

Project Name: BRUCEDALE/LADYSMITH/GRIGGWARD - Soil Landscape Modelling
Project Code: Wagga_SLM **Site ID:** BD2 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	McKane, Dermot	Locality:	
Date Desc.:	15/07/93	Elevation:	230 metres
Map Ref.:	Sheet No. : 8327 1:25000	Rainfall:	No Data
Northing/Long.:	6126210 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	536010 Datum: AGD66	Drainage:	No Data

Geology

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

Land Form

Rel/Slope Class:	No Data	Pattern Type:	No Data
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	6 %	Aspect:	315 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Sodic Eutrophic Yellow Dermosol Medium Non-gravelly Clay-loamy Clayey Deep		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	N/A
Confidence level not specified			

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.12 m	Strong brown (7.5YR4/6-Moist); ; Light clay; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Very weak consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Field pH 6 (pH meter); Common, very fine (0-1mm) roots; Gradual change to -
B1	0.12 - 0.7 m	Yellowish red (5YR4/8-Moist); ; Light clay; Weak grade of structure, 2-5 mm, Subangular blocky; Rough-ped fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Weak consistence; 0-2%, fine gravelly, 2-6mm, subrounded, coarse fragments; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Field pH 6 (pH meter); Few, very fine (0-1mm) roots; Gradual change to -
B21	0.7 - 1.2 m	Brownish yellow (10YR6/6-Moist); Mottles, 2-10% , Faint; Medium clay; Moderate grade of structure, 2-5 mm, Subangular blocky; Smooth-ped fabric; Dry; Firm consistence; 2-10%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Field pH 7 (pH meter);

Morphological Notes

B1	Heavy hand stain, very gritty.
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Observation Notes

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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 - 0.12	5.25A	0.036A	0.82J	0.73	0.51	0.09		3.9I		2.31
0.12 - 0.7	6.57A	0.034A	2.7J	2.6	0.64	0.18		5.8I		3.10
0.7 - 1.2	8.13A	0.059A	6J	5.9	0.99	1.5		17.3I		8.67

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 - 0.12		0.93C							19.2I		9.6	71.2
0.12 - 0.7		0.27C							30.2I		6.8	63
0.7 - 1.2		0.25C							62.9I		6.8	30.3

[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