

Project Name: WAGGA WAGGA SOIL LANDSCAPES
Project Code: 1000448 **Site ID:** WW2
Agency Name: CSIRO Division of Soils (ACT)

Observation ID: 1

Site Information

Desc. By:	Chen, XY	Locality:	
Date Desc.:	15/07/93	Elevation:	220 metres
Map Ref.:	Sheet No. : 8327 1:25000	Rainfall:	No Data
Northing/Long.:	6117200 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	537800 Datum: AGD66	Drainage:	Moderately well drained

Geology

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

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:	6 %	Aspect:	180 degrees

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

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

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

Vegetation:

Surface Coarse Fragments:

Profile Morphology

O1	0 - 0.01 m	Organic Layer; ;
A1	0.01 - 0.16 m	Reddish brown (5YR4/3-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Moist; Very weak consistence; Non-plastic; Normal plasticity; Slightly sticky; Field pH 7 (Raupach); Many, very fine (0-1mm) roots; Common, fine (1-2mm) roots; Gradual, Smooth change to -
A2	0.16 - 0.51 m	Reddish yellow (7.5YR6/6-Moist); ; Clayey sand; Massive grade of structure; Earthy fabric; Moist; Very weak consistence; Non-plastic; Normal plasticity; Moderately sticky; Very few (0 - 2 %), Ferruginous, Coarse (6 - 20 mm), Nodules, strong, segregations;Field pH 6 (Raupach); Common, very fine (0-1mm) roots; Few, fine (1-2mm) roots; Clear, Smooth change to -
B	0.51 - 0.81 m	Yellowish red (5YR5/6-Moist); Biological mixing, 2-10% , Faint; Mottles, 2-10% , Prominent; Medium heavy clay; Moderate grade of structure, 20-50 mm, Subangular blocky; 100-200 mm, Lenticular; Smooth-ped fabric; Moderately moist; Weak consistence; Very plastic; Normal plasticity; Slightly sticky; Common cutans, 10-50% of ped faces or walls coated, faint; Field pH 5.5 (Raupach);

Morphological Notes

Observation Notes

Aeolian sand (layers 1&2) on clay (layer3).
clayey
palaeosol.

Another interpretation is: siliceous sand overlying a

Site Notes

NW HOUSE SSE POLE W SIDE ROAD SADDLE

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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