

Project Name: WAGGA WAGGA SOIL LANDSCAPES  
Project Code: 1000448 Site ID: WW64 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.:	6087275 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	540950 Datum: AGD66	Drainage:	Moderately well drained

**Geology**

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

**Land Form**

Rel/Slope Class:	No Data	Pattern Type:	Rises
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	Hillcrest	Slope Category:	No Data
Slope:	3 %	Aspect:	315 degrees

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

**Erosion:**

**Soil Classification**

Australian Soil Classification:		Mapping Unit:	N/A
N/A		Principal Profile Form:	Dr2.12
ASC Confidence:		Great Soil Group:	Non-calcic brown soil
Confidence level not specified			

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

**Vegetation:**

**Surface Coarse Fragments:**

**Profile Morphology**

A	0 - 0.2 m	Reddish brown (5YR4/4-Moist); ; Clay loam; 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 5.5 (Raupach); Many, fine (1-2mm) roots; Gradual, Smooth change to -
B	0.2 - 1.7 m	Dark red (2.5YR3/6-Moist); ; Medium heavy clay; Weak grade of structure, 2-5 mm, Polyhedral; Rough-ped fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Common (1-5 per 100mm2) Fine (1-2mm) macropores, Moist; Very plastic; Very sticky; 0-2%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; Field pH 7 (Raupach); Common, fine (1-2mm) roots;
BC	1.7 - 2.5 m	;

**Morphological Notes**

BC Stony, compact, old alluvium.

**Observation Notes**

Old terrace.

**Site Notes**

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na	Acidity		
						Cmol (+)/kg			%

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	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