Project Name Project Code: Agency Name	EDGEROI Site ID:	we006 Ob	servation ID:	1
Site Informati Desc. By: Date Desc.: Map Ref.: Northing/Long. Easting/Lat.:	W.T. Ward 16/02/89 Sheet No. : 8737_N 1:50000	Rainfall: Runoff:	175 metres No Data No Data No Data	
<u>Geology</u> ExposureType: Geol. Ref.:	Undisturbed soil core No Data	Conf. Sub. is Parent Substrate Material:	. Mat.: No Data No Data	
Land Form Rel/Slope Class Morph. Type: Elem. Type: Slope:	No Data No Data 0 %	Relief: Slope Category:	No Data No Data Level No Data	
	Condition (dry): Surface crust			
Erosion: Soil Classifica	ation			
Australian Soil N/A ASC Confidence Confidence leve Site Disturbar	:e:	Great So	Il Profile Form: bil Group:	N/A N/A Grey clay
Vegetation:			-	
Profile Morph	<u>se Fragments:</u> ology			
A11 0 - 0.1	m Very dark greyish brown (0-2% , 0-5mm, Distinct; L	.ight clay; Weak grade o l fabric; Fine, (0 - 5) mm Moderately moist; Firm se fragments; Field pH 7	f structure, 20-50 crack; Common (consistence; 0-2%	mm, Subangular blocky; 1-5 per 100mm2) Very fine 6, fine gravelly, 2-6mm,
A12 0.1 - 0.	Subangular blocky; Earthy (0.075-1mm) macropores,	fabric; Fine, (0 - 5) mm Moderately moist; Very	crack; Few (<1 per firm consistence;	
A13 0.25 - (Subangular blocky; Medi macropores, Moderately n	um, (5 - 10) mm crack; F noist; Very firm consister s; Very few (0 - 2 %), Ca	ew (<1 per 100m nce; 0-2%, fine gra	ide of structure, 20-50 mm, m2) Very fine (0.075-1mm) avelly, 2-6mm, subrounded, (2 -6 mm), Nodules; Field
A14 0.55 - 1	clay; Moderate grade of st 5) mm crack; Few (<1 per	ructure, 20-50 mm, Sub 100mm2) Very fine (0.0 w (0 - 2 %), Calcareous,	angular blocky; Sr 75-1mm) macropo	, Distinct; Light medium nooth-ped fabric; Fine, (0 - ores, Moderately moist; Very n), Nodules; Field pH 8.8 (pH
A15 1 - 1.3	Distinct; Light medium clay structure, 10-20 mm, Suba	y; Weak grade of structu angular blocky; Smooth- 075-1mm) macropores, Medium (2 -6 mm), Noo	re, 50-100 mm, P ped fabric; Fine, (Moderately moist dules; Very few (0	rismatic; Weak grade of 0 - 5) mm crack; Few (<1 ; Strong consistence; Very - 2 %), Gypseous, Fine (0
B2 1.3 - 2.	50-100 mm, Prismatic; We	eak grade of structure, 1 w (<1 per 100mm2) Ver	00-200 mm, Lentio y fine (0.075-1mm	cular; Smooth-ped fabric;) macropores, Moderately

Morphological Notes

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A11 A12 Originally bu008. 0-10cm separated as it is possibly surface wash. It has a more sandy appearance than the remainder. Carbonate concretions start at 30cm. Fine grit and fragments to note.

Observation Notes

Parent Rock: alluvial sediment, clay, sand parna on third fan, Namoi

Site Notes

Nardoo, rushes.

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Laboratory Test Results:

Depth	рН	1:5 EC		•	le Cations		Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	К	Na Cmol	Acidity (+)/kg			%
0 - 0.1	7.26A	0.118A	21.12B	13.92	1.72	0.95				
0.1 - 0.2	8.12A	0.096A	22.12B	14.8	0.79	1.75				
0.3 - 0.4	8.89A	0.146A	20.66B	15.8	0.72	5.6				
0.7 - 0.8	9.14A	0.315A	16.49B	15.6	0.79	11.5				
1.2 - 1.3	8.7A	1.155A	14.24B	16.08	0.86	16.55				
2.5 - 2.6	9.11A	0.776A	9.690001 B	15.06	0.86	16.36				

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Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Pa	article	Size	Analysis	
	0/	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.1	<0.1B	1C	36.4J								12.2	47.2
0.1 - 0.2	0.4B	0.61C	13.4J								13.3	49.5
0.3 - 0.4	0.2B	0.49C	10.1J								12.8	46.9
0.7 - 0.8	0.7B	0.39C	20.4J								12.3	44.1
1.2 - 1.3	1.6B	0.32C	23.3J								13.8	47.5
2.5 - 2.6	0.4B	0.06C	15.5J								14.1	48.8

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

0 - 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
600	Total argania carbon bigh fraguency induction furnage infrared

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