Project Name: **BRUCEDALE/LADYSMITH/GRIGGWARD - Soil Landscape Modelling**
Project Code: **Wagga_SLM** **Site ID:** **LS26** **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 DGPS	**Rainfall:**	No Data
Northing/Long.:	6108567 AMG zone: 55	**Runoff:**	Moderately rapid
Easting/Lat.:	544437 Datum: AGD66	**Drainage:**	Moderately well drained

Geology

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

Land Form

Rel/Slope Class:	No Data	**Pattern Type:**	No Data
Morph. Type:	Upper-slope	**Relief:**	No Data
Elem. Type:	Hillslope	**Slope Category:**	No Data
Slope:	8 %	**Aspect:**	0 degrees

Surface Soil Condition (dry):   Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	**Mapping Unit:**	N/A
Haplic Mesotrophic Red Kandosol Thin Slightly gravelly Loamy Clayey Moderately deep	**Principal Profile Form:**	N/A
ASC Confidence:	**Great Soil Group:**	N/A
Confidence level not specified		

Site Disturbance: Limited clearing, for example selective logging

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.08 m	Brown (7.5YR4/4-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Weak consistence; 2-10%, fine gravelly, 2-6mm, subangular, dispersed, coarse fragments; Field pH 5.5 (Raupach); Few, very fine (0-1mm) roots;
A2	0.08 - 0.27 m	Reddish brown (5YR5/4-Moist); ; Coarse sandy clay; Massive grade of structure; Earthy fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Weak consistence; 50-90%, coarse gravelly, 20-60mm, subangular, dispersed, coarse fragments; Field pH 6 (Raupach); Few, very fine (0-1mm) roots;
B21	0.27 - 0.53 m	Yellowish red (5YR5/8-Moist); ; Light clay; Massive grade of structure; Earthy fabric; Few (<1 per 100mm2) Fine (1-2mm) macropores, Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Firm consistence; 50-90%, fine gravelly, 2-6mm, subangular, dispersed, coarse fragments; Field pH 6 (Raupach);
R	0.53 - 0.6 m	Rock

Morphological Notes

Observation Notes

Site Notes

J. MOORE, BROOKSIDE

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Cations Mg	K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.08	5.32A	0.056A	1.2J	0.47	0.81	0.02		5.5I		0.36
0.08 - 0.27	5.54A	0.053A	1.4J	0.82	0.4	0		3.7I		0.00
0.27 - 0.53	6.24A	0.028A	2.1J	3.4	0.74	0.02		8I		0.25

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	GV	Particle Size CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.08		1.4C							82I		4	14
0.08 - 0.27		0.42C							64I		1	35
0.27 - 0.53		0.27C							50I		12	38

Depth	COLE	Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar	K sat	K unsat
m					g/g - m3/m3				mm/h	mm/h
0 - 0.08										
0.08 - 0.27										
0.27 - 0.53										

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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