Projec	t Name: t Code: y Name:	EDO	I Studies in the Lower N GEROI Site ID: IRO Division of Soils (Q	ed227	Observatio	on ID: 🧳	1
Site In	formatior	า					
Desc. E Date De Map Re	By: esc.: ef.: ng/Long.: ŋ/Lat.:	G.M. F 23/07/ Sheet 66753	Roberts /85 : No. : 8837_N 1:50000 300 AMG zone: 55 30 Datum: AGD66	Locality: Elevation: Rainfall: Runoff: Drainage:	K.W. Eat 213 metro No Data No Data No Data		awombi
Geol. R		Undis No Da	turbed soil core ata	Conf. Sub. is P Substrate Mate		No Data No Data	
Morph. Elem. T Slope:	pe Class: Type: ype: e Soil Co	No Da No Da No Da 2 % nditio	ata ata	Pattern Type: Relief: Slope Category Aspect:	No Data No Data y: Gently in No Data	clined	
	assificati	ion					
Austral N/A ASC C Confide	ian Soil Cl onfidence: ence level r sturbanc	lassific		Pri	pping Unit: ncipal Profile eat Soil Group		N/A Ug5.15 Brown clay
Vegeta		<u>.</u>					
	e Coarse	Frag	ments:				
Profile	Morphol	ogy					
A1p	0 - 0.06 n	n	Very dark greyish brown (1 structure, 2-5 mm, Granula crack; Few (<1 per 100mm consistence; Field pH 8.6 (r; Single grain gra 2) Very fine (0.075	de of structure 5-1mm) macro	; Earthy pores, M	fabric; Fine, (0 - 5) mm
2A1	0.06 - 0.2	25 m	Dark greyish brown (10YR- grade of structure, 50-100 Subangular blocky; Earthy 100mm2) Very fine (0.075- 2%, fine gravelly, 2-6mm, r Medium (2 -6 mm), Nodule	mm, Subangular b fabric; Smooth-pe 1mm) macropores ounded, Quartz, c	locky; Weak g d fabric; Fine, s, Moderately r oarse fragmer	rade of s (0 - 5) m noist; Ve its; Very	tructure, 2-5 mm, m crack; Few (<1 per ry strong consistence; 0- few (0 - 2 %), Calcareous,
2B2k	0.25 - 0.5	55 m	Dark brown (7.5YR3/2-Moi of structure, 20-50 mm, An Smooth-ped fabric; Fine, (0 macropores, Moderately m Medium (2 -6 mm), Nodule Smooth change to -	gular blocky; Mode) - 5) mm crack; Fe oist; Very strong c	erate grade of ew (<1 per 100 onsistence; Ve	structure mm2) Ve ery few (0	ery fine (0.075-1mm)) - 2 %), Calcareous,
3B21k	0.55 - 1 n	n	Dark brown (7.5YR3/2-Moi grade of structure, 50-100 blocky; Smooth-ped fabric; fine (0.075-1mm) macropo gravelly, 20-60mm, rounde Calcareous, Medium (2 -6	mm, Prismatic; Mo Earthy fabric; Find res, Moderately m d tabular, Quartz,	oderate grade e, (0 - 5) mm c oist; Very stroi coarse fragme	of structu rack; Fev ng consis ents; Very	ure, 10-20 mm, Angular w (<1 per 100mm2) Very stence; 0-2%, coarse
3B22k	1 - 1.66 n	n	Prominent; Medium clay; of structure, 20-50 mm, Pri (<1 per 100mm2) Very fin 2%, fine gravelly, 2-6mm, r	Weak grade of stru smatic; Earthy fab e (0.075-1mm) ma ounded, Quartz, c es; Few (2 - 10 %)	ucture, 10-20 r ric; Smooth-pe acropores, Moo oarse fragmer	nm, Suba ed fabric; derately r its; Few (10YR73, 2-10%, 15-30mm, angular blocky; Weak grade Fine, (0 - 5) mm crack; Few noist; Firm consistence; 0- (2 - 10 %), Calcareous, (2 -6 mm), Crystals; Field pH

Morphological Notes

Observation Notes Parent Rock: , , floodplain

Project Name:	Soil Studies i	n the Lower I	Namoi Valley
Project Code:	EDGEROI	Site ID:	ed227
Agency Name:	CSIRO Divisio	on of Soils (C	LD)

Observation ID: 1

Site Notes

3cm suncracked flood deposit on young ?alluvial soil in donga. Groundsurface has many scours produced by flood water. Rig is stopped at 166cm by fine gravel. Groundsurface has vertical pipes leading to tunnels (? cracks) below. Many short s

Project Name: Project Code: Agency Name: Soil Studies in the Lower Namoi Valley EDGEROI Site ID: ed227 CSIRO Division of Soils (QLD) Observation ID: 1

Laboratory Test Results:

Depth	рН	1:5 EC		changeabl			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	к	Na Cmol	Acidity (+)/kg			%
0 - 0.02	8.66A	0.1434	A 31.03B	11.89	1.73	0.86				
0 - 0.06	8.47A	0.193A	A 25.44B	12.14	0.74	1.28				
0.1 - 0.2	9A	0.163/	A 23.34B	10.18	0.46	1.94				
0.3 - 0.4	9.27A	0.2494	A 19.49B	11.47	0.47	5.17				
0.7 - 0.8	9.06A	0.361/	A 20.19B	11.82	0.62	5.75				
1.2 - 1.3	9.12A	0.3024	A 22.1B	11.52	0.62	5.69				

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Pa	article	Size	Analysi	s
m	%	C %	P mg/kg	P %	N %	K %	Density Mg/m3	GV	CS	FS %	Silt	Clay
0 - 0.02 0 - 0.06 0.1 - 0.2 0.3 - 0.4 0.7 - 0.8 1.2 - 1.3	0.4B 0.7B 1.5B 1.1B 0.6B 0.5B	1.04C 1.17C 0.73C 0.62C 0.6C 0.6C	27.1J 5.7J 8J 26.1J 34J								15.8 16.1 15.3	50.2 45.2 40.5 40.8 40.9 41.6

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

0 - 0.02 0 - 0.06 0.1 - 0.2 0.3 - 0.4 0.7 - 0.8 1.2 - 1.3

Project Name: Project Code: Agency Name: Soil Studies in the Lower Namoi Valley EDGEROI Site ID: ed2 CSIRO Division of Soils (QLD) ed227

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

- Bicarbonate-extractable phosphorus manual colour Clay (%) Coventry and Fett pipette method Silt (%) Coventry and Fett pipette method 9B1
- P10_CF_C P10_CF_Z