

Project Name: WAGGA WAGGA SOIL LANDSCAPES
Project Code: 1000448 **Site ID:** WW30 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	Chen, XY	Locality:	
Date Desc.:	15/07/93	Elevation:	252 metres
Map Ref.:	Sheet No. : 8327 1:25000	Rainfall:	No Data
Northing/Long.:	6085525 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	510275 Datum: AGD66	Drainage:	Imperfectly 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:	Open depression (vale)	Relief:	No Data
Elem. Type:	Valley flat	Slope Category:	No Data
Slope:	2 %	Aspect:	180 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:	Dy3.43
		Great Soil Group:	N/A

Site Disturbance: Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.15 m	Brown (7.5YR4/4-Moist); ; Sandy loam; Weak grade of structure; Smooth-ped fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Slightly plastic; Moderately sticky; Field pH 4.5 (Raupach); Many, fine (1-2mm) roots; Clear, Smooth change to -
A2	0.15 - 0.35 m	Pale brown (10YR6/3-Moist); White (10YR8/2-Dry); ; Silty clay loam; Massive grade of structure; Earthy fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Wet; Moderately plastic; Moderately sticky; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules, strong, segregations;Field pH 6 (Raupach); Common, fine (1-2mm) roots; Clear change to -
B	0.35 - 0.6 m	Yellowish brown (10YR5/4-Moist); Mottles, 20-50% , Faint; Medium heavy clay; Moderate grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Wet; Very plastic; Very sticky; Very few (0 - 2 %), Ferromanganiferous, Fine (0 - 2 mm), Soft segregations, weak, segregations;Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Soft segregations, weak, segregations;Field pH 7 (Raupach); Few, fine (1-2mm) roots;
BC	0.6 - 0.85 m	Yellowish red (5YR5/6-Moist); ; Light clay; Weak grade of structure; Moist; Very plastic; Very sticky; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules, strong, segregations;Field pH 9.5 (Raupach);

Morphological Notes

Observation Notes

Pit to 40cm Auger to 85cm

Site Notes

NEAR DRAINAGE LINE

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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