic; Very sticky; 0-2%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; Field pH 6 (Raupach); Common, fine (1-2mm) roots; Gradual, Smooth change to - |
| B2 | 0.3 - 0.6 m | Yellowish red (5YR4/6-Moist); ; Medium clay; Moderate grade of structure, 2-5 mm, Polyhedral; Rough-ped fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Very plastic; Very sticky; 0-2%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules, strong, segregations;Field pH 6.5 (Raupach); Few, fine (1-2mm) roots; Gradual, Smooth change to - |
| B3 | 0.6 - 0.8 m | Yellowish red (5YR5/6-Moist); Mottles, 2-10% , Faint; Mottles, 0-2% , Faint; Medium heavy clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Moist; Very plastic; Very sticky; 0-2%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules, strong, segregations;Field pH 7 (Raupach); |

## Morphological Notes

## Observation Notes

Close to a residual profile. Top 12cm road-building earth.

## Site Notes

50M S ENTRANCE

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## Laboratory Test Results:

| Depth | pH | 1:5 EC | Exchangeable Cations | | | | Exchangeable | CEC | ECEC | ESP |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Ca | Mg | K | Na | Acidity | | | |
| m | | dS/m | Cmol (+)/kg | | | | | | | % |

| Depth | CaCO3 | Organic | Avail. | Total | Total | Total | Bulk | Particle Size Analysis | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | C | P | P | N | K | Density | GV | CS | FS | Silt | Clay |
| m | % | % | mg/kg | % | % | % | Mg/m3 | | | % | | |

| Depth | COLE | Gravimetric/Volumetric Water Contents | | | | | | K sat | K unsat |
|---|---|---|---|---|---|---|---|---|---|
| | | Sat. | 0.05 Bar | 0.1 Bar | 0.5 Bar | 1 Bar | 5 Bar | 15 Bar | | |
| m | | g/g - m3/m3 | | | | | | | mm/h | mm/h |

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**Laboratory Analyses Completed for this profile**