Projec	t Name: t Code: y Name:	EDGEROI Site ID: ed218 Observation ID: 1						
	formation	-						
Northing/Long.: 6655130				Locality: Elevation: Rainfall: Runoff: Drainage:		Department of Station 200 metres No Data No Data No Data	riculture, Myall Vale Research	
<u>Geolog</u> Exposu Geol. R	ireType:	Undis No D	sturbed soil core ata	Conf. Sub. is Parent. Mat.:No DataSubstrate Material:No Data				
Rel/Slo Morph. Elem. T Slope:	•		ata	Pattern Type Relief: Slope Categ Aspect: ecently cultiva	No Data ategory: Level No Data			
<u>Erosio</u>								
-	assificati							N1/A
Austral N/A	assifi	cation:			ng Unit: bal Profile Forr	n:	N/A Ug5.15	
	onfidence:		- cific d		Great	Soil Group:	Grey clay	
	ence level n sturbance	•	ecined					
Vegeta								
	e Coarse		ments:					
A11p	0 - 0.15 m		Very dark greyish brown (10YR3/2-Moist); Very dark greyish brown (10YR3 0-2%, 0-5mm, Faint; Medium heavy clay; Moderate grade of structure, 50 blocky; Earthy fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm2) Very fir macropores, Moderately moist; Very strong consistence; Very few (0 - 2%) (0 - 2 mm), Nodules; Field pH 8.5 (pH meter); Clear, Wavy change to -					ture, 50-100 mm, Subangular Very fine (0.075-1mm) 0 - 2 %), Calcareous, Fine
A12	0.15 - 0.2	25 m	Very dark greyish brown (10YR3/2-Moist); Very dark greyish brown (10 0-2%, 0-5mm, Faint; Medium clay; Weak grade of structure, 5-10 mm Smooth-ped fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm2) Very macropores, Moderately moist; Weak consistence; Very few (0 - 2%), (mm), Nodules; Field pH 7.8 (pH meter); Few, very fine (0-1mm) roots;					mm, Subangular blocky; /ery fine (0.075-1mm) %), Calcareous, Fine (0 - 2
A13	0.25 - 0.7	'n	Dark brown (7.5YR3/2-Moist); , 10YR64, 0-2% , 0-5mm, Faint; Medium clay; Strong grade of structure, 10-20 mm, Lenticular; Strong grade of structure, 5-10 mm, Angular blocky; Smooth- ped fabric; Fine, (0 - 5) mm crack; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Weak consistence; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Nodules; Field pH 8 (pH meter); Few, very fine (0-1mm) roots; Gradual, Smooth change to -					
B21	0.7 - 1.06	i m	 Brown (7.5YR4/4-Moist); , 7.5YR32, 10-20% , 5-15mm, Distinct; , 10YR54, 0-2% , 0-5mm, Faint; Medium clay; Weak grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Moderately moist; Weak consistence; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Nodules; Field pH 8.3 (pH meter); Gradual, Smooth change to - 					
B22	1.06 - 2.1	m	Brown (7.5YR4/4-Moist); , 7.5YR32, 2-10% , 5-15mm, Distinct; , 7.5YR42, 0-2% , 0-5mm, Faint; Light medium clay; Weak grade of structure, 20-50 mm, Subangular blocky; Earthy fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Moderately moist; Weak consistence; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Nodules; Field pH 8.3 (pH meter); Gradual, Smooth change to -					
B23	2.1 - 3.2 r	m	Brown (7.5YR4/4-Moist); , 7.5YR32, 10-20% , 15-30mm, Distinct; , 10YR53, 0-2% , 0-5mm, Faint; Light medium clay; Strong grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Moderately moist; Weak consistence; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Nodules; Field pH 7.8 (pH meter);					

Morphological Notes

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

Observation ID: 1

Parent Rock: alluvial sediment, clay, second terraced fan, Namoi <u>Site Notes</u>

Surface structure dominated by extremely coarse machine produced clods.

Project Name:	Soil Studies in	n the Lower	Namoi Valle	ey in the second s
Project Code:	EDGEROI	Site ID:	ed218	Observation ID: 1
Agency Name:	CSIRO Divisio	on of Soils (0	QLD)	

Laboratory Test Results:

Depth	pH	1:5 EC		hangeable			Exchangeable	e CEC		ECEC	ES	P
m		dS/m	Ca	Mg	К	Na Cmol (·	Acidity +)/kg				%	
0 - 0.02	8.34A	0.138A	25.36B	10.26	1.5	0.67						
0 - 0.1	8.46A	0.136A	24.48B	15.94	1.09	0.95						
0.15 - 0.2	8.49A	0.101A	23.66B	9.68	1.31	0.81000 01						
0.3 - 0.4	8.78A	0.14A	21.69B	14.69	0.55	1.5						
0.7 - 0.8	9.06A	0.187A	17.74B	16.39	0.68	3.08						
1.2 - 1.3	9.2A	0.208A	16.23B	15.86	0.66	4.76						
2.5 - 2.6	9.16A	0.297A	16.63B	15.55	0.56	5.39						
Depth	CaCO3	Organic	Avail.	Total	Tota	l Tota	al Bulk	Pa	rticle	Size	Analysis	
		С	P	Р	Ν	ĸ	Density	GV	CS	FS	Silt C	lay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.02	0.2B	1.05C									23.4	53.9
0 - 0.1	0.2B	1.19C	40.9J									56.2
0.15 - 0.2	0.2B	1.14C	37.4J								23.6	56.7
0.3 - 0.4	0.7B	0.81C	19.2J								26.2	59.3
0.7 - 0.8	0.5B	0.7C	28.3J								25.3	57.2
1.2 - 1.3	1.2B	0.33C	30.4J								25.1	57.7
2.5 - 2.6	2.9B	0.28C	29.4J								28.2	55.9
Depth	COLE		Grav	vimetric/Vc	lumetric	Water Co			Ks	at	K unsat	
m		Sat.	0.05 Bar	0.1 Bar	0.5 Bar g - m3/r		5 Bar	15 Bar	mm	/h	mm/h	
m				g/	y- 113/1	113				/11	11111/11	
0 - 0.02												
0 - 0.1												

0 - 0.1 0 - 0.1 0.15 - 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: ed218 CSIRO Division of Soils (QLD)

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
0.0.4	

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