

Project Name: BRUCEDALE/LADYSMITH/GRIGGWARD - Soil Landscape Modelling
Project Code: Wagga_SLM **Site ID:** BD30 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	McKane, Dermot	Locality:	
Date Desc.:	15/07/93	Elevation:	294 metres
Map Ref.:	Sheet No. : 8327 DGPS	Rainfall:	No Data
Northing/Long.:	6125493 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	541482 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:	135 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Mottled Eutrophic Red 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 (5YR3/3-Moist); ; Loam; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Very weak consistence; 0-2%, fine gravelly, 2-6mm, subrounded tabular, dispersed, coarse fragments; Common, very fine (0-1mm) roots; Clear change to -
B1	0.11 - 0.9 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, Weak consistence; 0-2%, fine gravelly, 2-6mm, subrounded tabular, dispersed, Quartz, coarse fragments; Few, very fine (0-1mm) roots; Clear change to -
B21	0.9 - 1.47 m	Red (2.5YR4/7-Moist); Mottles, 2-10% , Faint; Mottles, 2-10% , Faint; Light medium clay; Strong grade of structure, 2-5 mm, Subangular blocky; Smooth-ped fabric; Very firm consistence; 0-2%, fine gravelly, 2-6mm, subrounded tabular, dispersed, Quartz, coarse fragments; Common cutans, 10-50% of ped faces or walls coated; Clear change to -
B22	1.47 - 2.1 m	Red (2.5YR4/6-Moist); Mottles, 2-10% , Faint; Light medium clay; Strong grade of structure, 2-5 mm, Subangular blocky; Smooth-ped fabric; Very firm consistence; 0-2%, fine gravelly, 2-6mm, subrounded tabular, dispersed, Quartz, coarse fragments; 0-2%, medium gravelly, 6-20mm, subrounded tabular, dispersed, coarse fragments; Common cutans, 10-50% of ped faces or walls coated;

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Ca	Exchangeable Mg	Cations K	Exchangeable Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.11	5.39A	0.089A	3J	0.62	0.91	0		7.4I		0.00
0.11 - 0.9	7.63A	0.054A	8.8J	2.2	0.43	0.05		11.4I		0.44
0.9 - 1.47	6.16A	0.057A	5.9J	3.7	0.49	0.1		12.7I		0.79
1.47 - 2.1	7.16A	0.029A	8.6J	5.4	0.6	0.51		16.3I		3.13

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.11		2.16C							31.71		13.8	54.5
0.11 - 0.9		0.27C							50.51		15	34.5
0.9 - 1.47		0.2C							60.11		10.8	29.1
1.47 - 2.1		0.08C							65.81		7.6	26.6

[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