Project Code: EI	bil Studies in the Lower N DGEROI Site ID: SIRO Division of Soils (Q	ed086 C	bservation ID:	1
Date Desc.:03/0Map Ref.:SheeNorthing/Long.:6667Easting/Lat.:7829	Ward 7/86 et No. : 8837_N 1:50000 7200 AMG zone: 55 900 Datum: AGD66	Locality: Elevation: Rainfall: Runoff: Drainage:	Des Gordon, Co 344 metres No Data No Data No Data No Data	uradda State Forest
	isturbed soil core Data	Conf. Sub. is Pare Substrate Materia		
Slope: 1 %	Data rrest	Pattern Type: Relief: Slope Category: Aspect:	No Data No Data Very gently slop 320 degrees	ed
Surface Soil Conditi Erosion:	ion (dry): Soft, Trampled			
Soil Classification Australian Soil Classif N/A ASC Confidence: Confidence level not sp	pecified	Princi Great	ing Unit: pal Profile Form: Soil Group:	N/A Dy5.11 Solodic soil
Vegetation:	omplete clearing. Pasture, na	tive or improved, cult	ivated at some sta	ge
Surface Coarse Frage Profile Morphology	<u>gments:</u>			
A11 0 - 0.16 m		ure; Weak grade of s per 100mm2) Very fi	tructure, 2-5 mm, (ne (0.075-1mm) m	
A12 0.16 - 0.25 m		2) Very fine (0.075-1	mm) macropores,	andy (grains prominent) Moderately moist; Very weak ts; Clear, Smooth change to -
A2 0.25 - 0.5 m	Brown (10YR5/3-Moist); ; S fabric; Few (<1 per 100mm consistence; Field pH 6.5	2) Very fine (0.075-1	mm) macropores,	Moderately moist; Very weak
B21 0.5 - 0.65 m	Yellowish red (5YR4/6-Mois grade of structure, 50-100 r blocky; Smooth-ped fabric; 1mm) macropores, Modera Fine (0 - 2 mm), Nodules; F	mm, Columnar; Mode Medium, (5 - 10) mm ately moist; Very firm	erate grade of struc n crack; Few (<1 pe consistence; Very	eture, 10-20 mm, Angular er 100mm2) Very fine (0.075- few (0 - 2 %), Ferruginous,
B22 0.65 - 1 m	grade of structure, 10-20 m	clay; Moderate grad im, Angular blocky; S (0.075-1mm) macro	e of structure, 50-1 mooth-ped fabric; pores, Moderately	00 mm, Columnar; Moderate Fine, (0 - 5) mm crack; Few moist; Very firm consistence;
B23 1 - 1.8 m	Prominent; Light medium c	lay; Weak grade of si -ped fabric; Fine, (0 - Moderately moist; Ve n), Nodules; Field pH	tructure, 100-200 n 5) mm crack; Few ry strong consister	
C 1.8 - 2.67 m	Yellowish red (5YR4/6-Mois 30mm, Prominent; Light cla fabric; Fine, (0 - 5) mm crac Moderately moist; Rigid cor	ay; Weak grade of str ck; Few (<1 per 100n	ucture, 100-200 m nm2) Very fine (0.0	75-1mm) macropores,

Morphological Notes

Observation ID: 1

Biscuitty and sandy below 90cm. No carbonate visible.

Observation Notes

Parent Rock: residual, sandstone, Pilliga Sandstone, weathered

Site Notes

A11

100m north of road. Logged Cypress forest. Slope direction difficult to identify.

Project Name:	Soil Studies in	n the Lower	Namoi Valle	∋y	
Project Code:	EDGEROI	Site ID:	ed086	Observation ID:	1
Agency Name:	CSIRO Divisio	on of Soils (C	QLD)		

Laboratory Test Results:

Depth	рН	1:5 EC		hangeable Mg	e Cations K	Na	Exchangeable Acidity	CEC	;	ECEC	: 1	ESP
m		dS/m	Ga	wig	n	Cmol (+						%
0 - 0.02	6.24A	0.038A	1.6B	0.34	0.37	0.05						
0 - 0.1	4.96A	0.057A	0.42B	0.15	0.07	0.05						
0.1 - 0.2	4.72A	0.033A	<0.1B	<0.1	0.04	0.01						
0.3 - 0.4	4.92A	0.03A	<0.1B	0.2	0.04	0.02						
0.5 - 0.6	5.45A	0.061A	<0.1B	3.31	0.08	1.16						
0.7 - 0.8	5.41A	0.105A	<0.1B	6.51	0.19	2.43						
1.2 - 1.3	6.36A	0.246A	<0.1B	8.63	0.5	3.58						
2.5 - 2.6	5A	0.208A	<0.1B	3.15	0.17	1.64						
Depth	CaCO3	Organic	Avail.	Total	Total	Tota	l Bulk	F	Particle	Size	Analysis	
	•	C	P	P	N	K	Density	GV	CS	FS	Silt	
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.02	<0.1B	2.09C									3.3	4.9
0 - 0.1	<0.1B		14.8J								3	4.6
0.1 - 0.2	<0.1B	0.45C	2.3J								3.4	3.6
0.3 - 0.4	<0.1B	0.18C	<1J								3.5	2.8
0.5 - 0.6	<0.1B	0.29C	<1J								6.3	15.6
0.7 - 0.8	<0.1B	0.17C	<1J								2.6	25.3
1.2 - 1.3	<0.1B	0.08C	5.5J								4.8	38.2
2.5 - 2.6	<0.1B	0.08C	9.7J								3.3	24.8
Depth	COLE		Grav	vimetric/Vo	olumetric V	Vater Con	itents		Ks	at	K unsa	t
-		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar 1	5 Bar				
m				g/	/g - m3/m	3			mm	/h	mm/h	

0 - 0.02 0 - 0.1 0.1 - 0.2 0.3 - 0.4 0.5 - 0.6 0.7 - 0.8 1.2 - 1.3 2.5 - 2.6

Project Name: Soil Studies in the Lower Namoi Valley Project Code: Agency Name: Site ID: ed086 EDGEROI 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

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