Project Name: **BRUCEDALE/LADYSMITH/GRIGGWARD - Soil Landscape Modelling**
Project Code: **Wagga_SLM** **Site ID:** **LS23** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (ACT)**

Site Information

Desc. By:	McKane, Dermot	**Locality:**	
Date Desc.:	15/07/93	**Elevation:**	250 metres
Map Ref.:	Sheet No. : 8327 DGPS	**Rainfall:**	No Data
Northing/Long.:	6100971 AMG zone: 55	**Runoff:**	Moderately rapid
Easting/Lat.:	542193 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:	7 %	**Aspect:**	90 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
Haplic Mesotrophic Red Kandosol Medium Slightly gravelly Clay-loamy Clayey Very deep

Mapping Unit: N/A
Principal Profile Form: N/A

ASC Confidence:
Confidence level not specified

Great Soil Group: N/A

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.13 m	Yellowish red (5YR4/6-Moist); ; Clay loam; Massive grade of structure; Earthy fabric; Few (<1 per 100mm2) Medium (2-5mm) macropores, Common (1-5 per 100mm2) Fine (1-2mm) macropores, Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Weak consistence; 2-10%, coarse gravelly, 20-60mm, subangular platy, dispersed, coarse fragments; Field pH 5 (Raupach); Few, very fine (0-1mm) roots;
B2	0.13 - 0.44 m	Red (2.5YR4/8-Moist); ; Light clay; 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; Weak consistence; 10-20%, medium gravelly, 6-20mm, subangular platy, dispersed, coarse fragments; Field pH 5.5 (Raupach);
C	0.44 - 0.6 m	Red (2.5YR4/8-Moist); ; Light medium clay; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Weak consistence; 20-50%, medium gravelly, 6-20mm, subangular, dispersed, Quartz, coarse fragments; 20-50%, fine gravelly, 2-6mm, subangular platy, dispersed, coarse fragments; Field pH 6 (Raupach);
R	0.6 - 1 m	Rock

Morphological Notes

Observation Notes

Site Notes

A. KENNEDY, ST. OMER

Project Name: BRUCEDALE/LADYSMITH/GRIGGWARD - Soil Landscape Modelling
Project Code: Wagga_SLM **Site ID:** LS23 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

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 - 0.13	4.74A	0.067A	0.6J	0.18	0.18	0.03		5.8I		0.52
0.13 - 0.44	5.63A	0.035A	4.9J	2.3	0.17	0.04		9.9I		0.40
0.44 - 0.6	6.11A	0.028A	4.5J	3.3	0.15	0.02		9.8I		0.20

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 - 0.13		1.26C							56I		15	29
0.13 - 0.44		0.28C							50I		12	38
0.44 - 0.6		0.22C							44I		12	44

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 - 0.13										
0.13 - 0.44										
0.44 - 0.6										

Project Name: **BRUCEDALE/LADYSMITH/GRIGGWARD - Soil Landscape Modelling**
Project Code: **Wagga_SLM** **Site ID:** **LS23** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (ACT)**

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