Project Code: E	Soil Studies in the Lower N EDGEROI Site ID: CSIRO Division of Soils (Q	ed237 C	Observation ID:	1		
Date Desc.:02/Map Ref.:ShiNorthing/Long.:667Easting/Lat.:777	c. By: W.T. Ward Desc.: 02/04/85 Ref.: Sheet No. : 8837_N 1:50000 thing/Long.: 6672280 AMG zone: 55 ting/Lat.: 777570 Datum: AGD66		stock route, near 270 metres No Data No Data No Data No Data	Moema North		
	disturbed soil core Data	Conf. Sub. is Parent. Mat.: No Data Substrate Material: No Data				
Morph. Type:NoElem. Type:FaSlope:0 %	Rel/Slope Class: No Data Morph. Type: No Data Elem. Type: Fan Slope: 0 %		No Data No Data Very gently slope No Data	d		
Surface Soil Condi Erosion:	i <u>tion (dry):</u> Self-mulching, T	rampled				
		Princ Great	ing Unit: ipal Profile Form: Soil Group: tivated at some stag	N/A Ug Brown clay e		
Vegetation: Surface Coarse Fra	agments:					
Profile Morphology A11 0 - 0.1 m	Profile Morphology A11 0 - 0.1 m Very dark greyish brown (10YR3/2-Moist); Dark grey (10YR4/1-Dry); ; Light medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Weak grade of structure, 5-10 mm, Subangular blocky; Rough-ped fabric; Medium, (5 - 10) mm crack; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Moderately moist; Strong consistence; 0-2%, fine gravelly, 2- 6mm, rounded, Quartz, coarse fragments; Field pH 8 (pH meter); Common, fine (1-2mm) roots;					
A12 0.1 - 0.25 m	structure, 20-50 mm, Suba 100mm2) Very fine (0.075-	Dark brown (7.5YR3/2-Moist); Very dark brown (10YR2/2-Dry); ; Medium clay; Weak grade of structure, 20-50 mm, Subangular blocky; Rough-ped fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Moderately moist; Strong consistence; Field pH 7.8 (pH meter); Common, very fine (0-1mm) roots;				
A13 0.25 - 0.45 m	grade of structure; Earthy f (0.075-1mm) macropores, Calcareous, Medium (2 -6	Dark brown (7.5YR3/2-Moist); , 10YR73, 0-2% , 0-5mm, Faint; Medium heavy clay; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Moderately moist; Strong consistence; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8.7 (pH meter); Common, very fine (0-1mm) roots; Gradual, Smooth change to -				
B21 0.45 - 0.75 m	Reddish brown (5YR4/4-Moist); , 7.5YR84, 0-2% , 0-5mm, Faint; , 10YR83, 0-2% , 0-5mm, Faint; Medium heavy clay; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Moderately moist; Firm consistence; Very few (0 - 2 %), Gypseous, Fine (0 - 2 mm), Crystals; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Nodules; Field pH 8.7 (pH meter); Few, very fine (0-1mm) roots; Clear, Smooth change to					
B22 0.75 - 1.9 m	of structure, 10-20 mm, An 100mm2) Very fine (0.075	; Moderate grade of gular blocky; Smooth -1mm) macropores,	structure, 20-50 mm n-ped fabric; Fine, (0 Moderately moist; V	t; , 5YR58, 0-2% , 0-5mm, , Lenticular; Moderate grade - 5) mm crack; Few (<1 per ery firm consistence; Very 2 (pH meter); Few, very fine		
B23 1.9 - 2.75 m	Dark reddish brown (5YR3/3-Moist); , 5YR44, 0-2% , 0-5mm, Distinct; , 10YR72, 0-2% , 5- 15mm, Distinct; Medium clay; Moderate grade of structure, 20-50 mm, Lenticular; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Moderately moist; Very firm consistence; Very few (0 - 2%), Argillaceous, Fine (0 - 2 mm), Tubules; Few (2 - 10%), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8.8 (pH meter);					

Morphological Notes

Project Name:Soil Studies in the Lower Namoi ValleyProject Code:EDGEROISite ID: ed237Agency Name:CSIRO Division of Soils (QLD)

Observation ID: 1

Parent Rock: , , second terraced fan <u>Site Notes</u> Repeated site 049.

Project Name:	Soil Studies in the Lower Namoi Valley					
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Laboratory Test Results:

Depth	рН	1:5 EC		hangeable			Exchangeable	CEC		ECEC	ESP
m		dS/m	Ca I	Mg	к	Na Cmol (+)	Acidity)/kg				%
0 - 0.02											
0 - 0.1	8.33A	0.154A	30.09B	10.47	1.5	2.58					
0.1 - 0.2	8.76A	0.185A	29.97B	11.84	0.79	5.08					
0.3 - 0.4	9.13A	0.444A	24.18B	13.45	0.55	11.01					
0.7 - 0.8	8.42A	1.799A	22.44B	15.91	0.8	17.47					
1.2 - 1.3	8.84A	1.298A	19.32B	14.79	0.9	16.89					
2.5 - 2.6	8.86A	1.28A	18.69B	14.03	0.82	17.28					
Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Pa	rticle	Size	Analysis
		С	P	Р	N	к	Density	GV	CS	FS	Silt Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.02											
0 - 0.02	<0.1B	1.84C	23.3J								18.6 52.6
0.1 - 0.2	<0.1B	1.37C	23.33 6.9J								19.8 53.8
0.3 - 0.4	2B	1.06C	4.2J								19.5 55.3
0.7 - 0.8	2.3B	0.47C	12.2J								20.9 61.4
1.2 - 1.3	2.0D 2.1B	0.470 0.16C	15J								19.6 59.3
2.5 - 2.6	1.8B	0.100 0.14C	13.6J								19.8 58.8
2.0 2.0	1.00	0.140	10.00								10.0 00.0
Depth	COLE		Grav	imetric/Vc	olumetric \	Nater Cont	tents		Ks	at	K unsat
•		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar 15 B	Bar			
m				g/	g-m3/m	3			mm	ı/h	mm/h

0 - 0.02 0 - 0.1 0.1 - 0.2

0.1 - 0.2 0.3 - 0.4 0.7 - 0.8 1.2 - 1.3 2.5 - 2.6

Project Name: Project Code: Agency Name: Soil Studies in the Lower Namoi Valley EDGEROI Site ID: ed2 CSIRO Division of Soils (QLD) ed237

Observation ID: 1

Laboratory Analyses Completed for this profile

15A2_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_K	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_MG	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_NA	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
19B1	Carbonates - manometric
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension
5A2	Chloride - 1:5 soil/water extract, automated colour
6B3	Total organic carbon - high frequency induction furnace, infrared
7B1	Water soluble nitrate - automated colour

- Bicarbonate-extractable phosphorus manual colour Clay (%) Coventry and Fett pipette method Silt (%) Coventry and Fett pipette method 9B1
- P10_CF_C P10_CF_Z