Project Name: FOR

Project Code: FOR Site ID: P643 Observation ID: 1

Agency Name: CSIRO Division of Soils (WA)

**Site Information** 

Desc. By: E. Bettenay Locality: 14KM east of Bungaroo Creek on millstream to

Yarraloola Road:

 Date Desc.:
 01/01/70
 Elevation:
 No Data

 Map Ref.:
 Sheet No.: 2254
 1:100000
 Rainfall:
 330

 Northing/Long.:
 116.516666666667
 Runoff:
 Rapid

Easting/Lat.: -21.8666666666667 Drainage: Imperfectly drained

Geology

ExposureType: Soil pit Conf. Sub. is Parent. Mat.: No Data Geol. Ref.: No Data Substrate Material: Dolomite

**Land Form** 

 Rel/Slope Class:
 No Data
 Pattern Type:
 Alluvial plain

 Morph. Type:
 No Data
 Relief:
 No Data

 Elem. Type:
 Prior stream
 Slope Category:
 Gently inclined

 Slope:
 0 %
 Aspect:
 No Data

Surface Soil Condition (dry): Self-mulching

**Erosion:** 

**Soil Classification** 

Australian Soil Classification:Mapping Unit:N/AHaplic Self-Mulching Red VertosolPrincipal Profile Form:Ug5.32ASC Confidence:Great Soil Group:N/A

No analytical data are available but confidence is fair.

<u>Vegetation:</u>
Complete clearing. Pasture, native or improved, but never cultivated
Low Strata - Tussock grass, , . \*Species includes - None recorded
Mid Strata - Chenopod shrub, , . \*Species includes - None recorded

Tall Strata - Tree, , . \*Species includes - Acacia species, Unknown species, Eucalyptus species

Surface Coarse Fragments: 2-10%, , angular, Gravel

**Profile Morphology** 

0.8 - 0.9 m

A	0 - 0.05 m	Reddish brown (2.5YR4/4-Moist); Yellowish red (5YR4/6-Dry); ; Light clay; Strong grade of structure, 10-20 mm, Subangular blocky; Medium, (5 - 10) mm crack; Dry; Weak consistence; 2-10%, Gravel, coarse fragments; Field pH 8.5 (pH meter); Gradual change to -
	0.05 - 0.1 m	Dark red (2.5YR3/6-Moist); Reddish brown (2.5YR4/4-Dry); ; Light medium clay; Strong grade of structure, 5-10 mm, Subangular blocky; Earthy fabric; Medium, (5 - 10) mm crack; Weak consistence; 2-10%, Gravel, coarse fragments; Gradual change to -
В	0.1 - 0.2 m	Reddish brown (2.5YR4/4-Moist); ; Medium clay; Strong grade of structure, 20-50 mm, Subangular blocky; Earthy fabric; Medium, (5 - 10) mm crack; Moderately moist; Very weak consistence; Field pH 8.5 (pH meter);
	0.2 - 0.3 m	Dark red (2.5YR3/6-Moist); ; Medium clay; Strong grade of structure, 20-50 mm, Angular blocky; Earthy fabric; Medium, (5 - 10) mm crack; Very weak consistence; 2-10%, Gravel, coarse fragments; Gradual change to -
	0.3 - 0.4 m	Dark red (2.5YR3/6-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Earthy fabric; Medium, (5 - 10) mm crack; Very weak consistence; 0-2%, Gravel, coarse fragments; Gradual change to -
	0.4 - 0.5 m	Dark red (2.5YR3/6-Moist); ; Medium clay; Moderate grade of structure, 50-100 mm, Angular blocky; Earthy fabric; Medium, (5 - 10) mm crack; Very weak consistence; 0-2%, Gravel, coarse fragments; Field pH 8.5 (pH meter);
	0.5 - 0.6 m	Dark red (2.5YR3/6-Moist); ; Medium clay; Weak grade of structure, 50-100 mm, Angular blocky; Medium, (5 - 10) mm crack; Very weak consistence; 0-2%, Gravel, coarse fragments;
	0.6 - 0.7 m	Dark red (2.5YR3/6-Moist); ; Medium clay; Weak grade of structure, 50-100 mm, Angular blocky; Medium, (5 - 10) mm crack; Very weak consistence; 0-2%, Gravel, coarse fragments;
	0.7 - 0.8 m	Dark red (2.5YR3/6-Moist); ; Heavy clay; Massive grade of structure; 0-2%, Gravel, coarse fragments;

Dark red (2.5YR3/6-Moist); ; Heavy clay; Massive grade of structure;

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Agency Name: CSIRO Division of Soils (WA)

0.9 - 1 m Dark red (2.5YR3/6-Moist);;

**Morphological Notes Observation Notes** 

Site Notes BUNGAROO CK

Project Name: FOR
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Laboratory	rest Re	esuits:										
Depth	рН	1:5 EC		hangeable	Cations	E	xchangeable	CEC		ECEC		ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/	Acidity kg					%
0 - 0.05 0.05 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.4 - 0.5 0.5 - 0.6 0.6 - 0.7 0.7 - 0.8 0.8 - 0.9	7.8A 8A 8.1A 8.3A 8.3A 8.2A 8A 7.8A	0.09A 0.09A 0.09A 0.09A 0.119A 0.179A 0.387A 0.565A 0.774A										
0.9 - 1 <b>Depth</b>	7.8A CaCO3	0.923A  Organic	Avail.	Total	Total	Total	Bulk	Pa	rticle	Size /	Analysis	s
m	%	C %	P mg/kg	P %	N %	K %	Density Mg/m3	G۷	cs	FS %	Silt	Clay
0 - 0.05 0.05 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.4 - 0.5 0.5 - 0.6 0.6 - 0.7 0.7 - 0.8 0.8 - 0.9 0.9 - 1			10C 4C 10C 3C 5C 4C 2C 4C 4C 4C 9C 6C		0.06 0.05 0.05 0.05 0.05 0.05 0.05 0.05	6B 2B 4B 5B 4B 2B 4B 2B 2B		26 18 20 41 29 27 17 15 23 25 22	14D 11D 11D 10D 11D 8D 9D	39 29 23 23 22 23 22	34 35 29 24 23 21 19	24 33 39 44 47
Depth	Depth COLE Gravimetric/Volumetric Water Contents								K sa	ıt	K unsa	ıt
m		Sat.	0.05 Bar	0.1 Bar g/g	0.5 Bar J - m3/m3	1 Bar	5 Bar 1	5 Bar	mm/	h	mm/h	
0 - 0.05 0.05 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.4 - 0.5 0.5 - 0.6 0.6 - 0.7 0.7 - 0.8 0.8 - 0.9 0.9 - 1												

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**CSIRO** Division of Soils (WA)

## **Laboratory Analyses Completed for this profile**

EC of 1:5 soil/water extract pH of 1:5 soil/water suspension Total nitrogen (%) - Not recorded 3A1 4A1 7\_NR 9\_NR

Available P (mg/kg) - Not recorded Available P (mg/kg) - Not recorded Gravel (%) Clay (%) - Plummet balance Coarse sand (%) - Plummet balance Fine sand (%) - Plummet balance Silt (%) - Plummet balance 9\_NR P10\_GRAV P10\_PB\_C P10\_PB\_CS P10\_PB\_FS P10\_PB\_Z