Project Name: **WAGGA WAGGA SOIL LANDSCAPES**
Project Code: **1000448** **Site ID:** **WW192** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (ACT)**

Site Information

Desc. By:	Chen, XY	**Locality:**	
Date Desc.:	15/07/93	**Elevation:**	285 metres
Map Ref.:	Sheet No. : 8327 1:25000	**Rainfall:**	No Data
Northing/Long.:	6098800 AMG zone: 55	**Runoff:**	Very slow
Easting/Lat.:	528600 Datum: AGD66	**Drainage:**	No Data

Geology

ExposureType:	No Data	**Conf. Sub. is Parent. Mat.:**	Probable
Geol. Ref.:	Ou	**Substrate Material:**	Sandstone

Land Form

Rel/Slope Class:	No Data	**Pattern Type:**	Rises
Morph. Type:	Ridge	**Relief:**	No Data
Elem. Type:	Hillcrest	**Slope Category:**	No Data
Slope:	0 %	**Aspect:**	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Bleached Red Chromosol Very thick Gravelly Sandy
ASC Confidence:
Confidence level not specified

Mapping Unit: N/A
Principal Profile Form: Dr2.41
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 - 0.15 m	Dark reddish brown (5YR3/4-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Few (<1 per 100mm2) Fine (1-2mm) macropores, Dry; Weak consistence; Non-plastic; Slightly sticky; Field pH 5.5 (Raupach); Many, fine (1-2mm) roots; Gradual, Smooth change to -
A2	0.15 - 0.3 m	Yellowish red (5YR5/6-Moist); Pink (5YR7/4-Dry); ; Fine sandy clay loam; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Few (<1 per 100mm2) Fine (1-2mm) macropores, Dry; Firm consistence; Slightly plastic; Moderately sticky; Field pH 6 (Raupach); Many, fine (1-2mm) roots; Clear, Smooth change to -
B2	0.3 - 0.9 m	Red (2.5YR4/8-Moist); ; Light medium clay; Strong grade of structure, 5-10 mm, Polyhedral; Rough-ped fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Very firm consistence; Moderately plastic; Very sticky; Very few (0 - 2 %), Ferromanganiferous, Fine (0 - 2 mm), Nodules, strong, segregations;Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules, strong, segregations;Field pH 5.5 (Raupach); Common, fine (1-2mm) roots; Diffuse, Smooth change to -
B3	0.9 - 1.7 m	Dark red (2.5YR3/6-Moist); Mottles, 20-50% , Distinct; Medium clay; Strong grade of structure, 5-10 mm, Polyhedral; Rough-ped fabric; Dry; Very firm consistence; Moderately plastic; Very sticky; 2-10%, fine gravelly, 2-6mm, subrounded, stratified, Quartz, coarse fragments; Very few (0 - 2 %), Ferromanganiferous, Fine (0 - 2 mm), Nodules, strong, segregations;Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules, strong, segregations;Field pH 5.5 (Raupach); Few, fine (1-2mm) roots;

Morphological Notes

B3 A stone line at 120cm.

Observation Notes

Site Notes

W WALL OF BATTER

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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 - m3/m3							mm/h	mm/h

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Laboratory Analyses Completed for this profile