Project Name: **BRUCEDALE/LADYSMITH/GRIGGWARD - Soil Landscape Modelling**
Project Code: **Wagga_SLM** **Site ID:** **BD69** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (ACT)**

Site Information

Desc. By: McKane, Dermot
Date Desc.: 15/07/93
Map Ref.: Sheet No. : 8327 1:25000
Northing/Long.: 6121150 AMG zone: 55
Easting/Lat.: 533710 Datum: AGD66
Locality:
Elevation: 226 metres
Rainfall: No Data
Runoff: No Data
Drainage: No Data

Geology

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

Land Form

Rel/Slope Class: No Data
Morph. Type: No Data
Elem. Type: No Data
Slope: 2 %
Pattern Type: No Data
Relief: No Data
Slope Category: No Data
Aspect: 225 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
Mottled Eutrophic Brown Dermosol Medium Non-gravelly Loamy Clayey Very deep

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 - 0.17 m	Dark brown (7.5YR3/4-Moist); ; Loam; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Firm consistence; Common, very fine (0-1mm) roots; Few, fine (1-2mm) roots; Clear, Smooth change to -
B1	0.17 - 0.5 m	Yellowish red (5YR3/6-Moist); ; Light clay; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Firm consistence; 2-10%, fine gravelly, 2-6mm, subrounded, dispersed, coarse fragments; Few, fine (1-2mm) roots; Diffuse, Smooth
B21	0.5 - 0.83 m	Yellowish brown (10YR5/8-Moist); Mottles, 2-10% , Faint; Mottles, 2-10% , Faint; Light clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Dry; Firm consistence; 0-2%, subrounded, dispersed, Quartz, coarse fragments; 2-10%, subrounded, dispersed, coarse fragments; Few, fine (1-2mm) roots; Clear, Smooth change to -
B22	0.83 - 1.7 m	Yellow (10YR7/6-Moist); Mottles, 2-10% , Faint; Mottles, 2-10% , Faint; Light medium clay; Strong grade of structure, 10-20 mm, Platy; Smooth-ped fabric; Dry; Firm consistence; 2-10%, subrounded, dispersed, coarse fragments; Few (2 - 10 %), Manganiferous, Fine (0 - 2 mm), Fragments, weak, segregations;

Morphological Notes

Observation Notes

Site Notes

Project Name: BRUCEDALE/LADYSMITH/GRIGGWARD - Soil Landscape Modelling
Project Code: Wagga_SLM **Site ID:** BD69 **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 - 0.17	5.75A	0.052A	4.1J	1	0.78	0.04		8I		0.50
0.17 - 0.5	6.52A	0.014A	3.7J	1.7	0.43	0.06		7.3I		0.82
0.5 - 0.83	6.83A	0.035A	4.2J	4.3	0.66	0.34		11I		3.09
0.83 - 1.7	8.65A	0.041A	5J	6.9	0.79	1.2		13.6I		8.82

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 - 0.17		1.4C							26.7I		22.3	51
0.17 - 0.5		0.3C							39.4I		17.9	42.7
0.5 - 0.83		0.17C							52.2I		16.3	31.5
0.83 - 1.7		0.1C							49I		15.4	35.6

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 - 0.17										
0.17 - 0.5										
0.5 - 0.83										
0.83 - 1.7										

Project Name: **BRUCEDALE/LADYSMITH/GRIGGWARD - Soil Landscape Modelling**
Project Code: **Wagga_SLM** **Site ID:** **BD69** **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