Project Name: Project Code: Agency Name	EDGEROI Site ID:	ed012 O	bservation ID:	1			
Site Information Desc. By: Date Desc.: Map Ref.: Northing/Long.: Easting/Lat.: Geology	W.T. Ward 07/07/86 Sheet No. : 8837_N 1:50000	Locality: Elevation: Rainfall: Runoff: Drainage:	A.V.(Alan) Albert, 250 metres No Data No Data No Data	Nabra			
ExposureType: Geol. Ref.:	Undisturbed soil core No Data	Conf. Sub. is Pare Substrate Material					
Land Form Rel/Slope Class Morph. Type: Elem. Type: Slope:	No Data Terrace flat 1 %	Pattern Type: Relief: Slope Category: Aspect:	No Data No Data ry: Very gently sloped 180 degrees				
Surface Soil C Erosion:	condition (dry): Self-mulching, I	Recently cultivated					
Soil Classifica	<u>ition</u>						
Australian Soil (N/A ASC Confidence Confidence leve Site Disturban	e:	Princi	ng Unit: pal Profile Form: Soil Group:	N/A Ug5.15 Brown clay			
Vegetation: Surface Coars	e Fragments:						
Profile Morpho							
AC1 0 - 0.1 r	structure, 10-20 mm, Angu ped fabric; Medium, (5 - 10	Dark brown (7.5YR3/2-Moist); Dark brown (7.5YR3/2-Dry); ; Medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Moderate grade of structure, 2-5 mm, Granular; Smooth- ped fabric; Medium, (5 - 10) mm crack; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Moderately moist; Strong consistence; Field pH 9 (pH meter); Few, very fine (0- 1mm) roots;					
AC2 0.1 - 0.2	fabric; Fine, (0 - 5) mm cr	Dark brown (7.5YR3/2-Moist); ; Medium heavy clay; Weak grade of structure, 20-50 mm; Earthy fabric; Fine, (0 - 5) mm crack; Moderately moist; Strong consistence; Field pH 9 (pH meter); Few, very fine (0-1mm) roots; Clear, Smooth change to -					
2A1 0.22 - 0		; Moderate grade of str ack; Few (<1 per 100m consistence; Very few	ructure, 20-50 mm, nm2) Very fine (0.07 (0 - 2 %), Calcareo	Angular blocky; Smooth-ped '5-1mm) macropores, us, Fine (0 - 2 mm),			
2B21 0.7 - 1 r	Moderate grade of structur crack; Few (<1 per 100mm	re, 10-20 mm, Angular n2) Very fine (0.075-1r 2 %), Calcareous, Fin	r blocky; Smooth-pe mm) macropores, N	d fabric; Fine, (0 - 5) mm			
2B22 1 - 1.9 r	5mm, Distinct; Medium cla fabric; Fine, (0 - 5) mm cra	ay; Moderate grade of ack; Few (<1 per 100m nsistence; Very few (0	structure, 5-10 mm, nm2) Very fine (0.07) - 2 %), Calcareous	Angular blocky; Smooth-ped			
2B23 1.9 - 3.4	Distinct; Medium clay; We Fine, (0 - 5) mm crack; Fe	ak grade of structure, w (<1 per 100mm2) Ve	5-10 mm, Angular b ery fine (0.075-1mm	; , 7.5YR64, 0-2% , 0-5mm, locky; Smooth-ped fabric; n) macropores, Moderately mm), Nodules; Field pH 9.5			
<u>Morphologica</u> AC1	Notes 0-10 has conchoidal fractur 10-20. I accept this as rec inwashed sand from 20-30.	ent fill or surface wash	n over prior soil mai				

Project Name:Soil Studies in the Lower Namoi ValleyProject Code:EDGEROISite ID:ed012Agency Name:CSIRO Division of Soils (QLD)

Observation ID: 1

n of surface soil. Prior soil resembles Q.

Observation Notes

Parent Rock: alluvial sediment, mixed texture, with lime, second (brown parna) terraced

Site Notes

AC2

This is the backslope of a levee related to a drainageway .75km N. Tendency to weak crust. Few large cracks to 40mm wide show through cultivated surface; 600mm deep. Slicks at bottom of core. Boggy Creek is a prior stream with low terrace s

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Laboratory Test Results:

Depth	рН	1:5 EC		:hangeab Mg	le Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	Ga	wig	n	Cmol (%
0 - 0.02	8.73A	0.106A	30.48B	12.26	1.94	2.29				
0 - 0.1	8.84A	0.257A	26.59B	13.18	1.41	3.85				
0.1 - 0.2	9.13A	0.261A	26.27B	14.7	0.83	5.95				
0.3 - 0.4	9.28A	0.378A	21.96B	16.19	0.98999	8.65				
					99					
0.7 - 0.8	9.11A	1.008A	17.12B	16.78	1.13	16.3				
1.2 - 1.3	8.95A	1.523A	15.27B	18.38	1.25	20.38				
2.5 - 2.6	9.23A	1.137A	11.46B	16.06	0.93	15.42				
Depth	CaCO3	Organic C	Avail. P	Tota P	al Total N	Tot K		Particl GV CS		Analysis Silt Clay
m	%	%	г mg/kg	-	N %	к %		GV CS	о го %	Silt Clay

1

0 - 0.02	<0.1B	1.56C		20.7 56	.2
0 - 0.1	0.2B	0.63C	22.2J	20.2 53	3
0.1 - 0.2	0.6B	0.54C	8.9J	19.9 53	.6
0.3 - 0.4	1.1B	0.54C	10.5J	20.8 55	.1
0.7 - 0.8	1.3B	0.37C	18J	21.2 58	.1
1.2 - 1.3	1.8B	0.12C	20.7J	16.7 65	.4
2.5 - 2.6	5.1B	0.05C	17.8J	18.8 48	.8

Depth	COLE		Gravimetric/Volumetric Water Contents						K sat	K unsat
		Sat.	0.05 Bar			1 Bar	5 Bar	15 Bar		
m			g/g - m3/m3					mm/h	mm/h	
0 - 0.02										
0 - 0.1										

0 - 0.1 0.1 - 0.2 0.3 - 0.4 0.7 - 0.8 1.2 - 1.3 2.5 - 2.6

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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

- Chloride 1:5 soil/water extract, automated colour 5A2
- Total organic carbon high frequency induction furnace, infrared Water soluble nitrate automated colour 6B3
- 7B1
- Bicarbonate-extractable phosphorus manual colour Clay (%) Coventry and Fett pipette method Silt (%) Coventry and Fett pipette method 9B1
- P10_CF_C P10_CF_Z