**Project Name:** **WAGGA WAGGA SOIL LANDSCAPES**
**Project Code:** **1000448** **Site ID:** **WW173** **Observation ID:** **1**
**Agency Name:** **CSIRO Division of Soils (ACT)**

## Site Information

| | | | |
|---|---|---|---|
| **Desc. By:** | Chen, XY | **Locality:** | |
| **Date Desc.:** | 15/07/93 | **Elevation:** | 201 metres |
| **Map Ref.:** | Sheet No. : 8327 1:25000 | **Rainfall:** | No Data |
| **Northing/Long.:** | 6108750 AMG zone: 55 | **Runoff:** | Slow |
| **Easting/Lat.:** | 539275 Datum: AGD66 | **Drainage:** | Moderately well drained |

## Geology

| | | | |
|---|---|---|---|
| **ExposureType:** | No Data | **Conf. Sub. is Parent. Mat.:** | Probable |
| **Geol. Ref.:** | Czg | **Substrate Material:** | Clay |

## Land Form

| | | | |
|---|---|---|---|
| **Rel/Slope Class:** | No Data | **Pattern Type:** | Rises |
| **Morph. Type:** | Simple-slope | **Relief:** | No Data |
| **Elem. Type:** | Footslope | **Slope Category:** | No Data |
| **Slope:** | 2 % | **Aspect:** | 90 degrees |

## Surface Soil Condition (dry): Hardsetting

## Erosion:

## Soil Classification

**Australian Soil Classification:**
Haplic Red Chromosol Thick Gravelly Loamy
**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 - 0.1 m | Brown (7.5YR4/4-Moist); ; Fine sandy clay loam; 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, Dry; Weak consistence; Slightly plastic; Moderately sticky; Field pH 5 (Raupach); Many, fine (1-2mm) roots; Gradual, Smooth change to - |
| A2 | 0.1 - 0.25 m | Brown (7.5YR5/4-Moist); Reddish yellow (7.5YR6/6-Dry); ; 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, Dry; Weak consistence; Moderately plastic; Moderately sticky; Field pH 5.5 (Raupach); Common, fine (1-2mm) roots; Gradual, Smooth change to - |
| B2 | 0.25 - 0.65 m | Yellowish red (5YR4/8-Moist); ; Light medium clay; Moderate grade of structure, 50-100 mm, Subangular blocky; 100-200 mm, Prismatic; Smooth-ped fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Very firm consistence; Very plastic; Very sticky; Field pH 6.5 (Raupach); Common, fine (1-2mm) roots; Gradual change to - |
| B3 | 0.65 - 0.85 m | Yellowish red (5YR5/6-Moist); Mottles, 20-50% , Faint; Medium clay; Strong grade of structure, 50-100 mm, Subangular blocky; 100-200 mm, Lenticular; Smooth-ped fabric; Fine, (0 - 5) mm crack; Medium, (5 - 10) mm crack; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Strong consistence; Very plastic; Very sticky; Few cutans, <10% of ped faces or walls coated, faint; Very few (0 - 2 %), Ferromanganiferous, Fine (0 - 2 mm), Nodules, strong, segregations;Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules, strong, segregations;Field pH 6.5 (Raupach); Common, fine (1-2mm) roots; |

## Morphological Notes

## Observation Notes

## Site Notes

BETWEEN TWO TURNS, S SIDE OF ROAD

**Project Name:** WAGGA WAGGA SOIL LANDSCAPES
**Project Code:** 1000448 **Site ID:** WW173 **Observation ID:** 1
**Agency Name:** CSIRO Division of Soils (ACT)

## 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 |

**Project Name:** WAGGA WAGGA SOIL LANDSCAPES
**Project Code:** 1000448 **Site ID:** WW173 **Observation ID:** 1
**Agency Name:** CSIRO Division of Soils (ACT)

**Laboratory Analyses Completed for this profile**