Project Name: Soil Studies in the Lower Namoi Valley Project Code: EDGEROI Site ID: ed245 Observation ID: 1 Agency Name: CSIRO Division of Soils (QLD)									
Date Desc.:01/0Map Ref.:SheNorthing/Long.:6675		W.T. 01/06 Shee 6675	Ward 5/88 tr No. : 8837_N 1:50000 750 AMG zone: 55 00 Datum: AGD66	Locality: Elevation: Rainfall: Runoff: Drainage:	stock route, near l 233 metres No Data No Data No Data No Data		Fairview		
Expos Geol. F	<u>Seology</u> ExposureType: Undis Geol. Ref.: No D		sturbed soil core Data	Conf. Sub. is Parent. Mat.: Substrate Material:		No Data No Data			
	ope Class: . Type: Type:	No D No D Fan 1 %		Pattern Type: Relief: Slope Category: Aspect:	No Data No Data Very gently slope 220 degrees		d		
	ce Soil Co	onditio	on (dry): Firm						
Erosic									
Soil Classification									
Austra N/A	Australian Soil Classification:			Mapping Unit: Principal Profile Form:			N/A N/A		
	Confidence	:			Soil Group		Brown clay		
	ence level r								
		: <u>e:</u> Cu	ultivation. Rainfed						
Veget Surfac	ce Coarse	Frad	iments:						
	e Morphol								
A11 0 - 0.1 m Dark brown (7.5YR3/2-Moist); Brown (7.5YR4/2-Dry); ; Light medium clay; Moderate grad structure, 20-50 mm, Subangular blocky; Moderate grade of structure, 2-5 mm, Granular; Smooth-ped fabric; Medium, (5 - 10) mm crack; Few (<1 per 100mm2) Very fine (0.075-1r macropores, Moderately moist; Very strong consistence; Field pH 7.5 (pH meter); Few, ver fine (0-1mm) roots;					re, 2-5 mm, Granular; n2) Very fine (0.075-1mm)				
A12	0.1 - 0.25	Subangular blocky; Sr		Moist); ; Light medium clay; Moderate grade of structure, 20-50 mm, ooth-ped fabric; Medium, (5 - 10) mm crack; Few (<1 per 100mm2) Very opores, Moderately moist; Very strong consistence; Field pH 8 (pH 0-1mm) roots;					
A13	0.25 - 0.4	15 m	Dark brown (7.5YR3/2-Moist); , 7.5YR64, 0-2% , 0-5mm, Faint; Light medium clay; Moderate grade of structure, 50-100 mm, Subangular blocky; Smooth-ped fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Moderately moist; Very strong consistence; Field pH 8.8 (pH meter); Few, very fine (0-1mm) roots; Gradual, Smooth change to						
A14k	0.45 - 0.9	95 m	Dark brown (7.5YR3/2-Moist); , 7.5YR64, 0-2% , 5-15mm, Distinct; Light medium clay; Moderate grade of structure, 50-100 mm, Subangular blocky; Weak grade of structure, 5-10 mm, Lenticular; Smooth-ped 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, Fine (0 - 2 mm), Soft segregations; Field pH 8.8 (pH meter); Few, very fine (0-1mm) roots; Gradual, Smooth change to -						
B21	0.95 - 1.7 m Reddish brown (5YR4/4-Moist); , 2.5YR56, 0-2% , 0-5mm, Distinct; , 7.5YR54, 0-2% , 0-5mm, Distinct; Light medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Weak grade of structure, 5-10 mm, Lenticular; Smooth-ped 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, Fine (0 - 2 mm), Nodules; Very few (0 - 2 %), Gypseous, Medium (2 -6 mm), Crystals; Field pH 8.8 (pH meter); Diffuse, Smooth change to -						, Subangular blocky; Weak - 5) mm crack; Few (<1 per trong consistence; Very few), Gypseous, Medium (2 -6		
B22	1.7 - 2.85	ōm	of structure, 10-20 mm, Ler Smooth-ped fabric; Fine, (0	nticular; Moderate gra - 5) mm crack; Few	t); , 2.5YR56, 0-2% , 5-15mm, Distinct; Medium clay; Strong grade cular; Moderate grade of structure, 10-20 mm, Subangular blocky; 5) mm crack; Few (<1 per 100mm2) Very fine (0.075-1mm) t; Very firm consistence; Field pH 8.8 (pH meter);				
Morphological Notes									
A11			Polished wedges are more p slickensides. There are very						

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is well drained, slightly watersorted aeolian clay. Compare ed025.

Observation Notes

Parent Rock: aeolian sediment, clay, parna on fourth fan Site Notes

Very dry, hard and cracked.

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Laboratory Test Results:

Depth m 0 - 0.1 0.1 - 0.2 0.3 - 0.4 0.7 - 0.8 1.2 - 1.3 2.5 - 2.6	рН	1:5 EC dS/m	Excha Ca M	angeable (g	Cations K		changeable Acidity 9	CEC	ECEC	C ESP %
Depth m 0 - 0.1 0.1 - 0.2 0.3 - 0.4 0.7 - 0.8 1.2 - 1.3 2.5 - 2.6	CaCO3 %	Organic C %	Avail. P mg/kg	Total P %	Total N %	Total K %	Bulk Density Mg/m3	Particle GV CS	Size FS %	Analysis Silt Clay
Depth m 0 - 0.1 0.1 - 0.2 0.3 - 0.4 0.7 - 0.8 1 2 - 1.3	COLE	Sat.		0.1 Bar	umetric W 0.5 Bar - m3/m3			Bar	sat m/h	K unsat mm/h

1.2 - 1.3 2.5 - 2.6 Project Name:Soil Studies in the Lower Namoi ValleyProject Code:EDGEROISite ID:ed245Agency Name:CSIRO Division of Soils (QLD)

Observation ID: 1

Laboratory Analyses Completed for this profile