

Project Name: WAGGA WAGGA SOIL LANDSCAPES
Project Code: 1000448 **Site ID:** WW24 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	Chen, XY	Locality:	
Date Desc.:	15/07/93	Elevation:	199 metres
Map Ref.:	Sheet No. : 8327 1:25000	Rainfall:	No Data
Northing/Long.:	6114375 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	517875 Datum: AGD66	Drainage:	Moderately well drained

Geology

ExposureType:	Existing vertical exposure	Conf. Sub. is Parent. Mat.:	Probable
Geol. Ref.:	Sgc	Substrate Material:	Sand

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Low hills
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Valley flat	Slope Category:	No Data
Slope:	2 %	Aspect:	0 degrees

Surface Soil Condition (dry): Firm

Erosion: Stable, Minor (gully)

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	Um1.43
		Great Soil Group:	Alluvial soil

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

Vegetation:

Surface Coarse Fragments: 0-2%, fine gravelly, 2-6mm, subangular, Quartz

Profile Morphology

A	0 - 0.2 m	Dark reddish brown (5YR3/3-Moist); ; Medium sandy light clay; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm ²) Very fine (0.075-1mm) macropores, Few (<1 per 100mm ²) Fine (1-2mm) macropores, Moist; Firm consistence; Moderately plastic; Moderately sticky; 0-2%, fine gravelly, 2-6mm, subangular, dispersed, Quartz, coarse fragments; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules, strong, segregations;Field pH 7 (Raupach); Many, very fine (0-1mm) roots; Many, fine (1-2mm) roots; Gradual change to -
C	0.2 - 1.2 m	Reddish brown (5YR4/3-Moist); ; Massive grade of structure; Earthy fabric; Few (<1 per 100mm ²) Very fine (0.075-1mm) macropores, Few (<1 per 100mm ²) Fine (1-2mm) macropores, Moist; Firm consistence; Moderately plastic; Moderately sticky; 2-10%, fine gravelly, 2-6mm, subangular, dispersed, Quartz, coarse fragments; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules, strong, segregations;Few (2 - 10 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules, strong, segregations;Field pH 6.5 (Raupach); Common, very fine (0-1mm) roots; Common, fine (1-2mm) roots;

Morphological Notes

A Difficult to separate from layer 2

C Sample taken from 100-120cm

Observation Notes

No surface water

Site Notes

80M INTO FENCE AT 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