Project Name: **WAGGA WAGGA SOIL LANDSCAPES**
Project Code: **1000448** **Site ID:** **WW264** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (ACT)**

Site Information

Desc. By:	Chen, XY	**Locality:**	
Date Desc.:	15/07/93	**Elevation:**	201 metres
Map Ref.:	Sheet No. : 8327 1:25000	**Rainfall:**	No Data
Northing/Long.:	6094525 AMG zone: 55	**Runoff:**	Slow
Easting/Lat.:	505575 Datum: AGD66	**Drainage:**	Moderately well drained

Geology

ExposureType:	Existing vertical exposure	**Conf. Sub. is Parent. Mat.:**	Probable
Geol. Ref.:	Cza	**Substrate Material:**	Sand

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:	3 %	**Aspect:**	270 degrees

Surface Soil Condition (dry): Hardsetting

Erosion: Stable, Minor (sheet) Partial, Minor (gully)

Soil Classification

Australian Soil Classification:
Haplic Brown Dermosol Thick Moderately gravelly Sandy

ASC Confidence:
Confidence level not specified

Mapping Unit: N/A
Principal Profile Form: Db1.21
Great Soil Group: Grey-brown 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 brown (7.5YR3/4-Moist); ; Fine sandy loam; Weak grade of structure, 5-10 mm, Subangular blocky; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Few (<1 per 100mm2) Fine (1-2mm) macropores, Dry; Firm consistence; Non-plastic; Slightly sticky; Field pH 5.5 (Raupach); Common, fine (1-2mm) roots; Gradual change to -
A2	0.15 - 0.35 m	Reddish brown (5YR5/4-Moist); Light reddish brown (5YR6/4-Dry); ; Fine sandy clay loam; Weak grade of structure, 20-50 mm, Columnar; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Very firm consistence; Slightly plastic; Moderately sticky; 0-2%, fine gravelly, 2-6mm, subrounded, dispersed, coarse fragments; Few (2 - 10 %), Ferromanganiferous, Fine (0 - 2 mm), Nodules, strong, segregations;Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules, strong, segregations;Field pH 6 (Raupach); Few, fine (1-2mm) roots; Gradual change to -
B	0.35 - 0.6 m	Brown (7.5YR4/4-Moist); Mottles, 2-10% , Distinct; Fine sandy light medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Few (<1 per 100mm2) Fine (1-2mm) macropores, Dry; Strong consistence; Moderately plastic; Very sticky; 0-2%, fine gravelly, 2-6mm, subrounded, dispersed, coarse fragments; Few (2 - 10 %), Ferromanganiferous, Fine (0 - 2 mm), Nodules, strong, segregations;Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules, strong, segregations;Field pH 6 (Raupach); Few, fine (1-2mm) roots;

Morphological Notes

Observation Notes

Gravels are lithic sandstone.

Site Notes

100M 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 - m3/m3							mm/h	mm/h

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Laboratory Analyses Completed for this profile