Project Name:BRUCEDALE/LADYSMITH/GRIGGWARD - Soil Landscape ModellingProject Code:Wagga_SLMSite ID:BD21Observation ID:1Agency Name:CSIRO Division of Soils (ACT)

<u>mation</u>						
	AcKane, Dermot	Locality:	050			
	Balam AGDoo	Dramage.	NO Data			
	Indisturbed soil core	Conf Sub is Pare	nt Mat Prok	hahla		
	lo Dala	eusenate material				
	la Data	Pottorn Tuno	Piece			
	•					
			5 5 5			
sificatio	<u>n</u>					
Soil Cla	ssification:	Марріі	ng Unit:	N/A		
		gravelly Clay- Princip	al Profile Form	n: N/A		
ey Very o	leep					
idence:		Great	Soil Group:	N/A		
	•					
irbance	Extensive clearing, for examination of the exami	mple poisoning, ringbarkir	g			
<u>n:</u>						
Coarse F	Fragments:					
orpholo	gy					
- 0.1 m						
	Dark Diuwii (7.31K3/4-	Moist); ; Clay loam; Mass	ive grade of stru	cture; Earthy fabric; Many	(>5	
				ucture; Earthy fabric; Many ence; 0-2%, fine gravelly, 2		
	per 100mm2) Very fine 6mm, subangular, Qua	(0.075-1mm) macropores rtz, coarse fragments; Fie	s, Weak consiste		<u>2</u> -	
	per 100mm2) Very fine	(0.075-1mm) macropores rtz, coarse fragments; Fie	s, Weak consiste	ence; 0-2%, fine gravelly, 2	<u>2</u> -	
1 - 0 58 r	per 100mm2) Very fine 6mm, subangular, Qua 1mm) roots; Gradual, S	(0.075-1mm) macropores rtz, coarse fragments; Fie Smooth change to -	s, Weak consiste ld pH 5.5 (pH m	ence; 0-2%, fine gravelly, 2 leter); Common, very fine (<u>2</u> - (0-	
1 - 0.58 r	per 100mm2) Very fine 6mm, subangular, Qua 1mm) roots; Gradual, S n Yellowish red (5YR4/8-	(0.075-1mm) macropores rtz, coarse fragments; Fie Smooth change to - Moist); ; Light clay; Massi	s, Weak consiste ld pH 5.5 (pH m ve grade of stru	ence; 0-2%, fine gravelly, 2 leter); Common, very fine (cture; Earthy fabric; Comm	<u>2</u> - (0- non	
1 - 0.58 r	per 100mm2) Very fine 6mm, subangular, Qua 1mm) roots; Gradual, S n Yellowish red (5YR4/8- (1-5 per 100mm2) Very	(0.075-1mm) macropores rtz, coarse fragments; Fie Smooth change to - Moist); ; Light clay; Massi / fine (0.075-1mm) macrop	s, Weak consiste ld pH 5.5 (pH m ve grade of stru- pores, Weak cor	ence; 0-2%, fine gravelly, 2 leter); Common, very fine (cture; Earthy fabric; Comm nsistence; 0-2%, fine grave	2- (0- non elly,	
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58 - 0.79 79 - 1.5 r	per 100mm2) Very fine 6mm, subangular, Qua 1mm) roots; Gradual, S (1-5 per 100mm2) Very 2-6mm, subangular, Qu fragments; Field pH 6.5 M Yellowish brown (10YR Subangular blocky; Sm macropores, Firm cons fragments; 0-2%, fine g Gradual, Smooth chang n Brownish yellow (10YR Moderate grade of stru 100mm2) Very fine (0.0 subangular, Quartz, co fragments; Field pH 6.5 Brownish yellow (10YR	 (0.075-1mm) macropores rtz, coarse fragments; Fie Smooth change to - Moist); ; Light clay; Massi / fine (0.075-1mm) macropuartz, coarse fragments; 0 (pH meter); Few, very fir 85/8-Moist); ; Light medium nooth-ped fabric; Common istence; 0-2%, fine gravel gravelly, 2-6mm, subangul ge to - (6/8-Moist); Mottles, 2-10% cture, 2-5 mm, Subangula 075-1mm) macropores, Fi arse fragments; 0-2%, fine 5 (pH meter); Gradual, Sm (6/8-Moist); Mottles, 2-10% cture, 2-5 mm, Subangula 	s, Weak consiste Id pH 5.5 (pH m ve grade of stru- pores, Weak cor -2%, fine gravel e (0-1mm) roots n clay; Weak gra (1-5 per 100mr ly, 2-6mm, suba ar, coarse fragm 