

Project Name: BRUCEDALE/LADYSMITH/GRIGGWARD - Soil Landscape Modelling
Project Code: Wagga_SLM **Site ID:** LS7 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	McKane, Dermot	Locality:	
Date Desc.:	15/07/93	Elevation:	229 metres
Map Ref.:	Sheet No. : 8327 DGPS	Rainfall:	No Data
Northing/Long.:	6104100 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	545497 Datum: AGD66	Drainage:	Moderately well drained

Geology

ExposureType:	Undisturbed soil core	Conf. Sub. is Parent. Mat.:	No Data
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:	11 %	Aspect:	180 degrees

Surface Soil Condition (dry): Soft

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Palic Paralithic Leptic Tenosol Thin Gravelly Loamy Very 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 - 0.05 m	Dark brown (7.5YR3/4-Moist); ; Sandy loam; Weak grade of structure, 2-5 mm, Granular; Smooth-ped fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Few (<1 per 100mm2) Fine (1-2mm) macropores, Dry; Weak consistence; 10-20%, fine gravelly, 2-6mm, subangular platy, dispersed, coarse fragments; Field pH 4.5 (Raupach); Common, very fine (0-1mm) roots;
A2	0.05 - 0.19 m	Dark brown (7.5YR3/4-Moist); ; Sandy loam; Weak grade of structure, <2 mm, Granular; Smooth-ped fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Weak consistence; 10-20%, fine gravelly, 2-6mm, subangular platy, dispersed, coarse fragments; Field pH 4.5 (Raupach); Few, very fine (0-1mm) roots;
C	0.19 - 0.5 m	Yellowish red (5YR4/6-Moist); ; Clay loam, sandy; Weak grade of structure, <2 mm, Granular; Smooth-ped fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Weak consistence; 20-50%, fine gravelly, 2-6mm, subangular platy, dispersed, coarse fragments; Field pH 6 (Raupach);
R	0.5 - 0.68 m	Rock

Morphological Notes

A2	Dilatency.
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Observation Notes

Site Notes

J. DUMARESQU, MONAVALÉ

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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 - 0.05	5.2A	0.276A	6.9J	1.8	2.1	0.24		15.6I		1.54
0.05 - 0.19	4.87A	0.217A	2.6J	0.59	0.45	0.04		7.9I		0.51
0.19 - 0.5	5.31A	0.047A	2.4J	0.9	0.43	0.06		7.5I		0.80

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 - 0.05		6.7C							82I		4	14
0.05 - 0.19		2.22C							82I		4	14
0.19 - 0.5		2.19C							60I		11	29

[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