

Project Name: WAGGA WAGGA SOIL LANDSCAPES
Project Code: 1000448 **Site ID:** WW170 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

| | | | |
|------------------------|--------------------------|-------------------|-------------------------|
| Desc. By: | Chen, XY | Locality: | |
| Date Desc.: | 15/07/93 | Elevation: | 202 metres |
| Map Ref.: | Sheet No. : 8327 1:25000 | Rainfall: | No Data |
| Northing/Long.: | 6112450 AMG zone: 55 | Runoff: | Slow |
| Easting/Lat.: | 541950 Datum: AGD66 | Drainage: | Moderately well drained |

Geology

| | | | |
|----------------------|---------|------------------------------------|---------|
| ExposureType: | No Data | Conf. Sub. is Parent. Mat.: | No Data |
| Geol. Ref.: | Sgw | Substrate Material: | Granite |

Land Form

| | | | |
|-------------------------|-----------|------------------------|-------------|
| Rel/Slope Class: | No Data | Pattern Type: | Low hills |
| Morph. Type: | Mid-slope | Relief: | No Data |
| Elem. Type: | Hillslope | Slope Category: | No Data |
| Slope: | 8 % | Aspect: | 270 degrees |

Surface Soil Condition (dry): Hardsetting

Erosion: Stable, Minor (sheet)

Soil Classification

| | | | |
|---|--|--------------------------------|--------|
| Australian Soil Classification: | | Mapping Unit: | N/A |
| Haplic Red Chromosol Thick Gravelly Sandy | | Principal Profile Form: | Dr2.62 |
| ASC Confidence: | | Great Soil Group: | N/A |
| Confidence level not specified | | | |

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

Vegetation:

Surface Coarse Fragments:

Profile Morphology

| | | |
|----|---------------|--|
| A1 | 0 - 0.1 m | Dark brown (7.5YR3/3-Moist); ; Coarse sandy 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; Non-plastic; Moderately sticky; 0-2%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; Field pH 6.5 (Raupach); Common, fine (1-2mm) roots; Clear, Smooth change to - |
| A2 | 0.1 - 0.22 m | Yellowish red (5YR4/6-Moist); ; Coarse sandy 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; Firm consistence; Non-plastic; Slightly sticky; 20-50%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; Field pH 7.5 (Raupach); Common, fine (1-2mm) roots; Clear, Smooth change to - |
| B2 | 0.22 - 0.45 m | Red (2.5YR4/6-Moist); ; Coarse sandy light medium clay; Weak grade of structure, 20-50 mm, Subangular blocky; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Strong consistence; Moderately plastic; Very sticky; 2-10%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; Field pH 7.5 (Raupach); Few, fine (1-2mm) roots; Gradual change to - |
| B3 | 0.45 - 0.8 m | Yellowish red (5YR4/8-Moist); Mottles, 10-20% , Faint; Clay loam, sandy; Moderate grade of structure, 50-100 mm, Subangular blocky; 100-200 mm, Lenticular; Rough-ped fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Few (<1 per 100mm2) Fine (1-2mm) macropores, Dry; Strong consistence; Slightly plastic; Very sticky; 20-50%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; Field pH 7.5 (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