Projec	ct Name: ct Code: cy Name:	EDGEROI Site ID: ed244 Observation ID: 1					
Date Desc.:06/08Map Ref.:SheeNorthing/Long.:6652		W.T. 06/08 Shee 6652	Ward 3/87 et No. : 8837_N 1:50000 300 AMG zone: 55 00 Datum: AGD66	Locality: Elevation: Rainfall: Runoff: Drainage:	stock route, at Al 203 metres No Data No Data No Data		pomba
	ureType:	Undi No E	sturbed soil core Data	Conf. Sub. is Par Substrate Materi			
Rel/Slo Morph. Elem. 1 Slope:	lope: 0 %			Pattern Type: Relief: Slope Category: Aspect:	No Data No Data r: Level No Data		
Erosic	on:		<u>on (a. 7).</u>				
Austral N/A ASC C Confide Site D Vegeta		assifi : not sp <u>e:</u> Ci	ecified ultivation. Rainfed	Princ	ping Unit: cipal Profile t Soil Grou		N/A Gn3.23 Red-brown earth
Profile	Morphol	ogy					
A11 0 - 0.08 m Brown (7.5YR4/4-Moist); Brown (7.5YR5/4-Dry); ; Silty loam; Moderate grade of structure, 20 mm, Subangular blocky; Sandy (grains prominent) fabric; Fine, (0 - 5) mm crack; Few (100mm2) Very fine (0.075-1mm) macropores, Moderately moist; Weak consistence; Fiel 6.5 (pH meter); Few, very fine (0-1mm) roots; Abrupt, Smooth change to -				0 - 5) mm crack; Few (<1 per Veak consistence; Field pH			
A12	0.08 - 0.2	25 m	Dark reddish brown (5YR3/2-Moist); ; Silty clay loam; Moderate 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; Firm consistence; Field pH 7.5 (pH meter); Few, very fine (0-1mm) roots;				(<1 per 100mm2) Very fine
A13	0.25 - 0.5	Dark reddish brown (5YR3/2-Moist); ; Silty clay; Moderate grade of structu Subangular blocky; Weak grade of structure, 5-10 mm, Cast; Smooth-pec mm crack; Few (<1 per 100mm2) Fine (1-2mm) macropores, Moderately consistence; Field pH 8 (pH meter); Few, very fine (0-1mm) roots; Gradua		th-ped fabric; Fine, (0 - 5) rately moist; Firm			
B21	0.55 - 1 n	n	Dark reddish brown (5YR3/4-Moist); ; Light clay; Moderate grade of structure, 50-100 mm, Prismatic; Moderate grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Strong consistence; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 9 (pH meter); Few, very fine (0-1mm) roots;				
B22	1 - 1.5 m		Strong brown (7.5YR5/6-Moist); , 5YR44, 2-10% , 5-15mm, Distinct; Silty loam; Moderate grade of structure, 20-50 mm, Prismatic; Moderate grade of structure, 5-10 mm, Cast; Rough-ped fabric; Fine, (0 - 5) mm crack; Common (1-5 per 0.01m2) Medium (2-5mm) macropores, Moderately moist; Strong consistence; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Nodules; Field pH 8.5 (pH meter); Few, very fine (0-1mm) roots; Diffuse, Smooth change to -				
С	C 1.5 - 3.29 m Strong brown (7.5YR5/6-Moist); , 5YR44, 0-2% , 0-5mm, Faint; Fine sandy clay loam; Mass grade of structure; Moderate grade of structure, <2 mm, Cast; Smooth-ped fabric; Few (<1 100mm2) Very fine (0.075-1mm) macropores, Moderately moist; Very firm consistence; Fie 8.5 (pH meter);				oth-ped fabric; Few (<1 per		
<u>Morph</u> A11	Aloomba pit. rbe doubtful. A surface drift of sand over original low terrace soil. Fitz						
			profile. Prominent casts in B soft carbonate stains/efflore:	2 and C. A sandy fa			

Observation Notes

Project Name:Soil Studies in the Lower Namoi ValleyProject Code:EDGEROISite ID: ed244Agency Name:CSIRO Division of Soils (QLD)

Observation ID: 1

Site Notes

Sampled during Fitzpatrick visit at Aloomba pit.

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Project Code:	EDGEROI	Site ID:	ed244	Observation ID:	1
Agency Name:	CSIRO Divisio	on of Soils (C	QLD)		

Laboratory Test Results:

Depth	рН	1:5 EC		hangeable Mg	Cations K	E Na	xchangeable Acidity	CEC	ECEC	ESP
m		dS/m	Uu I	ing	ĸ	Cmol (+)				%
0 - 0.08 0.1 - 0.2 0.3 - 0.4 0.7 - 0.8	6.16A 7.23A 8.5A 8.93A	0.054A 9.100001 02A	5.32B 10.02B E-19.86B 18.03B	3.44 5.93 11.18 12.1	0.74 0.4 0.48 0.45	0.4 1.21 3.14 3.94				
0.7 - 0.8 1.2 - 1.3 2.5 - 2.6	9.05A 9.13A	0.291A 0.19A 0.122A	14.9B	9.62 6.54	0.45 0.34 0.24	3.94 3.44 6.54				
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV CS		alysis Silt Clay
m	%	%	ng/kg	%	%	%	Mg/m3	07 00	%	Sint Glay
0 - 0.08 0.1 - 0.2 0.3 - 0.4 0.7 - 0.8 1.2 - 1.3 2.5 - 2.6	<0.1B <0.1B <0.1B 3.8B 0.6B <0.1B	1.08C 0.99C 0.65C 0.18C	75.5J 40.1J 19.4J 19.5J 30.6J 17.5J							1521.321.731.918.148.221.842.923.631.412.820.9

Depth	COLE	Gra	Gravimetric/Volumetric Water Contents					K unsat
m		Sat. 0.05 Bar	0.1 Bar 0.5 Bar g/g - m3/m3	1 Bar 3	5 Bar	15 Bar	mm/h	mm/h
0 0 00								

0 - 0.08 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
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	Silt (%) - Coventry and Fett pipette method