

Project Name: WAGGA WAGGA SOIL LANDSCAPES
Project Code: 1000448 **Site ID:** WW35 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	Chen, XY	Locality:	
Date Desc.:	15/07/93	Elevation:	194 metres
Map Ref.:	Sheet No. : 8327 1:25000	Rainfall:	No Data
Northing/Long.:	6114050 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	519675 Datum: AGD66	Drainage:	Moderately well drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	Probable
Geol. Ref.:	Sgc	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:	7 %	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: Extensive clearing, for example poisoning, ringbarking

Vegetation:

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

Profile Morphology

A1	0 - 0.23 m	Dark reddish brown (5YR3/3-Moist); ; Coarse sandy 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; 10-20%, fine gravelly, 2-6mm, subrounded tabular, dispersed, Quartz, coarse fragments; Field pH 8.5 (Raupach); Common, very fine (0-1mm) roots; Common, fine (1-2mm) roots; Gradual, Smooth change to -
A2	0.23 - 0.35 m	Light reddish brown (5YR6/3-Moist); Pinkish yellow (7.5YR8/2-Dry); ; Coarse 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; Non-plastic; Non-sticky; 20-50%, fine gravelly, 2-6mm, subrounded tabular, dispersed, Quartz, coarse fragments; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules, strong, segregations;Field pH 8 (Raupach); Common, very fine (0-1mm) roots; Few, fine (1-2mm) roots; Clear, Smooth change to -
B2	0.35 - 0.55 m	Strong brown (7.5YR5/6-Moist); Mottles, 2-10% , Faint; Medium clay; Weak grade of structure, <2 mm, Granular; Rough-ped fabric; Moist; Very plastic; Normal plasticity; Very sticky; 0-2%, fine gravelly, 2-6mm, subrounded tabular, dispersed, Quartz, coarse fragments; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Soft segregations, weak, segregations;Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Soft segregations, weak, segregations;Field pH 9 (Raupach); Few, very fine (0-1mm) roots; Few, fine (1-2mm) roots; Gradual change to -
B3	0.55 - 0.9 m	Brown (7.5YR4/4-Moist); Mottles, 2-10% , Faint; Mottles, 0-2% , Faint; Medium heavy clay; Moderate grade of structure, 20-50 mm, Polyhedral; 100-200 mm, Prismatic; Smooth-ped fabric; Moist; Very plastic; Very sticky; 0-2%, fine gravelly, 2-6mm, subrounded tabular, dispersed, Quartz, coarse fragments; Common cutans, 10-50% of ped faces or walls coated, distinct; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Soft segregations, weak, segregations;Field pH 9.5 (Raupach);

Morphological Notes

Observation Notes

Ph of nearby cropland =6.0	Pit to 40cm	Auger to 90cm
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Site Notes

100M FROM BIG TREE - MID-SLOPE

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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