

Project Name: BRUCEDALE/LADYSMITH/GRIGGWARD - Soil Landscape Modelling
Project Code: Wagga_SLM **Site ID:** LS51 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	McKane, Dermot	Locality:	
Date Desc.:	15/07/93	Elevation:	227 metres
Map Ref.:	Sheet No. : 8427 DGPS	Rainfall:	No Data
Northing/Long.:	6101063 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	546866 Datum: AGD66	Drainage:	Imperfectly drained

Geology

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

Land Form

Rel/Slope Class:	No Data	Pattern Type:	No Data
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	5 %	Aspect:	270 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Bleached-Mottled Mesotrophic Red Dermosol Thin Non-gravelly 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 - 0.09 m	Dark reddish brown (5YR3/4-Moist); ; Fine sandy loam; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Weak consistence; 0-2%, fine gravelly, 2-6mm, subangular, dispersed, Quartz, coarse fragments; 0-2%, fine gravelly, 2-6mm, subangular platy, dispersed, coarse fragments; Field pH 6.5 (Raupach); Few, very fine (0-1mm) roots;
A2	0.09 - 0.34 m	Yellowish red (5YR5/6-Moist); Pink (5YR8/3-Dry); ; Fine sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; 10-20%, fine gravelly, 2-6mm, subangular platy, dispersed, coarse fragments; Field pH 5.5 (Raupach);
B21	0.34 - 0.92 m	Yellowish red (5YR5/8-Moist); Mottles, 10-20% , Distinct; Light medium clay; Moderate grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Dry; Very firm consistence; Field pH 7 (Raupach);
R	0.92 - 1.03 m	Rock

Morphological Notes

Observation Notes

Site Notes

B. MILLER, CASEBROOK

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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 - 0.09	4.56A	0.086A	0.62J	0.11	0.44	0.03		4.4I		0.68
0.09 - 0.34	4.88A	0.027A	0.19J	0.02	0.12	0.03		2.4I		1.25
0.34 - 0.92	6.97A	0.028A	5.5J	6.4	0.39	0.16		12.8I		1.25

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 - 0.09		1.82C							82I		4	14
0.09 - 0.34		0.26C							73I		3	24
0.34 - 0.92		0.12C							44I		12	44

[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