

**Project Name:** WAGGA WAGGA SOIL LANDSCAPES  
**Project Code:** 1000448      **Site ID:** WW233      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (ACT)

#### Site Information

<b>Desc. By:</b>	Chen, XY	<b>Locality:</b>	
<b>Date Desc.:</b>	15/07/93	<b>Elevation:</b>	310 metres
<b>Map Ref.:</b>	Sheet No. : 8327 1:25000	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	6075825 AMG zone: 55	<b>Runoff:</b>	Very slow
<b>Easting/Lat.:</b>	516075 Datum: AGD66	<b>Drainage:</b>	Imperfectly drained

#### Geology

<b>ExposureType:</b>	Existing vertical exposure	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	Cza	<b>Substrate Material:</b>	Clay

#### Land Form

<b>Rel/Slope Class:</b>	No Data	<b>Pattern Type:</b>	Alluvial plain
<b>Morph. Type:</b>	Flat	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	No Data
<b>Slope:</b>	1 %	<b>Aspect:</b>	225 degrees

**Surface Soil Condition (dry):** Hardsetting

**Erosion:** Partial, Minor (gully)

#### Soil Classification

<b>Australian Soil Classification:</b>	N/A	<b>Mapping Unit:</b>	N/A
<b>ASC Confidence:</b>	Confidence level not specified	<b>Principal Profile Form:</b>	Dy3.41
		<b>Great Soil Group:</b>	Soloth

**Site Disturbance:** Complete clearing. Pasture, native or improved, cultivated at some stage

#### Vegetation:

#### Surface Coarse Fragments:

#### Profile Morphology

A1	0 - 0.12 m	Dark brown (7.5YR3/3-Moist); ; Fine sandy clay loam; Weak grade of structure, 5-10 mm, Subangular blocky; Earthy fabric; Many (>5 per 100mm <sup>2</sup> ) Very fine (0.075-1mm) macropores, Common (1-5 per 100mm <sup>2</sup> ) Fine (1-2mm) macropores, Dry; Weak consistence; Slightly plastic; Moderately sticky; Field pH 6 (Raupach); Many, fine (1-2mm) roots; Clear change to -
A2	0.12 - 0.32 m	Brown (7.5YR5/3-Moist); Pinkish grey (7.5YR7/3-Dry); ; Sandy loam; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm <sup>2</sup> ) Very fine (0.075-1mm) macropores, Common (1-5 per 100mm <sup>2</sup> ) Fine (1-2mm) macropores, Dry; Firm consistence; Slightly plastic; Moderately 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 5.5 (Raupach); Common, fine (1-2mm) roots; Clear change to -
B	0.32 - 0.75 m	Yellowish brown (10YR5/6-Moist); Mottles, 20-50% , Faint; Light medium clay; Moderate grade of structure, 50-100 mm, Subangular blocky; 100-200 mm, Prismatic; Smooth-ped fabric; Few (<1 per 100mm <sup>2</sup> ) Very fine (0.075-1mm) macropores, Dry; Very firm consistence; Moderately plastic; Very sticky; Common (10 - 20 %), Ferromanganiferous, Fine (0 - 2 mm), Nodules, strong, segregations; Common (10 - 20 %), Ferromanganiferous, Medium (2 -6 mm), Nodules, strong, segregations; Field pH 5.5 (Raupach); Few, fine (1-2mm) roots;

#### Morphological Notes

A1 Sample taken out of fence, near tree.

#### Observation Notes

#### Site Notes

IN FENCE

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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