

Project Name: WAGGA WAGGA SOIL LANDSCAPES
Project Code: 1000448 **Site ID:** WW19 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	Chen, XY	Locality:	
Date Desc.:	15/07/93	Elevation:	297 metres
Map Ref.:	Sheet No. : 8327 1:25000	Rainfall:	No Data
Northing/Long.:	6100800 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	538950 Datum: AGD66	Drainage:	Imperfectly drained

Geology

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

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Low hills
Morph. Type:	Mid-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	8 %	Aspect:	135 degrees

Surface Soil Condition (dry): Firm

Erosion: Partial, Minor (sheet) Active, Severe (gully)

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	Dy3.41
		Great Soil Group:	Soloth

Site Disturbance: Extensive clearing, for example poisoning, ringbarking

Vegetation:

Surface Coarse Fragments: 2-10%, fine gravelly, 2-6mm, subangular, Quartz

Profile Morphology

A1	0 - 0.15 m	Brown (7.5YR4/3-Moist); Very pale brown (10YR7/3-Dry); ; Loamy coarse sand; 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; Weak consistence; Non-plastic; Slightly sticky; 0-2%, fine gravelly, 2-6mm, subangular, dispersed, Quartz, coarse fragments; Field pH 5.5 (Raupach); Common, fine (1-2mm) roots; Clear, Wavy change to -
A2	0.15 - 0.2 m	Pale brown (10YR6/3-Moist); Light grey (10YR7/2-Dry); ; Loamy coarse sand; 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; Weak consistence; Non-plastic; Slightly sticky; 0-2%, fine gravelly, 2-6mm, subangular, dispersed, Quartz, coarse fragments; Field pH 6 (Raupach); Few, fine (1-2mm) roots; Clear, Smooth change to -
B	0.2 - 1.2 m	Yellowish brown (10YR5/4-Moist); Mottles, 20-50% , Distinct; Medium sandy medium clay; Massive grade of structure; Earthy fabric; Few (<1 per 100mm ²) Very fine (0.075-1mm) macropores, Moderately moist; Firm consistence; Moderately plastic; Moderately sticky; 2-10%, fine gravelly, 2-6mm, subangular, dispersed, Quartz, coarse fragments; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules, strong, segregations;Duripan, Strongly cemented, Broken, Massive; Field pH 5.5 (Raupach); Few, fine (1-2mm) roots; Diffuse, Irregular change to -
2B	1.2 - 2.5 m	Pale brown (10YR6/3-Moist); Mottles, 10-20% , Faint; Medium clay; Weak grade of structure, 20-50 mm, Polyhedral; Smooth-ped fabric; Moderately moist; Firm consistence; Very plastic; Moderately sticky; Few (2 - 10 %), Ferromanganiferous, Fine (0 - 2 mm), Soft segregations, weak, segregations;Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Soft segregations, weak, segregations;Duripan, Strongly cemented, Broken, Massive; Field pH 5 (Raupach);

Morphological Notes

Observation Notes

Pans are thin (<5cm), irregular in occurrence

Site Notes

S ROAD NEAR FENCE 200M W OF GATE

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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 Cmol (+)/kg	Acidity		%

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