

Project Name: **WAGGA WAGGA SOIL LANDSCAPES**  
Project Code: **1000448** Site ID: **WW135** Observation ID: **1**  
Agency Name: **CSIRO Division of Soils (ACT)**

**Site Information**

Desc. By:	Chen, XY	Locality:	
Date Desc.:	15/07/93	Elevation:	188 metres
Map Ref.:	Sheet No. : 8327 1:25000	Rainfall:	No Data
Northing/Long.:	6119100 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	540600 Datum: AGD66	Drainage:	Moderately well drained

**Geology**

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

**Land Form**

Rel/Slope Class:	No Data	Pattern Type:	Rises
Morph. Type:	Open depression (vale)	Relief:	No Data
Elem. Type:	Valley flat	Slope Category:	No Data
Slope:	2 %	Aspect:	225 degrees

**Surface Soil Condition (dry):** Hardsetting

**Erosion:**

**Soil Classification**

Australian Soil Classification:		Mapping Unit:	N/A
N/A		Principal Profile Form:	Db1.12
ASC Confidence:		Great Soil Group:	N/A
Confidence level not specified			

**Site Disturbance:**

**Vegetation:**

**Surface Coarse Fragments:**

**Profile Morphology**

A	0 - 0.15 m	Brown (7.5YR4/3-Moist); ; Clay 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, Moderately moist; Slightly plastic; Moderately sticky; Field pH 7 (Raupach); Many, fine (1-2mm) roots; Gradual, Smooth change to -
B	0.15 - 0.6 m	Brown (7.5YR4/3-Moist); ; Light clay; Moderate grade of structure, 20-50 mm, Subangular blocky; 100-200 mm, Lenticular; Smooth-ped fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Common (1-5 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Moderately plastic; Very sticky; Few cutans, <10% of ped faces or walls coated, faint; Field pH 7 (Raupach); Common, fine (1-2mm) roots;

**Morphological Notes**

**Observation Notes**

**Site Notes**

10M E DRAINAGE LINE, S ROAD

Project Name: WAGGA WAGGA SOIL LANDSCAPES  
Project Code: 1000448 Site ID: WW135 Observation ID: 1  
Agency Name: CSIRO Division of Soils (ACT)

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Na	Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Cmol (+)/kg	Acidity			%
0 - 0.15	6.1B	0.1A	7.5J	1.9	1.4	0.5	0L	10.6I		4.72
0.15 - 0.6	6.2B	0.07A	7.2J	2.7	1.7	0.6	0L	12.3I		4.88

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			%		
0 - 0.15		1.79A	2D					2	9F	53	19	17
0.15 - 0.6		0.72A	0D					2	8F	42	17	31

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 - 0.15				0.44B				0.12B	
0.15 - 0.6				0.4B				0.14B	

**Project Name:** WAGGA WAGGA SOIL LANDSCAPES  
**Project Code:** 1000448      **Site ID:** WW135      **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