

Project Name: WAGGA WAGGA SOIL LANDSCAPES
Project Code: 1000448 **Site ID:** WW4 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	Chen, XY	Locality:	
Date Desc.:	15/07/93	Elevation:	231 metres
Map Ref.:	Sheet No. : 8327 1:25000	Rainfall:	No Data
Northing/Long.:	6123200 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	537800 Datum: AGD66	Drainage:	Moderately well drained

Geology

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

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Pediment
Morph. Type:	Lower-slope	Relief:	No Data
Elem. Type:	Footslope	Slope Category:	No Data
Slope:	3 %	Aspect:	135 degrees

Surface Soil Condition (dry): Firm

Erosion: Partial, Moderate (gully)

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	Gn2.12
		Great Soil Group:	Red earth

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

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A	0 - 0.15 m	Dark brown (7.5YR3/4-Moist); ; Clay loam; Massive grade of structure; Earthy fabric; Medium, (5 - 10) mm crack; Moderately moist; Moderately plastic; Moderately sticky; Field pH 6 (Raupach); Many, very fine (0-1mm) roots; Diffuse, Smooth change to -
B	0.15 - 0.5 m	Yellowish red (5YR3/6-Moist); ; Light medium clay; Massive grade of structure; Earthy fabric; Medium, (5 - 10) mm crack; Moderately moist; Very plastic; Slightly sticky; Few (2 - 10 %), Ferromanganiferous, Medium (2 - 6 mm), Nodules, strong, segregations;Field pH 5.5 (Raupach); Common, very fine (0-1mm) roots; Gradual, Wavy change to -
2B	0.5 - 1 m	Strong brown (7.5YR5/6-Moist); Substrate influence, 20-50% , Faint; Medium clay; Moderate grade of structure, 50-100 mm, Subangular blocky; 100-200 mm, Columnar; Rough-ped fabric; Moderately moist; Very plastic; Slightly sticky; Common (10 - 20 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules, strong, segregations;Field pH 6.5 (Raupach); Few, very fine (0-1mm) roots;

Morphological Notes

Observation Notes

Site Notes

OPP GATE

Project Name: WAGGA WAGGA SOIL LANDSCAPES
 Project Code: 1000448 Site ID: WW4
 Agency Name: CSIRO Division of Soils (ACT)

Observation ID: 1

Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.15	5B	0.04A	3.1J	1.5	0.8	0.6	0L	4.9I		12.24
0.15 - 0.5	5.1B	0.07A	3.6J	2.6	0.5	0.3	0L	6.1I		4.92
0.5 - 1	5.5B	0.04A	3.6J	2.6	0.7	0.3	0L	5.5I		5.45

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.15		0.76A	1D					4	10F	43	17	26
0.15 - 0.5		0.35A	1D					6	12F	30	12	40
0.5 - 1		0.09A	0D					5	10F	30	15	40

Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
m		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar	mm/h	mm/h
				g/g - m3/m3						
0 - 0.15				0.38B				0.1B		
0.15 - 0.5				0.37B				0.14B		
0.5 - 1				0.36B				0.15B		

Project Name: WAGGA WAGGA SOIL LANDSCAPES
Project Code: 1000448 **Site ID:** WW4 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Laboratory Analyses Completed for this profile

15F1_CA	Exchangeable bases by 0.01M silver-thiourea (AgTU)+, no pretreatment for soluble salts
15F1_K	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_MG	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_NA	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F2	Exchangeable aluminium by 0.01m (AgTU)+
15F3	CEC by 0.01M silver-thiourea (AgTU)+
3A1	EC of 1:5 soil/water extract
4B1	pH of 1:5 soil/0.01M calcium chloride extract - direct
6A1	Organic carbon - Walkley and Black
9E	Available P (mg/kg) - Bray P
9J2	Phosphate sorption curve - automated colour
P10_GRAV	Gravel (%)
P10_HYD_C	Clay (%) - Hydrometer Method
P10_HYD_CS	Coarse Sand (%) - Hydrometer Method
P10_HYD_FS	Fine Sand (%) - Hydrometer Method
P10_HYD_Z	Silt (%) - Hydrometer Method
P3B_GV_01	0.1 BAR Moisture g/g - Gravimetric using suction plate
P3B_GV_15	15 BAR Moisture g/g - Gravimetric using pressure plate