

Project Name: WAGGA WAGGA SOIL LANDSCAPES
Project Code: 1000448 **Site ID:** WW67 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	Chen, XY	Locality:	
Date Desc.:	15/07/93	Elevation:	480 metres
Map Ref.:	Sheet No. : 8327 1:25000	Rainfall:	No Data
Northing/Long.:	6093800 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	538050 Datum: AGD66	Drainage:	Well drained

Geology

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

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Hills
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	Hillcrest	Slope Category:	No Data
Slope:	2 %	Aspect:	0 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:	Uc1.21
		Great Soil Group:	Earthy sand

Site Disturbance: Extensive clearing, for example poisoning, ringbarking

Vegetation:

Surface Coarse Fragments: 10-20%, fine gravelly, 2-6mm, subangular, Granite; No surface coarse fragments; No surface coarse fragments

Profile Morphology

A	0 - 0.1 m	Very dark brown (10YR2/3-Moist); ; Coarse sandy loam; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm ²) Fine (1-2mm) macropores, Moist; Non-plastic; Slightly sticky; 0-2%, fine gravelly, 2-6mm, subangular, dispersed, Granite, coarse fragments; Field pH 6 (Raupach); Common, fine (1-2mm) roots; Clear change to -
C1	0.1 - 0.6 m	Yellowish brown (10YR5/4-Moist); ; Loamy coarse sand; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm ²) Fine (1-2mm) macropores, Moist; Non-plastic; Slightly sticky; 2-10%, fine gravelly, 2-6mm, subangular, dispersed, Granite, coarse fragments; Field pH 5.5 (Raupach); Few, fine (1-2mm) roots; Gradual change to -
C2	0.6 - 0.7 m	Dark yellowish brown (10YR4/6-Moist); ; Loamy coarse sand; Massive grade of structure; Sandy (grains prominent) fabric; Moist; Non-plastic; Non-sticky; 20-50%, medium gravelly, 6-20mm, subangular, dispersed, Granite, coarse fragments; 20-50%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; Field pH 5.5 (Raupach);

Morphological Notes

Observation Notes

Site Notes

ON CREST OUTSIDE OF FENCE.

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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	5.1B	0.15A	4.9J	1	0.6	0.6	0L	8.7I		6.90
0.1 - 0.6	4.8B	0.13A	1.3J	0.7	0.4	0.4	0L	3.5I		11.43

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	FS	Analysis Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.1		2.69A	15D					19	35F	34	6	6
0.1 - 0.6		0.31A	5D					29	38F	18	7	8

Depth	COLE	Sat.	Gravimetric/Volumetric Water Contents					15 Bar	K sat	K unsat
m			0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar		mm/h	mm/h
			g/g - m3/m3							
0 - 0.1				0.3B				0.06B		
0.1 - 0.6				0.2B				0.05B		

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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