

Project Name: WAGGA WAGGA SOIL LANDSCAPES
Project Code: 1000448 **Site ID:** WW294 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

| | | | |
|------------------------|--------------------------|-------------------|-------------------------|
| Desc. By: | Chen, XY | Locality: | |
| Date Desc.: | 15/07/93 | Elevation: | 185 metres |
| Map Ref.: | Sheet No. : 8327 1:25000 | Rainfall: | No Data |
| Northing/Long.: | 6097975 AMG zone: 55 | Runoff: | Very slow |
| Easting/Lat.: | 501550 Datum: AGD66 | Drainage: | Moderately well drained |

Geology

| | | | |
|----------------------|----------|------------------------------------|---------|
| ExposureType: | Soil pit | Conf. Sub. is Parent. Mat.: | No Data |
| Geol. Ref.: | Cza | Substrate Material: | Sand |

Land Form

| | | | |
|-------------------------|---------|------------------------|-------------------------|
| Rel/Slope Class: | No Data | Pattern Type: | Stagnant alluvial plain |
| Morph. Type: | Flat | Relief: | No Data |
| Elem. Type: | Plain | Slope Category: | No Data |
| Slope: | 0 % | Aspect: | No Data |

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

| | | | |
|--|--|--------------------------------|-----------|
| Australian Soil Classification: | | Mapping Unit: | N/A |
| Haplic Red Kandosol Thick Gravelly Loamy | | Principal Profile Form: | Gn2.11 |
| ASC Confidence: | | Great Soil Group: | Red earth |
| Confidence level not specified | | | |

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

Vegetation:

Surface Coarse Fragments:

Profile Morphology

| | | |
|----|--------------|--|
| A | 0 - 0.15 m | Dark reddish brown (5YR3/4-Moist); ; Clay loam; Massive grade of structure; Earthy fabric; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Firm consistence; Moderately plastic; Moderately sticky; Field pH 8.5 (Raupach); Many, fine (1-2mm) roots; Gradual change to - |
| B2 | 0.15 - 0.4 m | Yellowish red (5YR4/8-Moist); ; Light clay; Weak grade of structure, 10-20 mm, Polyhedral; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Few (<1 per 100mm2) Fine (1-2mm) macropores, Dry; Very firm consistence; Moderately plastic; Very sticky; 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 (Raupach); Common, fine (1-2mm) roots; Diffuse change to - |
| B3 | 0.4 - 0.6 m | Yellowish red (5YR4/8-Moist); Mottles, 10-20% , Faint; Light clay; Moderate grade of structure, 5-10 mm, Polyhedral; Rough-ped fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Very firm consistence; Moderately plastic; Very sticky; Few (2 - 10 %), Ferromanganiferous, Fine (0 - 2 mm), Nodules, strong, segregations;Few (2 - 10 %), Ferromanganiferous, Medium (2 - 6 mm), Nodules, strong, segregations;Field pH 6 (Raupach); Few, fine (1-2mm) roots; |

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

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

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