6 , Faint; Mottles r blocky; Smoot m consistence; e gravelly, 2-6m ooth change to 6 , Faint; Mottles r blocky; Smoot	ence; 0-2%, fine gravelly, 2 leter); Common, very fine (cture; Earthy fabric; Comm nsistence; 0-2%, fine grave Ily, 2-6mm, subangular, co s; Gradual, Smooth change ade of structure, 2-5 mm, n2) Very fine (0.075-1mm) ingular, Quartz, coarse nents; Field pH 6.5 (pH me s, 0-2%, Distinct; Medium th-ped fabric; Few (<1 per 0-2%, fine gravelly, 2-6mr m, subangular, coarse	2- (0- non elly, aarse e to - eter); clay; n, clay; ence;	
58 - 0.79 79 - 1.5 r	per 100mm2) Very fine 6mm, subangular, Qua 1mm) roots; Gradual, S (1-5 per 100mm2) Very 2-6mm, subangular, Qu fragments; Field pH 6.5 M Yellowish brown (10YR Subangular blocky; Sm macropores, Firm cons fragments; 0-2%, fine g Gradual, Smooth chang N Brownish yellow (10YR Moderate grade of stru 100mm2) Very fine (0.0 subangular, Quartz, co fragments; Field pH 6.5 Brownish yellow (10YR Moderate grade of stru 0-2%, fine gravelly, 2-6	 (0.075-1mm) macropores rtz, coarse fragments; Fie Smooth change to - Moist); ; Light clay; Massi / fine (0.075-1mm) macropuartz, coarse fragments; 0 (pH meter); Few, very fir 85/8-Moist); ; Light medium nooth-ped fabric; Common istence; 0-2%, fine gravel gravelly, 2-6mm, subangul ge to - (6/8-Moist); Mottles, 2-10% cture, 2-5 mm, Subangula 075-1mm) macropores, Fi arse fragments; 0-2%, fine 5 (pH meter); Gradual, Sm (6/8-Moist); Mottles, 2-10% cture, 2-5 mm, Subangula 	s, Weak consiste Id pH 5.5 (pH m ve grade of stru- pores, Weak cor -2%, fine gravel e (0-1mm) roots n clay; Weak gra (1-5 per 100mr ly, 2-6mm, suba ar, coarse fragm 6 , Faint; Mottles r blocky; Smoot rm consistence; e gravelly, 2-6m ooth change to 6 , Faint; Mottles r blocky; Smoot coarse fragmen	ence; 0-2%, fine gravelly, 2 leter); Common, very fine (cture; Earthy fabric; Comm nsistence; 0-2%, fine grave lly, 2-6mm, subangular, co s; Gradual, Smooth change ade of structure, 2-5 mm, n2) Very fine (0.075-1mm) angular, Quartz, coarse nents; Field pH 6.5 (pH me s, 0-2%, Distinct; Medium th-ped fabric; Few (<1 per 0-2%, fine gravelly, 2-6mr m, subangular, coarse - s, 0-2%, Distinct; Medium th-ped fabric; Firm consiste	2- (0- non elly, aarse e to - eter); clay; n, clay; ence;	
58 - 0.79 79 - 1.5 r	 per 100mm2) Very fine 6mm, subangular, Qua 1mm) roots; Gradual, S n Yellowish red (5YR4/8- (1-5 per 100mm2) Very 2-6mm, subangular, Qu fragments; Field pH 6.5 m Yellowish brown (10YR Subangular blocky; Sm macropores, Firm cons fragments; 0-2%, fine g Gradual, Smooth chang n Brownish yellow (10YR Moderate grade of stru 100mm2) Very fine (0.0 subangular, Quartz, co fragments; Field pH 6.5 Brownish yellow (10YR Moderate grade of stru 00mm2) Very fine (0.0 subangular, Quartz, co fragments; Field pH 6.5 Brownish yellow (10YR Moderate grade of stru 0-2%, fine gravelly, 2-6 subangular, coarse frag 	 (0.075-1mm) macropores rtz, coarse fragments; Fie Smooth change to - Moist); ; Light clay; Massi / fine (0.075-1mm) macropulartz, coarse fragments; 0 (pH meter); Few, very fir (5/8-Moist); ; Light medium tooth-ped fabric; Common tistence; 0-2%, fine gravel gravelly, 2-6mm, subangul ge to - (6/8-Moist); Mottles, 2-10% cture, 2-5 mm, Subangular 075-1mm) macropores, Fi arse fragments; 0-2%, fine 5 (pH meter); Gradual, Sm (6/8-Moist); Mottles, 2-10% cture, 2-5 mm, Subangular, Subangular, Quartz, Sm 	s, Weak consiste Id pH 5.5 (pH m ve grade of stru- pores, Weak cor -2%, fine gravel e (0-1mm) roots n clay; Weak gra (1-5 per 100mr ly, 2-6mm, suba ar, coarse fragm 6 , Faint; Mottles r blocky; Smoot rm consistence; e gravelly, 2-6m ooth change to 6 , Faint; Mottles r blocky; Smoot coarse fragmen	ence; 0-2%, fine gravelly, 2 leter); Common, very fine (cture; Earthy fabric; Comm nsistence; 0-2%, fine grave lly, 2-6mm, subangular, co s; Gradual, Smooth change ade of structure, 2-5 mm, n2) Very fine (0.075-1mm) angular, Quartz, coarse nents; Field pH 6.5 (pH me s, 0-2%, Distinct; Medium th-ped fabric; Few (<1 per 0-2%, fine gravelly, 2-6mr m, subangular, coarse - s, 0-2%, Distinct; Medium th-ped fabric; Firm consiste	2- (0- non elly, aarse e to - eter); clay; n, clay; ence;	
	: 1 Song.: 6 t.: 5 (ype: U M Class: N Class: N Class: N Soli Con Soil Con Soil Con Soil Clas Soil Con Soil Clas Soil Con Soil Clas Soil Con Soil Clas Soil Con Soil Clas Soil Clas Soil Con Soil Clas Soil Con Soil Clas Soil Con Soil Clas Soil Clas S	 15/07/93 Sheet No. : 8327 1:25000 ong.: 6125090 AMG zone: 55 t.: 536910 Datum: AGD66 Type: Undisturbed soil core No Data Class: No Data Class: No Data De: Mid-slope Hillslope 5% Boil Condition (dry): Firm Soil Classification: rophic Brown Dermosol Medium Non- ey Very deep idence: a level not specified Irbance: Extensive clearing, for examin: Coarse Fragments: Dorphology 	 15/07/93 Elevation: Sheet No. : 8327 1:25000 Rainfall: ong.: 6125090 AMG zone: 55 Runoff: t.: 536910 Datum: AGD66 Drainage: Yye: Undisturbed soil core No Data Substrate Material: M Class: No Data Pattern Type: Relief: be: Mid-slope Relief: be: Hillslope Slope Category: 5% Aspect: Soil Condition (dry): Firm Soil Classification: Mappin rophic Brown Dermosol Medium Non-gravelly Clay- ey Very deep idence: Great S e level not specified irbance: Extensive clearing, for example poisoning, ringbarkin n: Coarse Fragments: 	: 15/07/93 Elevation: 253 metres Sheet No. : 8327 1:25000 Rainfall: No Data ong.: 6125090 AMG zone: 55 Runoff: No Data t.: 536910 Datum: AGD66 Drainage: No Data Yype: Undisturbed soil core Conf. Sub. is Parent. Mat.: Prob No Data Pattern Type: Rises De: Mid-slope Relief: No Data Stope Category: No Data 5 % Aspect: 315 degrees Soil Condition (dry): Firm Sification Soil Classification: Mapping Unit: rophic Brown Dermosol Medium Non-gravelly Clay- Principal Profile Form ey Very deep idence: Great Soil Group: a level not specified Irbance: Extensive clearing, for example poisoning, ringbarking n: Corphology	: 15/07/93 Elevation: 253 metres Sheet No. : 8327 1:25000 Rainfall: No Data ong.: 6125090 AMG zone: 55 Runoff: No Data 536910 Datum: AGD66 Drainage: No Data Yype: Undisturbed soil core Conf. Sub. is Parent. Mat.: Probable No Data Bubstrate Material: Granite M Class: No Data Pattern Type: Rises pe: Mid-slope Relief: No Data s: Hillslope Slope Category: No Data 5 % Aspect: 315 degrees Soil Condition (dry): Firm Sification Soil Classification: Mapping Unit: N/A rophic Brown Dermosol Medium Non-gravelly Clay- ey Very deep idence: Great Soil Group: N/A a level not specified rbance: Extensive clearing, for example poisoning, ringbarking <u>n:</u> Soarse Fragments:	

