Project Name:BRUCEDALE/LADYSMITH/GRIGGWARD - Soil Landscape ModellingProject Code:Wagga_SLMSite ID:LS63Observation ID:1Agency Name:CSIRO Division of Soils (ACT)

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Desc. I Date D Map Re	esc.: ef.: ng/Long.:	McKane, Dermot 15/07/93 Sheet No. : 8327 DGPS 6108307 AMG zone: 55 544058 Datum: AGD66	Locality: Elevation: Rainfall: Runoff: Drainage:	215 metre No Data Slow Moderate		ained			
<u>Geolo</u> Expos Geol. F	ureType:	Undisturbed soil core No Data	Conf. Sub. is Pare Substrate Material		No Data No Data				
	ope Class: . Type: Type:	No Data Mid-slope Hillslope 6 %	Pattern Type: Relief: Slope Category: Aspect:	No Data No Data No Data 270 degre	ees				
<u>Surfac</u> Erosic		ndition (dry): Soft							
	lassificatio	on							
Austra Bleach	lian Soil Cla	assification: ⁄ellow Chromosol Medium Non-gra		ng Unit: pal Profile	Form:	N/A N/A			
ASC C	Confidence: lence level n			Soil Group		N/A			
Veget		c. complete cleaning. I asture, nat			nic stage				
		Fragments:							
	e Morpholo						_		
A1	0 - 0.14 m	(1-5 per 100mm2) Very fin gravelly, 2-6mm, subangula	Brown (7.5YR4/4-Moist); ; Fine sandy loam; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Weak consistence; 0-2%, fine gravelly, 2-6mm, subangular platy, dispersed, Siltstone, coarse fragments; Field pH 6 (Raupach); Common, very fine (0-1mm) roots;						
A2	0.14 - 0.2	structure; Earthy fabric; Cor Common (1-5 per 100mm2) gravelly, 2-6mm, subangula	Strong brown (7.5YR5/6-Moist); Pink (7.5YR8/4-Dry); ; Fine sandy loam; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Weak consistence; 0-2%, fine gravelly, 2-6mm, subangular platy, dispersed, Siltstone, coarse fragments; Field pH 6.5 (Raupach); Common, very fine (0-1mm) roots;						
B21	0.27 - 0.6	ped fabric; Dry; Weak consi	Brownish yellow (10YR6/8-Moist); ; Light clay; Weak grade of structure, 2-5 mm, Platy; Smooth- ped fabric; Dry; Weak consistence; 2-10%, fine gravelly, 2-6mm, subangular platy, dispersed, Siltstone, coarse fragments; Field pH 6.5 (Raupach); Common, very fine (0-1mm) roots;						
B22	0.65 - 2 m	clay; Moderate grade of sti firm consistence; Many cut	Yellowish brown (10YR5/6-Moist); Mottles, 10-20%, Prominent; Mottles, 10-20%, Distinct; Light clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Very firm consistence; Many cutans, >50% of ped faces or walls coated; Common (10 - 20 %), Manganiferous, , ; Field pH 7 (Raupach);						
	nological Not								

Site Notes

Project Name: Project Code: Agency Name: BRUCEDALE/LADYSMITH/GRIGGWARD - Soil Landscape Modelling Wagga_SLM Site ID: LS63 Observation ID: 1 Wagga_SLM Site ID: LS63 CSIRO Division of Soils (ACT)

Laboratory Test Results:

Depth	рН	1:5 EC		hangeable Ng	e Cations K	E Na	Exchangeable Acidity	CEC		ECEC		ESP
m		dS/m		5		Cmol (+)						%
0 - 0.14 0.14 - 0.27 0.27 - 0.65 0.65 - 2	5.55A 6.12A 6.39A 7.78A	0.038A 0.015A 0.026A 0.046A	2.5J 1.4J 4.8J 7.3J	0.32 0.33 3.3 8	0.19 0.13 0.37 0.84	0.04 0.01 0.13 0.92		5.3I 5.7I 10.1 17.1	I			0.75 0.18 1.29 5.38
Depth	CaCO3	Organic	Avail.	Total	Total	0.92 Total	Bulk		article	Size	Analys	
m	%	C %	P mg/kg	P %	N %	K %	Density Mg/m3	GV	CS	FS %	Silt	Clay
0 - 0.14 0.14 - 0.27 0.27 - 0.65 0.65 - 2		1.08C 0.18C 0.21C 0.13C							821 821 501 501		4 4 12 12	
Depth m	COLE	Sat.	Grav 0.05 Bar	0.1 Bar	olumetric V 0.5 Bar /g - m3/m	1 Bar	tents 5 Bar 15 I	Bar	K s mm		K unsa mm/h	
0 - 0.14												

0.14 - 0.27 0.27 - 0.65 0.65 - 2

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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 15F1_MG Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
- Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
- Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts CEC by 0.01M silver-thiourea (AgTU)+ 15F1_NA 15F3
- 15L1 Base saturation percentage (BSP)
- 15N1 Exchangeable sodium percentage (ESP)
- EC of 1:5 soil/water extract 3A1
- 4A1 pH of 1:5 soil/water suspension
- 6B3 Total organic carbon - high frequency induction furnace, infrared
- Clay (%) Not recorded Sand (%) Not recorded P10_NR_C
- P10_NR_S P10_NR_Z Silt (%) - Not recorded