

**Project Name:** WAGGA WAGGA SOIL LANDSCAPES  
**Project Code:** 1000448      **Site ID:** WW58      **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>	255 metres
<b>Map Ref.:</b>	Sheet No. : 8327    1:25000	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	6090750 AMG zone: 55	<b>Runoff:</b>	Very slow
<b>Easting/Lat.:</b>	535375    Datum: AGD66	<b>Drainage:</b>	Imperfectly drained

#### Geology

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

#### 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>	180 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>	Dy3.12
		<b>Great Soil Group:</b>	N/A

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

#### Vegetation:

#### Surface Coarse Fragments:

#### Profile Morphology

A	0 - 0.2 m	Brown (7.5YR4/3-Moist); ; Clay loam; Weak grade of structure, 2-5 mm, Polyhedral; 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 5 (Raupach); Many, fine (1-2mm) roots; Clear, Smooth change to -
B2	0.2 - 0.55 m	Brown (7.5YR5/4-Moist); Mottles, 2-10% , Distinct; Medium heavy 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; 2-10%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules, strong, segregations;Field pH 6 (Raupach); Common, fine (1-2mm) roots; Few, coarse (>5mm) roots; Gradual, Smooth change to -
B3	0.55 - 0.75 m	Brown (10YR5/3-Moist); Mottles, 10-20% , Faint; Coarse sandy light medium clay; Moderate grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Moist; Moderately plastic; Moderately sticky; 10-20%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules, strong, segregations;Field pH 6.5 (Raupach); Few, fine (1-2mm) roots; Few, coarse (>5mm) roots;

#### Morphological Notes

#### Observation Notes

Pit to 30cm, auger to 75cm.      Some disturbance of topsoil?

#### Site Notes

400M E OF DAM

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**Laboratory Test Results:**

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
		Ca	Mg	K	Na	Acidity			
m		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	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
0.05	0.05	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
0.10	0.10	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
0.15	0.15	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
0.20	0.20	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
0.25	0.25	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
0.30	0.30	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
0.35	0.35	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
0.40	0.40	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
0.45	0.45	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
0.50	0.50	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
0.55	0.55	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
0.60	0.60	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
0.65	0.65	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
0.70	0.70	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
0.75	0.75	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
0.80	0.80	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
0.85	0.85	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
0.90	0.90	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
0.95	0.95	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
1.00	1.00	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
1.05	1.05	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
1.10	1.10	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
1.15	1.15	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
1.20	1.20	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
1.25	1.25	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
1.30	1.30	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
1.35	1.35	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
1.40	1.40	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
1.45	1.45	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
1.50	1.50	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
1.55	1.55	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
1.60	1.60	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
1.65	1.65	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
1.70	1.70	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
1.75	1.75	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
1.80	1.80	86.9	86.9	86.9	86.9	86.9	86.9	86.9	0.00	0.00
1.85	1									

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Laboratory Analyses Completed for this profile