

Project Name: BRUCEDALE/LADYSMITH/GRIGGWARD - Soil Landscape Modelling
Project Code: Wagga_SLM **Site ID:** BD75 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	McKane, Dermot	Locality:	
Date Desc.:	15/07/93	Elevation:	259 metres
Map Ref.:	Sheet No. : 8327 DGPS	Rainfall:	No Data
Northing/Long.:	6124814 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	542365 Datum: AGD66	Drainage:	Imperfectly drained

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:	1 %	Aspect:	180 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Sodic Eutrophic Yellow 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 - 0.14 m	Dark reddish brown (5YR3/3-Moist); ; Coarse sandy clay loam; Massive grade of structure; Earthy fabric; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Common (1-5 per 100mm2) Fine (1-2mm) macropores, Firm consistence; 0-2%, fine gravelly, 2-6mm, subrounded, dispersed, coarse fragments; Many, very fine (0-1mm) roots; Common, fine (1-2mm) roots; Clear change to -
B1	0.14 - 0.65 m	Red (2.5YR4/8-Moist); ; Light clay; Massive grade of structure; Earthy fabric; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Common (1-5 per 100mm2) Fine (1-2mm) macropores, Weak consistence; 0-2%, fine gravelly, 2-6mm, subangular, dispersed, Quartz, coarse fragments; 0-2%, fine gravelly, 2-6mm, subangular, dispersed, coarse fragments; Common, very fine (0-1mm) roots; Clear change to -
B21	0.65 - 1.56 m	Brownish yellow (10YR6/8-Moist); Mottles, 10-20% , Distinct; Mottles, 10-20% , Distinct; Light clay; Strong grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Very firm consistence; 2-10%, fine gravelly, 2-6mm, subangular, dispersed, Quartz, coarse fragments; 2-10%, fine gravelly, 2-6mm, subangular, dispersed, coarse fragments; Common cutans, 10-50% of ped faces or walls coated; Many (20 - 50 %), Manganiferous, , ; Clear change to -
BC	1.56 - 2 m	Reddish yellow (7.5YR6/6-Moist); Mottles, 20-50% , Distinct; Mottles, 10-20% , Distinct; Medium sandy medium clay; Strong grade of structure, 2-5 mm, Subangular blocky; Smooth-ped fabric; Firm consistence; 20-50%, fine gravelly, 2-6mm, subangular, dispersed, Quartz, coarse fragments; 20-50%, fine gravelly, 2-6mm, subrounded, dispersed, coarse fragments; 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				cmol (+)/kg				%
0 - 0.14	5.55A	0.056A	3.1J	0.78	1.2	0.05		7.9I		0.63
0.14 - 0.65	6.39A	0.022A	4.6J	3.9	0.52	0.07		10.5I		0.67
0.65 - 1.56	7.26A	0.057A	6.6J	8.3	1.2	0.35		17.2I		2.03
1.56 - 2	7.97A	0.048A	8.2J	10.8	0.96	0.54		20.3I		2.66

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle	Size	Analysis
m	%	C	P	P	N	K	Density	GV	CS	Silt
		%	mg/kg	%	%	%	Mg/m3		FS	Clay
									%	
0 - 0.14		1.61C						29.7I		15.4
0.14 - 0.65		0.37C						57.3I		8.4
0.65 - 1.56		0.11C						66.5I		9.1
1.56 - 2		0.17C						46.9I		9.5

[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