

Project Name: BRUCEDALE/LADYSMITH/GRIGGWARD - Soil Landscape Modelling
Project Code: Wagga_SLM **Site ID:** BD33 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	McKane, Dermot	Locality:	
Date Desc.:	15/07/93	Elevation:	241 metres
Map Ref.:	Sheet No. : 8327 1:25000	Rainfall:	No Data
Northing/Long.:	6126397 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	536378 Datum: AGD66	Drainage:	No Data

Geology

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

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:	5 %	Aspect:	0 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Mottled Eutrophic Brown Dermosol Medium Non-gravelly Loamy Clayey Very deep		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	N/A
Confidence level not specified			

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.11 m	Dark reddish brown (5YR3/4-Moist); ; Coarse sandy loam; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Weak consistence; 0-2%, fine gravelly, 2-6mm, subangular, dispersed, Quartz, coarse fragments; Few, very fine (0-1mm) roots; Clear change to -
B1	0.11 - 0.57 m	Red (2.5YR4/8-Moist); ; Light clay; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Few (<1 per 100mm2) Fine (1-2mm) macropores, Very weak consistence; 0-2%, fine gravelly, 2-6mm, subangular, dispersed, Quartz, coarse fragments; Few, very fine (0-1mm) roots; Clear change to -
B21	0.57 - 1.47 m	Yellowish brown (10YR5/8-Moist); Mottles, 2-10% , Faint; Mottles, 2-10% , Faint; Light medium clay; Strong grade of structure, 5-10 mm, Platy; Smooth-ped fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Firm consistence; 0-2%, fine gravelly, 2-6mm, subangular, dispersed, Quartz, coarse fragments; 0-2%, fine gravelly, 2-6mm, subangular, dispersed, coarse fragments; Few (2 - 10 %), Manganiferous, , ; Clear change to -
B22	1.47 - 1.85 m	Yellowish red (5YR5/8-Moist); Mottles, 2-10% , Faint; Mottles, 2-10% , Faint; Light clay; Strong grade of structure, <2 mm, Subangular blocky; Smooth-ped fabric; Firm consistence; 0-2%, fine gravelly, 2-6mm, subrounded, dispersed, coarse fragments; Common cutans, 10-50% of ped faces or walls coated; Common (10 - 20 %), Manganiferous, , ;

Morphological Notes

Observation Notes

Site Notes

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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				Comol (+)/kg				%
0 - 0.11	4.9A	0.064A	1.2J	0.3	0.8	0		5.9I		0.00
0.11 - 0.57	6.18A	0.034A	3.1J	0.99	0.62	0		6.4I		0.00
0.57 - 1.47	7.86A	0.035A	4.3J	4.6	0.64	0.48		11.7I		4.10
1.47 - 1.85	8.81A	0.062A	6.2J	6.7	0.86	1.1		15I		7.33

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 - 0.11		1.23C							31.4I		10.8	57.8
0.11 - 0.57		0.28C							36.1I		13.7	50.2
0.57 - 1.47		0.1C							55.9I		9.6	34.5
1.47 - 1.85		0.07C							55.9I		11.2	32.9

[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