

Project Name: BRUCEDALE/LADYSMITH/GRIGGWARD - Soil Landscape Modelling
Project Code: Wagga_SLM **Site ID:** LS52 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	McKane, Dermot	Locality:	
Date Desc.:	15/07/93	Elevation:	335 metres
Map Ref.:	Sheet No. : 8427 DGPS	Rainfall:	No Data
Northing/Long.:	6101596 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	551166 Datum: AGD66	Drainage:	Imperfectly 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:	Ridge	Relief:	No Data
Elem. Type:	Hillcrest	Slope Category:	No Data
Slope:	2 %	Aspect:	270 degrees

Surface Soil Condition (dry): Soft

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Bleached Class Undetermined Red Dermosol Thin Slightly gravelly Loamy Clayey Deep		Principal Profile Form:	N/A
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 - 0.08 m	Dark grey (7.5YR4/1-Moist); ; Loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; 2-10%, fine gravelly, 2-6mm, subangular platy, dispersed, Siltstone, coarse fragments; Field pH 5.5 (Raupach); Common, very fine (0-1mm) roots;
A2	0.08 - 0.34 m	Reddish yellow (5YR6/6-Moist); ; Clay loam; Massive grade of structure; Earthy fabric; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; 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;
B21	0.034 - 0.64 m	Red (2.5YR4/8-Moist); ; Light clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Few (<1 per 100mm2) Fine (1-2mm) macropores, Dry; Very firm consistence; Many cutans, >50% of ped faces or walls coated; Field pH 5.5 (Raupach);
BC	0.64 - 0.79 m	Yellowish red (5YR4/6-Moist); ; Light clay; Massive grade of structure; Earthy fabric; Dry; Firm consistence; 50-90%, stony, 200-600mm, angular tabular, dispersed, Siltstone, coarse fragments; Field pH 6 (Raupach);
R	0.79 - 1.05 m	Rock

Morphological Notes

A1 Hydrophobic.

Observation Notes

Site Notes

S.STRONG, KUANA

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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 - 0.08	5.48A	0.04A	1.9J	0.99	0.84	0.13		8I		1.63
0.08 - 0.34	5.11A	0.025A	0.32J	1	0.15	0.04		4.7I		0.85
0.034 - 0.64	5.54A	0.025A	0.15J	6.1	0.34	0.26		10.4I		2.50
0.64 - 0.79	6.19A	0.034A	0.06J	8.5	0.26	0.58		10.6I		5.47

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Particle CS	Size FS	Analysis Silt	Analysis Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.08		2.59C							66l		17	17
0.08 - 0.34		0.49C							56l		15	29
0.034 - 0.64		0.41C							50l		12	38
0.64 - 0.79		0.16C							50l		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