

**Project Name:** WAGGA WAGGA SOIL LANDSCAPES  
**Project Code:** 1000448      **Site ID:** WW65      **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>	275 metres
<b>Map Ref.:</b>	Sheet No. : 8327 1:25000	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	6087975 AMG zone: 55	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	540850 Datum: AGD66	<b>Drainage:</b>	Moderately well drained

**Geology**

<b>ExposureType:</b>	No Data	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	Ou	<b>Substrate Material:</b>	Sand

**Land Form**

<b>Rel/Slope Class:</b>	No Data	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	Lower-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Footslope	<b>Slope Category:</b>	No Data
<b>Slope:</b>	3 %	<b>Aspect:</b>	225 degrees

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

**Erosion:**

**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>	Gn2.42
		<b>Great Soil Group:</b>	N/A

**Site Disturbance:** Extensive clearing, for example poisoning, ringbarking

**Vegetation:**

**Surface Coarse Fragments:**

**Profile Morphology**

A	0 - 0.25 m	Dark brown (7.5YR3/4-Moist); ; Clay loam, sandy; 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, Moist; Slightly plastic; Moderately sticky; Field pH 5.5 (Raupach); Many, fine (1-2mm) roots; Gradual, Smooth change to -
B	0.25 - 0.45 m	Brown (7.5YR4/4-Moist); ; Medium sandy medium clay; 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, Moist; Moderately plastic; Moderately sticky; Field pH 6 (Raupach); Many, fine (1-2mm) roots; Gradual, Smooth change to -
BC	0.45 - 1.2 m	Dark yellowish brown (10YR4/6-Moist); Mottles, 0-2% , Distinct; Mottles, 0-2% , Faint; Medium clay; Moderate grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Few (<1 per 100mm2) Fine (1-2mm) macropores, Moist; Very plastic; Very sticky; Common (10 - 20 %), Ferromanganiferous, Medium (2 -6 mm), Nodules, strong, segregations;Common (10 - 20 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules, strong, segregations;Field pH 8 (Raupach); Common, fine (1-2mm) roots;

**Morphological Notes**

**Observation Notes**

Eroded old terrace.

**Site Notes**

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**Laboratory Test Results:**

Depth	pH	1:5 EC	Exchangeable Cations	Exchangeable	CEC	ECEC	ESP
m		Ca	Mg	K	Na	Acidity	%
		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 - m <sup>3</sup> /m <sup>3</sup>						mm/h	mm/h
0.00	0.00	100	98	95	90	85	75	65	10	10
0.05	0.00	100	98	95	90	85	75	65	10	10
0.10	0.00	100	98	95	90	85	75	65	10	10
0.15	0.00	100	98	95	90	85	75	65	10	10
0.20	0.00	100	98	95	90	85	75	65	10	10
0.25	0.00	100	98	95	90	85	75	65	10	10
0.30	0.00	100	98	95	90	85	75	65	10	10
0.35	0.00	100	98	95	90	85	75	65	10	10
0.40	0.00	100	98	95	90	85	75	65	10	10
0.45	0.00	100	98	95	90	85	75	65	10	10
0.50	0.00	100	98	95	90	85	75	65	10	10
0.55	0.00	100	98	95	90	85	75	65	10	10
0.60	0.00	100	98	95	90	85	75	65	10	10
0.65	0.00	100	98	95	90	85	75	65	10	10
0.70	0.00	100	98	95	90	85	75	65	10	10
0.75	0.00	100	98	95	90	85	75	65	10	10
0.80	0.00	100	98	95	90	85	75	65	10	10
0.85	0.00	100	98	95	90	85	75	65	10	10
0.90	0.00	100	98	95	90	85	75	65	10	10
0.95	0.00	100	98	95	90	85	75	65	10	10
1.00	0.00	100	98	95	90	85	75	65	10	10
1.05	0.00	100	98	95	90	85	75	65	10	10
1.10	0.00	100	98	95	90	85	75	65	10	10
1.15	0.00	100	98	95	90	85	75	65	10	10
1.20	0.00	100	98	95	90	85	75	65	10	10
1.25	0.00	100	98	95	90	85	75	65	10	10
1.30	0.00	100	98	95	90	85	75	65	10	10
1.35	0.00	100	98	95	90	85	75	65	10	10
1.40	0.00	100	98	95	90	85	75	65	10	10
1.45	0.00	100	98	95	90	85	75	65	10	10
1.50	0.00	100	98	95	90	85	75	65	10	10
1.55	0.00	100	98	95	90	85	75	65	10	10
1.60	0.00	100	98	95	90	85	75	65	10	10
1.65	0.00	100	98	95	90	85	75	65	10	10
1.70	0.00	100	98	95	90	85	75	65	10	10
1.75	0.00	100	98	95	90	85	75	65	10	10
1.80	0.00	100	98	95	90	85	75	65	10	10
1.85	0.00	100	98	95	90	85	75	65	10	10
1.90	0.00	100	98	95	90	85	75	65	10	10
1.95	0.00	100	98	95	90	85	75	65	10	10
2.00	0.00	100	98	95	90	85	75	65	10	10
2.05	0.00	100	98	95	90	85	75	65	10	10
2.10	0.00	100	98	95	90	85	75	65	10	10
2.15	0.00	100	98	95	90	85	75	65	10	10
2.20	0.00	1								

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Laboratory Analyses Completed for this profile