

Project Name: WAGGA WAGGA SOIL LANDSCAPES
Project Code: 1000448 **Site ID:** WW45 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	Chen, XY	Locality:	
Date Desc.:	15/07/93	Elevation:	460 metres
Map Ref.:	Sheet No. : 8327 1:25000	Rainfall:	No Data
Northing/Long.:	6087275 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	531050 Datum: AGD66	Drainage:	Moderately well drained

Geology

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

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Hills
Morph. Type:	Ridge	Relief:	No Data
Elem. Type:	Hillcrest	Slope Category:	No Data
Slope:	3 %	Aspect:	135 degrees

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	Gn2.11
		Great Soil Group:	Red earth

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation:

Surface Coarse Fragments: 2-10%, medium gravelly, 6-20mm, angular, Siltstone; No surface coarse fragments

Profile Morphology

A	0 - 0.12 m	Dark brown (7.5YR3/3-Moist); ; Medium sandy 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, Few (<1 per 100mm2) Medium (2-5mm) macropores, Moist; Slightly plastic; Slightly sticky; 0-2%, medium gravelly, 6-20mm, angular, dispersed, Siltstone, coarse fragments; Field pH 5.5 (Raupach); Common, fine (1-2mm) roots; Clear, Smooth change to -
B	0.12 - 0.75 m	Yellowish red (5YR4/8-Moist); Substrate influence, 10-20% , Distinct; Medium sandy light medium clay; Weak grade of structure, <2 mm, Granular; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Common (1-5 per 100mm2) Fine (1-2mm) macropores, Few (<1 per 100mm2) Medium (2-5mm) macropores, Moist; Moderately plastic; Moderately sticky; 2-10%, medium gravelly, 6-20mm, angular, dispersed, Siltstone, coarse fragments; Field pH 5 (Raupach); Common, fine (1-2mm) roots;

Morphological Notes

B Mottle near lower boundary (from weathered stones).

Observation Notes

Pit to 30cm, auger to 75cm.

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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		
m					g/g - m3/m3			mm/h	mm/h

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Laboratory Analyses Completed for this profile