Observation Notes

Site Notes

Project Name:BRUCEDALE/LADYSMITH/GRIGGWARD - Soil Landscape ModellingProject Code:Wagga_SLMSite ID:BD21Observation ID:1Agency Name:CSIRO Division of Soils (ACT)

Laboratory Test Results:

Depth	рН	1:5 EC		hangeable		N	Exchangeable	CEC		ECEC	E	ESP
m		dS/m	Ca I	Mg	К	Na Cmol (Acidity +)/kg					%
0 - 0.1 0.1 - 0.58	5.53A 6.77A	0.044A 0.02A	3.4J 5J	0.83 2.4	1.2 0.86	0.05		8.3I 9.8I).60).71
0.1 - 0.58 0.58 - 0.79	6.77A 7.44A	0.02A 0.027A	5J 5.7J	2.4 3.9	0.68	0.07 0.08		9.81 9.81).82
0.79 - 1.5	8.2A	0.17A	17.6J	8.9	1.5	0.37		19.3I				.92
1.5 - 1.6	8.44A	0.042A	12.6J	11.5	1.8	0.6		23.41			2	2.56
Depth	CaCO3	Organic	Avail.	Total	Total	Tota			rticle		Analysis	
m	%	C %	P mg/kg	P %	N %	K %	Density Mg/m3	GV	CS	FS %	Silt	Clay
	70	70	iiig/kg	70	70	70	ilig/110			/0		
0 - 0.1		1.86C							38.6		13.4	48
0.1 - 0.58		0.39C							52.3I		9.5	38.2
0.58 - 0.79		0.35C							61.2		11	27.8
0.79 - 1.5		0.16C							68.5I		10.8	
1.5 - 1.6		0.06C							71.5		11.6	16.9
Depth	COLE		Grav	imetric/Vc	olumetric V	Vater Co	ntents		Ks	at	K unsat	t
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar 15 I	Bar			_	
m				g/	g- m3/m	3			mm	/h	mm/h	
0 - 0.1												

0 - 0.1 0.1 - 0.58 0.58 - 0.79 0.79 - 1.5 1.5 - 1.6

BRUCEDALE/LADYSMITH/GRIGGWARD - Soil Landscape Modelling **Project Name:** Project Code: Wagga_SLM Site ID: BD21 Observation ID: 1 Agency Name: CSIRO Division of Soils (ACT)

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