Project Name: **WAGGA WAGGA SOIL LANDSCAPES**
Project Code: **1000448** **Site ID:** **WW150** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (ACT)**

Site Information

Desc. By:	Chen, XY	**Locality:**	
Date Desc.:	15/07/93	**Elevation:**	210 metres
Map Ref.:	Sheet No. : 8327 1:25000	**Rainfall:**	No Data
Northing/Long.:	6119625 AMG zone: 55	**Runoff:**	Moderately rapid
Easting/Lat.:	524100 Datum: AGD66	**Drainage:**	Moderately well drained

Geology

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

Land Form

Rel/Slope Class:	No Data	**Pattern Type:**	Low hills
Morph. Type:	Lower-slope	**Relief:**	No Data
Elem. Type:	Hillslope	**Slope Category:**	No Data
Slope:	4 %	**Aspect:**	270 degrees

Surface Soil Condition (dry): Hardsetting

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

Soil Classification

Australian Soil Classification:
Haplic Red Kandosol Medium Slightly gravelly Sandy
ASC Confidence:
Confidence level not specified

Mapping Unit: N/A
Principal Profile Form: Gn2.12
Great Soil Group: Red earth

Site Disturbance: Extensive clearing, for example poisoning, ringbarking

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A	0 - 0.1 m	Dark brown (7.5YR3/4-Moist); ; Medium sandy clay loam; Weak grade of structure, 10-20 mm, Subangular blocky; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Slightly plastic; Moderately sticky; 0-2%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; Field pH 6 (Raupach); Common, fine (1-2mm) roots; Clear, Smooth change to -
B	0.1 - 0.45 m	Yellowish red (5YR4/6-Moist); ; Coarse sandy light 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, Dry; Moderately plastic; Very sticky; 0-2%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, 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 6.5 (Raupach); Common, fine (1-2mm) roots; Gradual, Smooth change to -
BC	0.45 - 1 m	Dark yellowish brown (10YR4/6-Moist); Mottles, 2-10% , Distinct; Mottles, 2-10% , Faint; Medium sandy light medium clay; Moderate grade of structure, 5-10 mm, Polyhedral; Rough-ped fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Moderately plastic; Very sticky; 2-10%, fine gravelly, 2-6mm, subrounded, dispersed, 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 7 (Raupach); Few, fine (1-2mm) roots;

Morphological Notes

A Some may have been removed by previous sheet erosion.

Observation Notes

Site Notes

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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