

Project Name: WAGGA WAGGA SOIL LANDSCAPES
Project Code: 1000448 **Site ID:** WW312 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	Chen, XY	Locality:	
Date Desc.:	15/07/93	Elevation:	380 metres
Map Ref.:	Sheet No. : 8327 1:25000	Rainfall:	No Data
Northing/Long.:	6081925 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	542950 Datum: AGD66	Drainage:	Moderately well drained

Geology

ExposureType:	Existing vertical exposure	Conf. Sub. is Parent. Mat.:	Probable
Geol. Ref.:	Ou	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:	11 %	Aspect:	270 degrees

Surface Soil Condition (dry): Hardsetting

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

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	Dy2.11
		Great Soil Group:	N/A

Site Disturbance: Complete clearing. Pasture, native or improved, but never cultivated

Vegetation:

Surface Coarse Fragments: 0-2%, fine gravelly, 2-6mm, subangular, Quartz; No surface coarse fragments

Profile Morphology

A1	0 - 0.15 m	Dark reddish brown (5YR3/3-Moist); ; Clay loam; Weak grade of structure, 20-50 mm, Subangular blocky; Earthy fabric; Common (1-5 per 100mm ²) Very fine (0.075-1mm) macropores, Moderately moist; Weak consistence; Slightly plastic; Moderately sticky; 0-2%, fine gravelly, 2-6mm, subangular, dispersed, Quartz, coarse fragments; Field pH 5.5 (Raupach); Common, fine (1-2mm) roots; Gradual, Smooth change to -
B1	0.15 - 0.25 m	Yellowish red (5YR4/6-Moist); ; Light clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Rough-ped fabric; Few (<1 per 100mm ²) Very fine (0.075-1mm) macropores, Dry; Very firm consistence; Moderately plastic; Very sticky; 0-2%, fine gravelly, 2-6mm, subangular, dispersed, Quartz, coarse fragments; Field pH 6 (Raupach); Common, fine (1-2mm) roots; Clear, Smooth change to -
B2	0.25 - 0.4 m	Strong brown (7.5YR5/6-Moist); ; Medium clay; Moderate grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Few (<1 per 100mm ²) Very fine (0.075-1mm) macropores, Moderately moist; Weak consistence; Very plastic; Very sticky; Field pH 6 (Raupach); Common, fine (1-2mm) roots; Gradual change to -
B3	0.4 - 0.6 m	Yellowish brown (10YR5/6-Moist); ; Medium clay; Moderate grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Few (<1 per 100mm ²) Very fine (0.075-1mm) macropores, Moderately moist; Weak consistence; Very plastic; Very sticky; 0-2%, fine gravelly, 2-6mm, subangular, dispersed, Quartz, coarse fragments; Field pH 6 (Raupach); Few, fine (1-2mm) roots;

Morphological Notes

Observation Notes

>2m thick clay sequence exposed by gully

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