Project Name: Project Code: Agency Name:	Soils of the Lower Macqua Macquarie Site ID: CSIRO Division of Soils (A	505 O	outh Wales bservation ID:	1	
Site Information Desc. By: Date Desc.: Map Ref.: Northing/Long.: Easting/Lat.:	N.J. McKenzie 30/11/85 Sheet No. : 8434 1:10000 6472400 AMG zone: 55 576860 Datum: AGD66	Locality: Elevation: Rainfall: Runoff: Drainage:	No Data No Data Moderately rapid Imperfectly draine	d	
<u>Geology</u> ExposureType: Geol. Ref.:	Soil pit No Data	Conf. Sub. is Pare Substrate Material			
Land Form Rel/Slope Class: Morph. Type: Elem. Type: Slope: Surface Soil Co	Crest No Data %	Pattern Type: Relief: Slope Category: Aspect: nulching	No Data No Data No Data No Data		
Erosion: Soil Classificati	on				
Australian Soil Cl N/A	assification:		ng Unit:	INFILLED CHANNELS	
ASC Confidence Confidence level r Site Disturbanc Vegetation: Surface Coarse	not specified <u>e:</u> Cultivation. Rainfed	•	oal Profile Form: Soil Group:	Ug5.39 N/A	
Profile Morphol					
A1 0 - 0.08 n	Subangular blocky; Rough- macropores, Common (1-5	-ped fabric; Common 5 per 100mm2) Fine (1 res, Moist; Weak cons	(1-5 per 100mm2) \ -2mm) macropores	/ery fine (0.075-1mm)	
B1 0.08 - 0.4	.43 m Yellowish red (5YR5/6-Moist); ; Heavy clay; Strong grade of structure, 20-50 mm, Polyhedral; Earthy fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Few (<1 per 100mm2) Fine (1-2mm) macropores, Moist; Firm consistence; Many cutans, >50% of ped faces or walls coated; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 9.5 (Raupach); Common, very fine (0-1mm) roots; Gradual, Smooth change to -				
 B2 0.43 - 1.1 m Yellowish red (5YR5/6-Moist); , 2.5YR56, 10-20%, 5-15mm, Distinct; Heavy clay; Strong grade of structure, 20-50 mm, Polyhedral; Earthy fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Moderately moist; Firm consistence; Many cutans, >50% of ped faces or walls coated; Common (10 - 20%), Calcareous, Medium (2 -6 mm), Nodules; Few (2 - 10%), Ferruginous, Coarse (6 - 20 mm), Nodules; Few (2 - 10%), Manganiferous, Very coarse (20 - 60 mm), Nodules; Field pH 9.5 (Raupach); Few, very fine (0-1mm) roots; Gradual, Smooth change to - 					
B3 1.1 - 1.35	im Light brown (7.5YR6/4-Moi grade of structure, 10-20 m (0.075-1mm) macropores, coated; Very few (0 - 2 %), Few, very fine (0-1mm) roc	nm, Angular blocky; Ea Moist; Firm consisten Calcareous, Medium	arthy fabric; Few (< ce; Many cutans, >	1 per 100mm2) Very fine 50% of ped faces or walls	
Morphological A1	<u>Notes</u> Puff of gilgai. Very odd vei The A1/B1 may be "silt" dep				
	1				

Observation Notes Snake Soil Profile Class, Wheat Site Notes

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••	505 (CT)	Observation ID: 1	
i	Site ID:		

Laboratory Test Results:

Depth	рН	1:5 EC	Excha Ca Mg	ngeable	Cations K	Exc	changeable Acidity	CEC	E	ECEC	ES	Р
m		dS/m	Ca Mg		ĸ	Cmol (+)/k					%	
0.1 - 0.15 0.3 - 0.35	9.2A 9.6A	0.27A 0.686A	8.6E	7.9	0.9	2.2			1	9.6D		
0.7 - 0.75 1.3 - 1.35	8.8A 9.2A	1.52A 1.259A	4.4E	0.8	0.5	9.1			1	4.8D		
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Pa GV	article S CS	Size An FS	alysis Silt Cla	av
m	%	%	mg/kg	%	%	%	Mg/m3			%	•	~,
0.1 - 0.15 0.3 - 0.35							1.37 1.49		20.2A	29.2	9.9 4	40.7
0.3 - 0.35 0.7 - 0.75 1.3 - 1.35							1.58 1.53		13.1A	27.4	17.4 4	12.1
Depth	COLE	Sat.		etric/Vol .1 Bar	lumetric W 0.5 Bar	ater Conter 1 Bar		Bar	K sa	t K	unsat	
m		3 dl.	0.05 Bai 0		о.5 Баг ј - m3/m3		5 Dai 15	Dai	mm/ł	n r	nm/h	

		9/9 110/110			
0.1 - 0.15	0.082A	0.26G	0.18D		
0.3 - 0.35	0.109A	0.26G	0.19D		
0.7 - 0.75	0.086A	0.25G	0.17D		
1.3 - 1.35	0.1A	0.26G	0.18D		

Project Name:Soils of the Lower Macquarie Valley, New South WalesProject Code:MacquarieSite ID: 505Observation ID: 1Agency Name:CSIRO Division of Soils (ACT)

Laboratory Analyses Completed for this profile

15C1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_K	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_MG	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_NA	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15J_BASES	Sum of Bases
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension
P10_CF_C	Clay (%) - Coventry and Fett pipette method
P10_CF_CS	Coarse sand (%) - Coventry and Fett pipette method
P10_CF_FS	Fine sand (%) - Coventry and Fett pipette method
P10_CF_Z	Silt (%) - Coventry and Fett pipette method
P3A1	Bulk density - g/cm3
P3B1GV_15	15 BAR Moisture g/g - Gravimetric of ground sample (<2mm) using pressure plate
P3B4GV_01	0.1 BAR Moisture q/g - Gravimetric of soil clods (Soil Survey Staff, 1967)
P5_COLE	Coefficient of Linear Extensibility (Grossman et al. 1968)