

Project Name: BRUCEDALE/LADYSMITH/GRIGGWARD - Soil Landscape Modelling
Project Code: Wagga_SLM **Site ID:** LS17 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	McKane, Dermot	Locality:	
Date Desc.:	15/07/93	Elevation:	307 metres
Map Ref.:	Sheet No. : 8327 DGPS	Rainfall:	No Data
Northing/Long.:	6102112 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	540876 Datum: AGD66	Drainage:	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:	16 %	Aspect:	90 degrees

Surface Soil Condition (dry): Soft

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
N/A		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 - 0.04 m	Dark brown (7.5YR3/4-Moist); ; Coarse sandy clay loam; Weak grade of structure, 2-5 mm, Granular; Smooth-ped fabric; Common (1-5 per 100mm ²) Very fine (0.075-1mm) macropores, Dry; 2-10%, fine gravelly, 2-6mm, subangular platy, dispersed, coarse fragments; Few, very fine (0-1mm) roots; Sharp change to -
R	0.04 - 0.62 m	Rock

Morphological Notes

Observation Notes

Site Notes

T. SMITH, MOONEY VALLEY

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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 - 0.04	5.36A	0.113A	2.3J	1.1	0.94	0.12		6.7I		1.79

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	FS	Analysis Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.04		3.1C							73I		3	24

Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
m		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar	mm/h	mm/h
0 - 0.04					g/g -	m3/m3				

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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