Project Name: Project Code: Agency Name:	Soil Studies in the Lower EDGEROI Site ID: CSIRO Division of Soils (C	ed118 O	bservation ID:	1
Date Desc.:3Map Ref.:SNorthing/Long.:6Easting/Lat.:7	6.M. Roberts 0/04/85 iheet No. : 8837_N 1:50000 662800 AMG zone: 55 74600 Datum: AGD66	Locality: Elevation: Rainfall: Runoff: Drainage:	Bruce Foster, Nev 271 metres No Data No Data No Data No Data	wlands
P	Indisturbed soil core No Data	Conf. Sub. is Pare Substrate Materia		
Elem. Type: F Slope: 1	No Data Fan %	Pattern Type: Relief: Slope Category: Aspect:	No Data No Data Very gently slope 60 degrees	d
Surface Soil Con	dition (dry): Loose, Recently	y cultivated		
	ssification:	Princi	ing Unit: pal Profile Form: Soil Group:	N/A Dy4.13 Solodic soil
Vegetation: Surface Coarse F				
Profile Morpholo A1 0 - 0.16 m	Very dark greyish brown (?	bangular blocky; Smoo Moderately moist; Ve	oth-ped fabric; Few ery weak consistenc	(<1 per 100mm2) Very fine
A21 0.16 - 0.2 n		grade of structure, 5- ry fine (0.075-1mm) m	10 mm, Subangular acropores, Modera	blocky; Smooth-ped fabric;
A22 0.2 - 0.3 m		of structure, 10-20 mm nm) macropores, Mod	n, Subangular block erately moist; Weak	Light clay; Massive grade y; Earthy fabric; Common (1- < consistence; Field pH 8 (pH
B21 0.3 - 0.55 n	Massive grade of structure	e; Moderate grade of s ack; Common (1-5 per e; 0-2%, fine gravelly, %), Ferruginous, Fine	structure, 10-20 mm 100mm2) Fine (1-2 2-6mm, rounded ta	
B22 0.55 - 0.9 n	Distinct; Medium heavy cla mm, Angular blocky; Earth	ay; Massive grade of s ny fabric; Smooth-ped -1mm) macropores, M d tabular, Quartz, coar	structure; Moderate fabric; Fine, (0 - 5) loderately moist; St se fragments; Field	grade of structure, 10-20 mm crack; Few (<1 per rong consistence; 0-2%, fine
B23 0.9 - 1.6 m	Faint; Medium clay; Massi per 100mm2) Very fine (0. Common (10 - 20 %), Calo	ve grade of structure; 075-1mm) macropore careous, Coarse (6 - 2 2 mm), Nodules; Field	Earthy fabric; Fine, es, Moderately mois 20 mm), Concretions	ct; , 10YR56, 0-2% , 0-5mm, (0 - 5) mm crack; Few (<1 t; Very strong consistence; s; Very few (0 - 2%), Few, very fine (0-1mm) roots;

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B24 1.6 - 2.73 m Greyish brown (10YR5/2-Moist); , 5R32, 0-2% , 0-5mm, Prominent; Medium clay; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Moderately moist; Very strong consistence; 2-10%, coarse gravelly, 20-60mm, rounded, Quartz, coarse fragments; Very few (0 - 2 %), Ferruginous, Fine (0 - 2 mm), Soft segregations; Field pH 5.7 (pH meter); Few, very fine (0-1mm) roots;

### Morphological Notes

Observation Notes Parent Rock: , , Tertiary beds Site Notes

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## Laboratory Test Results:

Depth	рН	1:5 EC		-	le Cations		Exchangeable	CEC	ECEC	ESP
m		dS/m	a	Mg	K	Na Cmol	Acidity (+)/kg			%
0 - 0.02 0 - 0.1	6.25A 7.02A	0.133A 8.199999E 02A		1.54 1.32	0.98 1.24	0.01 0.05				
0.1 - 0.2 0.2 - 0.3	6.73A 7.34A	0.168A 0.077A	4.05B 4.31B	1.1 1.1	1.26 0.98999 99	0.04 0.04				
0.3 - 0.4 0.7 - 0.8 1.2 - 1.3 2.5 - 2.6	8.1A 9.26A 9.84A 5.42A	0.048A 0.085A 0.34A 0.317A	7.35B	4.06 10.2 9.690001 8.57	1.2 0.82 1 0.45 0.17	0.19 1.85 3.98 4.96				

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Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	P	article	Size	Analysi	5
m	%	C %	P mg/kg	P %	N %	K %	Density Mg/m3	GV	CS	FS %	Silt	Clay
0 - 0.02	<0.1B	2.09C									8.6	11.4
0 - 0.1	<0.1B	1.21C	<1J								6.2	9.7
0.1 - 0.2	<0.1B	0.68C	8.4J								5.9	11.6
0.2 - 0.3	0.1B	0.48C	5.7J								5.9	12.5
0.3 - 0.4	0.1B	0.32C	1.8J								6.1	28.4
0.7 - 0.8	0.1B	0.15C	<1J								4.8	38.3
1.2 - 1.3	1.5B	0.08C	3.6J								5.1	30.9
2.5 - 2.6	<0.1B	0.08C	3.2J								6.1	31.8

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

0 - 0.02 0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.2 - 0.3 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
4 4 1	nH of 1:5 soil/water suspension

- 4A1 5A2
- pH of 1:5 soil/water suspension Chloride 1:5 soil/water extract, automated colour
- 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