Projec	t Code: E	Soil Studies in the Lower N EDGEROI Site ID: CSIRO Division of Soils (Q	ed150 C	Observation I	D: 1	
Desc. E Date De Map Re Northir Easting	esc.: 21/ ef.: Sh ng/Long.: 66: g/Lat.: 76	T. Ward /01/86 eet No. : 8837_N 1:50000 58300 AMG zone: 55 6200 Datum: AGD66	Locality: Elevation: Rainfall: Runoff: Drainage:	M.H.(Mark) & 226 metres No Data No Data No Data No Data	k R.E.W. Lamp	e, Bobbiwaa
<u>Geolo</u> Exposı Geol. R	ureType: Un	ndisturbed soil core o Data	Conf. Sub. is Pare Substrate Materia		o Data o Data	
Rel/Slo Morph. Elem. 1 Slope:	nd Form /Slope Class: No Data rph. Type: No Data m. Type: Terrace plain pe: 0 %		Pattern Type:No DataRelief:No DataSlope Category:LevelAspect:No Data			
		ition (dry): Self-mulching, R	ecently cultivated			
Erosio Soil Cl	on: lassification					
Austral N/A	lian Soil Class		Princ	ing Unit: ipal Profile For Soil Group:	N/A r m: Ug6.1 Brown o	clav
Confide Site Di	ence level not s isturbance:	specified Cultivation. Rainfed	Croat	oon oroup.	Brown	Sidy
Vegeta Surfac	ation: ce Coarse Fra	agments:				
	Morpholog					
A11p	0 - 0.1 m	Dark brown (7.5YR3/2-Mois structure, 2-5 mm, Granula consistence; Field pH 8 (pH	r; Earthy fabric; Fine	, (0 - 5) mm cra	ck; Moderately	moist; Firm
A12	0.1 - 0.25 m	Dark brown (7.5YR3/2-Mois of structure, 20-50 mm, Sul moist; Strong consistence; (pH meter); Few, very fine	bangular blocky; Ear Very few (0 - 2 %), C	thy fabric; Fine,	(0 - 5) mm cra	ck; Moderately
A13	0.25 - 0.55 m	 Dark brown (7.5YR3/2-Mois structure, 50-100 mm, Angu Strong consistence; Very fe meter); Few, very fine (0-1r 	ular blocky; Earthy fa w (0 - 2 %), Calcare	abric; Fine, (0 -	5) mm crack; N	loderately moist;
A14	0.55 - 0.85 m	 Dark brown (7.5YR3/2-Mois structure, 50-100 mm, Angu 100mm2) Very fine (0.075-few (0 - 2 %), Calcareous, F change to - 	ular blocky; Earthy fa 1mm) macropores, N	abric; Medium, (Noderately mois	(5 - 10) mm cra st; Very firm co	nck; Few (<1 per nsistence; Very
B21	0.85 - 1.9 m	Dark reddish brown (5YR3/ 15mm, Distinct; Medium cla Medium, (5 - 10) mm crack Calcareous, Medium (2 -6 r	ay; Weak grade of st ; Moderately moist; F	ructure, 100-20 Firm consistenc	0 mm, Prismat e; Very few (0	ic; Earthy fabric;
B22	1.9 - 2.92 m	Reddish brown (5YR4/4-Mc Distinct; Medium clay; Mod Fine, (0 - 5) mm crack; Fe moist; Very weak consisten Field pH 8.5 (pH meter);	erate grade of struct w (<1 per 100mm2)	ure, 20-50 mm, Very fine (0.075	Subangular bl 5-1mm) macror	ocky; Earthy fabric; pores, Moderately
	ological Not			0	0	
A11p		An ant nest with seeds at 40 slickenside at 230cm. 150.0 sample (?another hole) from	6 is slightly better st	ructured than 1	50.05. A supple	
A12 Obser	vation Notes	avel.				

Observation Notes

Project Name:	Soil Studies i	n the Lower	Namoi Valley	
Project Code:	EDGEROI	Site ID:	ed150	Ob
Agency Name:	CSIRO Divisio	on of Soils (C	QLD)	

bservation ID: 1

Site Notes

No cracks visible. A brown clay, perhaps a little dispersive, as there are some pieces of crust, disrupted by ploughing. 168, 167, 151 and 150 are within the same unit of high terrace, red-brown material. 132 may also fit this group.

Project Name:	Soil Studies in	n the Lower	Namoi Valle	ey 🛛	
Project Code:	EDGEROI	Site ID:	ed150	Observation ID:	1
Agency Name:	CSIRO Divisio	on of Soils (0	QLD)		

Laboratory Test Results:

Depth	рН	1:5 EC		hangeable	Cations K		Exchangeable	CEC		ECEC	ESP	•
m		dS/m	Ca	Mg	ĸ	Na Cmol (Acidity +)/kg				%	
0 - 0.02 0 - 0.1	8.29A 7.43A		23.11B 22.61B	14.79 15.41	2.44 1.78	0.16 0.61						
0.1 - 0.2	8.22A		23.57B	15.36	1.12	0.81000 01						
0.3 - 0.4	8.74A		21.63B	16.02	0.49	1.61						
0.7 - 0.8	9.15A		17.75B	17.79	0.41	4.26						
1.2 - 1.3	9.4A		9.32B	18.51	0.58	7.11						
2.5 - 2.6	9.48A	0.362A	7.07B	19.45	0.74	5.79						
Depth	CaCO3	Organic C	Avail. P	Total P	Tota N	al Tota K	al Bulk Density	Pa GV	article CS	Size FS	Analysis Silt Cla	.,
m	%	%	r mg/kg	г %	N %	к %	Mg/m3	Gv	63	гз %		y
0 - 0.02	<0.1B	1.08C									18.9 52	2.7
0 - 0.1	<0.1B	1.49C	26.3J								19.1 50	0.9
0.1 - 0.2	<0.1B	1.02C	13.6J								19.3 52	2.7
0.3 - 0.4	0.4B	0.7C	8.7J								20.4 52	2.3
0.7 - 0.8	0.9B	0.57C	12.1J								20.8 50	0.6
1.2 - 1.3	1B	0.31C	21.2J								22.9 48	8.9
2.5 - 2.6	1B	0.12C	10.6J								18.8 4	5.3

Depth	COLE	LE Gravimetric/Volumetric Water Contents						K sat	K unsat		
m		Sat.	0.05 Bar		0.5 Bar /g - m3/m3	1 Bar B	5 Bar	15 Bar	mm/h	mm/h	
0 - 0.02 0 - 0.1 0.1 - 0.2 0.3 - 0.4 0.7 - 0.8 1.2 - 1.3											

Project Name:Soil Studies in the Lower Namoi ValleyProject Code:EDGEROIAgency Name: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
9B1	Bicarbonate-extractable phosphorus - manual colour
P10_CF_C	Clay (%) - Coventry and Fett pipette method

P10_CF_Z Clay (%) - Coventry and Fett pipette method P10_CF_Z Silt (%) - Coventry and Fett pipette method