

Project Name: WAGGA WAGGA SOIL LANDSCAPES
Project Code: 1000448 **Site ID:** WW321 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	Chen, XY	Locality:	
Date Desc.:	15/07/93	Elevation:	395 metres
Map Ref.:	Sheet No. : 8327 1:25000	Rainfall:	No Data
Northing/Long.:	6096900 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	506700 Datum: AGD66	Drainage:	Well drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Du	Substrate Material:	Sandstone

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Mountains
Morph. Type:	Mid-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	52 %	Aspect:	45 degrees

Surface Soil Condition (dry): Firm

Erosion: Partial, Present (mass)

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
		Principal Profile Form:	Um1.44
ASC Confidence:	Confidence level not specified	Great Soil Group:	Lithosol

Site Disturbance: Limited clearing, for example selective logging, Extensive clearing, for example poisoning, ringbarking,

Vegetation:

Surface Coarse Fragments: 20-50%, medium gravelly, 6-20mm, subangular, Sandstone; No surface coarse fragments; No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Dark reddish brown (5YR2/2-Moist); ; Loam; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Common (1-5 per 100mm2) Fine (1-2mm) macropores, Common (1-5 per 100mm2) Medium (2-5mm) macropores, Moderately moist; Loose consistence; Slightly plastic; Slightly sticky; 20-50%, medium gravelly, 6-20mm, subangular, dispersed, Sandstone, coarse fragments; Field pH 5.5 (Raupach); Many, fine (1-2mm) roots; Diffuse change to -
C	0.1 - 0.5 m	Dark reddish brown (5YR2/2-Moist); ; Loam; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Common (1-5 per 100mm2) Fine (1-2mm) macropores, Common (1-5 per 100mm2) Medium (2-5mm) macropores, Moderately moist; Loose consistence; Slightly plastic; Slightly sticky; 50-90%, medium gravelly, 6-20mm, subangular, dispersed, Sandstone, coarse fragments; Field pH 5 (Raupach); Many, fine (1-2mm) roots;

Morphological Notes

C	Sample taken 40 - 50cm.	Very same to layer 1.
---	-------------------------	-----------------------

Observation Notes

Site Notes

Project Name: WAGGA WAGGA SOIL LANDSCAPES
 Project Code: 1000448 Site ID: WW321 Observation ID: 1
 Agency Name: CSIRO Division of Soils (ACT)

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 - 0.1	4.6B	0.06A	5.5J	1.8	0.9	0.4	0.5L	10I		4.00
0.1 - 0.5	4.1B	0.05A	1.4J	0.7	0.5	0.3	3.3L	7.4I		4.05

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 - 0.1		5.96A	17D					24	8F	45	11	12
0.1 - 0.5		5.03A	6D					30	7F	40	9	14

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	
			g/g - m3/m3						mm/h
0 - 0.1				0.73B				0.13B	
0.1 - 0.5				0.68B				0.14B	

Project Name: WAGGA WAGGA SOIL LANDSCAPES
Project Code: 1000448 **Site ID:** WW321 **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