

Project Name: BRUCEDALE/LADYSMITH/GRIGGWARD - Soil Landscape Modelling
Project Code: Wagga_SLM **Site ID:** LS66 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	McKane, Dermot	Locality:	
Date Desc.:	15/07/93	Elevation:	248 metres
Map Ref.:	Sheet No. : 8427 DGPS	Rainfall:	No Data
Northing/Long.:	6105494 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	549090 Datum: AGD66	Drainage:	Poorly drained

Geology

ExposureType:	Undisturbed soil core	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Land Form

Rel/Slope Class:	No Data	Pattern Type:	No Data
Morph. Type:	Lower-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	9 %	Aspect:	315 degrees

Surface Soil Condition (dry): Soft

Erosion: Active, Moderate (gully)

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Bleached Class Undetermined Yellow Kandosol Medium	Principal Profile Form:	N/A
Slightly gravelly Clay-loamy Clayey Moderately deep		
ASC Confidence:	Great Soil Group:	N/A
Confidence level not specified		

Site Disturbance: Extensive clearing, for example poisoning, ringbarking

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.1 m	Brown (7.5YR5/4-Moist); ; Fine sandy clay loam; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Few (<1 per 100mm2) Fine (1-2mm) macropores, Weak consistence; 2-10%, fine gravelly, 2-6mm, subangular platy, dispersed, Siltstone, coarse fragments; Field pH 5 (Raupach); Common, very fine (0-1mm)
A2	0.1 - 0.31 m	Strong brown (7.5YR4/6-Moist); Pinkish grey (7.5YR7/3-Dry); ; Fine sandy clay loam; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Few (<1 per 100mm2) Fine (1-2mm) macropores, Weak consistence; 2-10%, fine gravelly, 2-6mm, subangular platy, dispersed, Siltstone, coarse fragments; Field pH 5.5 (Raupach); Few, very fine (0-1mm) roots;
B1	0.31 - 0.5 m	Strong brown (7.5YR5/8-Moist); ; Light clay; Massive grade of structure; Earthy fabric; Firm consistence; 2-10%, fine gravelly, 2-6mm, subangular platy, dispersed, Siltstone, coarse fragments; Field pH 6 (Raupach);
B21	0.5 - 0.62 m	Brownish yellow (10YR6/8-Moist); ; Light clay; Moderate grade of structure, 2-5 mm, Subangular blocky; Smooth-ped fabric; Firm consistence; 2-10%, fine gravelly, 2-6mm, subangular platy, dispersed, Siltstone, coarse fragments; Field pH 6 (Raupach);

Morphological Notes

A1 Hydrophobic.

Observation Notes

Site Notes

D. BYE

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations		Exchangeable Acidity		CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg			%
0 - 0.1	5.25A	0.101A	1.5J	0.45	0.82	0		5.2I	0.00
0.1 - 0.31	5.52A	0.027A	0.86J	0.32	0.25	0		2.9I	0.00
0.31 - 0.5	6.2A	0.041A	2.8J	2.3	0.39	0.02		6.9I	0.29
0.5 - 0.62	6.49A	0.052A	3J	3.8	0.42	0.03		8.6I	0.35

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 - 0.1		1.77C							73I		3	24
0.1 - 0.31		0.32C							73I		3	24
0.31 - 0.5		0.27C							50I		12	38
0.5 - 0.62		0.2C							50I		12	38

[illegible]

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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
15F3	CEC by 0.01M silver-thiourea (AgTU)+
15L1	Base saturation percentage (BSP)
15N1	Exchangeable sodium percentage (ESP)
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension
6B3	Total organic carbon - high frequency induction furnace, infrared
P10_NR_C	Clay (%) - Not recorded
P10_NR_S	Sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded