Project Name: BOC
Project Code: BOC **Site ID:** P99 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (WA)

Site Information

Desc. By: T.R. Poutsma
Locality: ~10 chains N.E. from point 0.4KM south along road 68 from intersectionof road 68 and road 6101:
Date Desc.: 18/09/51
Elevation: No Data
Map Ref.: Sheet No. : 2135 1:100000
Rainfall: 0
Northing/Long.: 116.374722222222
Runoff: Rapid
Easting/Lat.: -31.1472222222222
Drainage: Moderately well drained

Geology

ExposureType: Soil pit
Conf. Sub. is Parent. Mat.: No Data
Geol. Ref.: No Data
Substrate Material: Igneous rock (unidentified)

Land Form

Rel/Slope Class: No Data
Pattern Type: Peneplain
Morph. Type: Mid-slope
Relief: No Data
Elem. Type: Footslope
Slope Category: Very gently sloped
Slope: 0 %
Aspect: No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
Mottled Calcic Brown Chromosol
ASC Confidence:
Analytical data are incomplete but reasonable confidence.
Mapping Unit: N/A
Principal Profile Form: N/A
Great Soil Group: N/A

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Forb, , . *Species includes - None recorded

Tall Strata - Tree, , . *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.06 m	Greyish brown (10YR5/2-Moist); ; Loamy sand; Single grain grade of structure; Dry; Loose consistence; Diffuse, Smooth change to -
A2	0.06 - 0.3 m	Light brown (7.5YR6/4-Moist); ; Sand; Single grain grade of structure; Dry; Loose consistence; Diffuse, Irregular change to -
A3	0.3 - 0.38 m	Light brownish grey (10YR6/2-Moist); ; Sand; Dry; Firm consistence; Clear, Irregular change to -
B1	0.38 - 0.63 m	Yellowish brown (10YR5/6-Moist); , 5YR44; , 10YR61; Medium clay; Massive grade of structure; Fine, (0 - 5) mm crack; Very strong consistence; Diffuse, Irregular change to -
B2	0.63 - 1.07 m	Yellowish brown (10YR5/6-Moist); , 10YR61, 2-10% ; , 2-10% ; Medium clay; Massive grade of structure; Rigid consistence; , Calcareous, Coarse (6 - 20 mm), Concretions;
B3	1.22 - 1.63 m	Yellowish brown (10YR5/6-Moist); , 10YR61; , 5YR44; Sandy medium clay; Rigid consistence; 2-10%, Substrate material, coarse fragments;

Morphological Notes

Observation Notes

122-163CM GV FERRUGINISED:

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable Acidity	CEC	ECEC	ESP
			Ca	Mg	K	Na				
m		dS/m	Cmol (+)/kg							%
0 - 0.06	6.2A	0.03A	1.7K	1.8	0.08				3.8B	
0.06 - 0.3	6.8A	0.015A								
0.3 - 0.38	6.8A	0.015A								
0.38 - 0.63	7A	0.155A	1.7K	4.1	1.55				7.5B	
0.63 - 1.07	8.9A	0.369A								
1.22 - 1.63	8.9A	0.518A								

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis				
								GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.06												
0.06 - 0.3												
0.3 - 0.38												
0.38 - 0.63												
0.63 - 1.07												
1.22 - 1.63												

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 - 0.06										
0.06 - 0.3										
0.3 - 0.38										
0.38 - 0.63										
0.63 - 1.07										
1.22 - 1.63										

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Laboratory Analyses Completed for this profile

15_NR_CA	Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded
15_NR_K	Exch. basic cations (K++) - meq per 100g of soil - Not recorded
15_NR_MG	Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded
15J_H	Sum of Ex. cations + Ex. acidity - Sum of basic exch. cations and exch. (Hydrogen)
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