

Project Name: WAGGA WAGGA SOIL LANDSCAPES
Project Code: 1000448 **Site ID:** WW48 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

| | | | |
|------------------------|--------------------------|-------------------|---------------------|
| Desc. By: | Chen, XY | Locality: | |
| Date Desc.: | 15/07/93 | Elevation: | 328 metres |
| Map Ref.: | Sheet No. : 8327 1:25000 | Rainfall: | No Data |
| Northing/Long.: | 6090150 AMG zone: 55 | Runoff: | Slow |
| Easting/Lat.: | 531800 Datum: AGD66 | Drainage: | Imperfectly drained |

Geology

| | | | |
|----------------------|---------|------------------------------------|----------|
| ExposureType: | No Data | Conf. Sub. is Parent. Mat.: | Probable |
| Geol. Ref.: | Ou | Substrate Material: | Gravel |

Land Form

| | | | |
|-------------------------|-------------|------------------------|-----------|
| Rel/Slope Class: | No Data | Pattern Type: | Pediment |
| Morph. Type: | Lower-slope | Relief: | No Data |
| Elem. Type: | Footslope | Slope Category: | No Data |
| Slope: | 4 % | Aspect: | 0 degrees |

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

| | | | |
|--|--------------------------------|--------------------------------|-------------------|
| Australian Soil Classification: | N/A | Mapping Unit: | N/A |
| ASC Confidence: | Confidence level not specified | Principal Profile Form: | Dr3.21 |
| | | Great Soil Group: | Red podzolic soil |

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

Vegetation:

Surface Coarse Fragments:

Profile Morphology

| | | |
|----|--------------|---|
| A1 | 0 - 0.13 m | Dark brown (7.5YR3/4-Moist); ; Fine sandy clay loam; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Moist; Slightly plastic; Slightly sticky; Field pH 5 (Raupach); Many, fine (1-2mm) roots; Clear, Smooth change to - |
| A2 | 0.13 - 0.5 m | Strong brown (7.5YR4/6-Moist); ; Fine sandy clay loam; Massive grade of structure; Earthy fabric; Few (<1 per 100mm2) Fine (1-2mm) macropores, Wet; Slightly plastic; Slightly sticky; 10-20%, coarse gravelly, 20-60mm, subangular, dispersed, coarse fragments; Field pH 5.5 (Raupach); Common, fine (1-2mm) roots; Clear change to - |
| B | 0.5 - 0.65 m | Yellowish red (5YR4/8-Moist); Mottles, 10-20% , Faint; Medium clay; Moderate grade of structure, 2-5 mm, Polyhedral; Rough-ped fabric; Moist; Moderately plastic; Moderately sticky; 20-50%, coarse gravelly, 20-60mm, subangular, dispersed, coarse fragments; Field pH 5.5 (Raupach); Few, fine (1-2mm) roots; |

Morphological Notes

A2 Coarse fragments are sandstone, slate, silt-mud stones.

B Same as above.

Observation Notes

Pit to 30cm, auger to 65cm. Profile formed partly by sedimentation.

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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