

Project Name: BRUCEDALE/LADYSMITH/GRIGGWARD - Soil Landscape Modelling
Project Code: Wagga_SLM **Site ID:** LS3 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	McKane, Dermot	Locality:	
Date Desc.:	15/07/93	Elevation:	280 metres
Map Ref.:	Sheet No. : 8427 DGPS	Rainfall:	No Data
Northing/Long.:	6106500 AMG zone: 55	Runoff:	Very rapid
Easting/Lat.:	548741 Datum: AGD66	Drainage:	Well drained

Geology

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

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:	18 %	Aspect:	135 degrees

Surface Soil Condition (dry): Soft

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Palic Paralithic Leptic Tenosol Thin Slightly gravelly Loamy Shallow		Principal Profile Form:	N/A

ASC Confidence:		Great Soil Group:	N/A
Confidence level not specified			

Site Disturbance: Limited clearing, for example selective logging

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.07 m	Dark brown (7.5YR3/3-Moist); ; Sandy loam; Weak grade of structure, <2 mm, Granular; Rough-ped fabric; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Very weak consistence; 2-10%, fine gravelly, 2-6mm, subangular platy, dispersed, coarse fragments; Field pH 6 (Raupach); Common, very fine (0-1mm) roots; Abrupt change to -
A2	0.07 - 0.33 m	Light brown (7.5YR6/4-Moist); Pinkish yellow (7.5YR8/2-Dry); Mottles, 20-50% , Distinct; Medium sandy clay loam; Weak grade of structure, <2 mm, Granular; Rough-ped fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Weak consistence; 10-20%, medium gravelly, 6-20mm, subangular platy, dispersed, coarse fragments; Field pH 6 (Raupach); Few, very fine (0-1mm) roots; Gradual change to -
C	0.33 - 0.8 m	Red (2.5YR4/8-Moist); ; Light clay; Weak grade of structure, 5-10 mm, Platy; Smooth-ped fabric; Dry; Weak consistence; 20-50%, coarse gravelly, 20-60mm, subangular, dispersed, Quartz, coarse fragments; 10-20%, medium gravelly, 6-20mm, subangular platy, dispersed, coarse fragments; Field pH 6 (Raupach);

Morphological Notes

A1 Hydrophobic.

Observation Notes

Site Notes

HOREWOOD, COOLUMBA

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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 - 0.07	5.49A	0.094A	1.7J	0.76	0.53	0		4.7I		0.00
0.07 - 0.33	5.59A	0.034A	1J	0.89	0.12	0.07		3.4I		2.06
0.33 - 0.8	6.61A	0.023A	1.1J	2.1	0.19	0.16		5I		3.20

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size		Analysis	
m	%	%	mg/kg	%	%	%	Mg/m3	GV	CS	FS	Silt Clay
0 - 0.07		2.66C							82I		4 14
0.07 - 0.33		0.36C							23I		44 33
0.33 - 0.8		0.1C							50I		12 38

[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