Project Name Project Code Agency Nam	EDGEROI	s in the Lower N Site ID: sion of Soils (QI	ed159 O	bservation ID:	1
Site Informat Desc. By: Date Desc.: Map Ref.: Northing/Long Easting/Lat.:	D. McGarry 14/03/85 Sheet No. : 883		Locality: Elevation: Rainfall: Runoff: Drainage:	camping reserve, 194 metres No Data No Data No Data No Data	near Glen Arvon
<u>Geology</u> ExposureType Geol. Ref.:	: Undisturbed so No Data	il core	Conf. Sub. is Pare Substrate Material		
Land Form Rel/Slope Clas Morph. Type: Elem. Type: Slope:	ss: No Data No Data Levee 0 %		Pattern Type: Relief: Slope Category: Aspect:	No Data No Data Moderately inclin No Data	ed
	Condition (dry):	Surface crust			
Erosion: Soil Classific	ation				
Australian Soi N/A ASC Confiden	I Classification: nce: rel not specified		Princip	ng Unit: pal Profile Form: Soil Group:	N/A Gn2.82 Grey clay
Vegetation:					
	rse Fragments:				
<u>Profile Morpl</u> A11 0 - 0.0	04 m Very dan of struct (0.075-1	ure, 2-5 mm, Angula	ar blocky; Rough-pec Moderately moist; Firr	l fabric; Few (<1 pe	Light clay; Moderate grade r 100mm2) Very fine d pH 7 (pH meter); Few, fine
A12 0.04 -	clay; Mo 5) mm c	derate grade of stru rack; Few (<1 per 1	ucture, 20-50 mm, Šu	ıbangular blocky; S .075-1mm) macrop	(10YR3/2-Dry); ; Medium mooth-ped fabric; Fine, (0 - ores, Moderately moist; -1mm) roots;
A13 0.1 - 0	Subang 2mm) m	jular blocky; Smoot acropores, Moderat	h-ped fabric; Fine, (0	- 5) mm crack; Fev nsistence; Field pH	ade of structure, 10-20 mm, v (<1 per 100mm2) Fine (1- 6.8 (pH meter); Common,
C1 0.2 - 0	Distinct; ped fabr moist; S	Light medium clay; ic; Fine, (0 - 5) mm trong consistence; (Moderate grade of s crack; Few (<1 per 1	tructure, 10-20 mm 00mm2) Fine (1-2r -6mm, rounded, Cł	nt; , 10YR21, 0-2% , 0-5mm, , Subangular blocky; Rough- nm) macropores, Moderately narcoal, coarse fragments;
C2 0.55 -	structure fabric; F Moderat	e, 100-200 mm, Sub ine, (0 - 5) mm crac	oangular blocky; Wea k; Few (<1 per 100m	k grade of structur m2) Very fine (0.07	Light clay; Weak grade of e, 2-5 mm, Cast; Rough-ped 75-1mm) macropores, very fine (0-1mm) roots;
2A1 1 - 1.4	clay; We Rough-p macropo	eak grade of structured fabric; Fine, (0 -	re, 20-50 mm, Prisma 5) mm crack; Few (< bist; Strong consisten	atic; Weak grade of <1 per 100mm2) Ve	5mm, Faint; Fine sandy light 5 structure, 2-5 mm, Cast; ery fine (0.075-1mm) meter); Few, very fine (0-
2C 1.4 - 2	Light cl 5) mm consiste	ay; Weak grade of s crack; Few (<1 per	structure, 20-50 mm, 100mm2) Fine (1-2m velly, 2-6mm, rounde	Subangular blocky m) macropores, M	R21, 0-2% , 0-5mm, Distinct; ; Rough-ped fabric; Fine, (0 - oderately moist; Weak e fragments; Field pH 7.2

Project Name:Soil Studies in the Lower Namoi ValleyProject Code:EDGEROISite ID: ed159Agency Name:CSIRO Division of Soils (QLD)

Observation ID: 1

Morphological Notes

A11

Flood level on trees +3m. This could put 1m of flood water on adjoining terrace. The soil is recent alluvial with slight soil development at several levels. Possibly Gn4.52 due to rough peds in B.

Observation Notes

Parent Rock: alluvial sediment, clay, floodplain, Namoi

Site Notes

Flood level on trees +3m. This would put 1m of flood water on adjoining terrace.

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Laboratory Test Results:

Depth	рН	1:5 EC		hangeable			Exchangeable	e CE	0	ECEC	: 1	ESP
m		dS/m	Ca	Mg	К	Na Cmol (+	Acidity)/kg					%
0 - 0.02	7.2A	0.188A	18.37B	11.12	1.94	0.18						
0 - 0.04	7.03A	0.129A	16.86B	9.66	1.57	0.38						
0.04 - 0.1	7.08A	0.086A	16.08B 9	9.809999	1.26	0.28						
0.1 - 0.2	7.37A	0.05A	19.02B	9.73	0.79	0.35						
0.3 - 0.4	7.51A	0.048A	18.75B	9.5	0.59	0.27						
0.7 - 0.8	7.52A	0.048A	15.41B	8.49	0.54	0.21						
1.2 - 1.3	7.62A	0.043A	17.08B	9.64	0.61	0.33						
2.5 - 2.6	7.52A	0.04A	13.32B 8	3.530001	0.5	0.31						
Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	I	Particle	Size	Analysis	6
		С	P	Р	N	K	Density	GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.02	<0.1B	1.98C									31	42
0 - 0.04	<0.1B		145.2J	1							28.1	40.6
0.04 - 0.1	<0.1B		120J								29.1	43.2
0.1 - 0.2	<0.1B		76.7J								31.9	-
0.3 - 0.4	<0.1B		46J								27	39.6
0.7 - 0.8	<0.1B	0.78C	44.4J								18.7	34.6
1.2 - 1.3	<0.1B	0.81C	59.9J								23.2	40
2.5 - 2.6	<0.1B	0.48C	57.1J								19.1	34.8
Depth	COLE			/imetric/Vo					Ks	at	K unsa	t
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		//-		
m				g/	g - m3/m	ა			mn	1/1)	mm/h	

0 - 0.02 0 - 0.04 0.04 - 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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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

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