

Project Name: WAGGA WAGGA SOIL LANDSCAPES
Project Code: 1000448 **Site ID:** WW129 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	Chen, XY	Locality:	
Date Desc.:	15/07/93	Elevation:	226 metres
Map Ref.:	Sheet No. : 8327 1:25000	Rainfall:	No Data
Northing/Long.:	6104475 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	534075 Datum: AGD66	Drainage:	Imperfectly drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	Probable
Geol. Ref.:	Czg	Substrate Material:	Sand

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Alluvial plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	No Data
Slope:	2 %	Aspect:	315 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:	Dy2.43
		Great Soil Group:	N/A

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

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.14 m	Dark brown (7.5YR3/4-Moist); ; Clay loam; Massive grade of structure; Earthy fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Few (<1 per 100mm2) Fine (1-2mm) macropores, Moist; Slightly plastic; Slightly sticky; Field pH 5.5 (Raupach); Common, fine (1-2mm) roots; Abrupt, Smooth change to -
A2	0.14 - 0.38 m	Brown (7.5YR5/4-Moist); Pinkish grey (7.5YR7/3-Dry); Mottles, 2-10% , Faint; Sandy loam; Massive grade of structure; Earthy fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Few (<1 per 100mm2) Fine (1-2mm) macropores, Moist; Slightly plastic; Moderately sticky; Common (10 - 20 %), Ferromanganiferous, Fine (0 - 2 mm), Nodules, strong, segregations;Common (10 - 20 %), Ferromanganiferous, Medium (2 -6 mm), Nodules, strong, segregations;Field pH 6 (Raupach); Common, fine (1-2mm) roots; Clear, Smooth change to -
B2	0.38 - 0.55 m	Yellowish red (5YR5/6-Moist); Mottles, 2-10% , Distinct; Mottles, 2-10% , Faint; Light medium clay; Moderate grade of structure, 2-5 mm, Polyhedral; Rough-ped fabric; Moist; Moderately plastic; Very sticky; Field pH 7 (Raupach); Few, fine (1-2mm) roots; Clear change to -
B3	0.55 - 0.8 m	Brown (7.5YR4/2-Moist); Mottles, 2-10% , Distinct; Mottles, 2-10% , Faint; Medium heavy clay; Moderate grade of structure, 2-5 mm, Polyhedral; 2-5 mm, Angular blocky; Smooth-ped fabric; Moist; Very plastic; Moderately sticky; Few cutans, <10% of ped faces or walls coated, distinct; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Soft segregations, weak, segregations;Few (2 - 10 %), Manganiferous, Coarse (6 - 20 mm), Soft segregations, weak, segregations;Field pH 9 (Raupach);

Morphological Notes

A2 Fe-Mn nodules concentrate in upper part.

B3 Palaeosol?

Observation Notes

Pit to 35cm, auger to 80cm.

Site Notes

20M IN GATE, E OF TRACK

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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