Project Name: **BRUCEDALE/LADYSMITH/GRIGGWARD - Soil Landscape Modelling**
Project Code: **Wagga_SLM** **Site ID:** **LS25** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (ACT)**

Site Information

Desc. By:	McKane, Dermot	**Locality:**	
Date Desc.:	15/07/93	**Elevation:**	226 metres
Map Ref.:	Sheet No. : 8427 DGPS	**Rainfall:**	No Data
Northing/Long.:	6107507 AMG zone: 55	**Runoff:**	Moderately rapid
Easting/Lat.:	547502 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:	No Data	**Relief:**	No Data
Elem. Type:	No Data	**Slope Category:**	No Data
Slope:	10 %	**Aspect:**	315 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
N/A
ASC Confidence:
Confidence level not specified

Mapping Unit: N/A
Principal Profile Form: N/A
Great Soil Group: N/A

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.1 m	Brown (7.5YR4/4-Moist); ; Coarse sandy clay loam; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Very weak consistence; 20-50%, fine gravelly, 2-6mm, subangular platy, dispersed, coarse fragments; Field pH 6.5 (Raupach); Few, very fine (0-1mm) roots;
C	0.1 - 0.25 m	Yellowish red (5YR3/6-Moist); ; Clay loam; 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; Weak consistence; Field pH 6.5 (Raupach); Few, very fine (0-1mm) roots;
2B21	0.25 - 0.66 m	Red (2.5YR4/6-Moist); ; Light clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Firm consistence; 20-50%, medium gravelly, 6-20mm, subangular, dispersed, coarse fragments; Field pH 6 (Raupach);
2C	0.66 - 0.85 m	Red (2.5YR5/8-Moist); ; Light clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Firm consistence; 10-20%, coarse gravelly, 20-60mm, subangular platy, dispersed, coarse fragments; Field pH 7 (Raupach);
R	0.85 - 1 m	Rock

Morphological Notes

Observation Notes

Site Notes

J. PATTISON, COLORADO

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity			
m		dS/m	Cmol (+)/kg							%
0 - 0.1	6.61A	0.098A	9J	2.8	0.85	0		13.1I		0.00
0.1 - 0.25	6.05A	0.042A	5.3J	2.9	0.96	0.09		11.3I		0.80
0.25 - 0.66	6.26A	0.06A	4.1J	1.6	0.66	0.01		7.6I		0.13
0.66 - 0.85	6.9A	0.031A	3.4J	4.6	0.36	0.12		9.6I		1.25

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis				
								GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.1		2.34C							73I		3	24
0.1 - 0.25		0.41C							56I		15	29
0.25 - 0.66		0.77C							50I		12	38
0.66 - 0.85		0.17C							50I		12	38

Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m		g/g - m3/m3							mm/h	mm/h
0 - 0.1										
0.1 - 0.25										
0.25 - 0.66										
0.66 - 0.85										

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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