BOC **Project Name:**

Project Code: BOC Site ID: P103 Observation ID: 1

Agency Name: CSIRO Division of Soils (WA)

Site Information

Desc. By: T.R. Poutsma Locality: ~20 chains from point 0.5KM south along road 1806

from junction of road1806 and road 6101:

Date Desc.: 18/09/51 Elevation: No Data Sheet No.: 2135 1:100000 Rainfall: n

Map Ref.: Northing/Long.: Moderately rapid 116.38444444445 Runoff: Easting/Lat.: -31.149444444445 Drainage: Moderately well drained

Geology

ExposureType: Conf. Sub. is Parent. Mat.: No Data Soil pit

Geol. Ref.: No Data **Substrate Material:** Unconsolidated material (unidentified)

Land Form

Rel/Slope Class: No Data Pattern Type: Peneplain Morph. Type: Relief: No Data Lower-slope

Elem. Type: Slope Category: Very gently sloped Footslope

Aspect: No Data Slope:

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification: Mapping Unit: N/A Mesotrophic Subnatric Grey Sodosol **Principal Profile Form:** N/A **ASC Confidence: Great Soil Group:** N/A

Analytical data are incomplete but reasonable confidence. Site Disturbance: No effective disturbance. Natural

Vegetation:

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

Surface Coarse Fragments: 2-10%, , , Substrate material

Profile Morphology

A1	0 - 0.06 m	Grey (10YR6/1-Moist); ; Loamy sand; Single grain grade of structure; Dry; Loose consistence; 10-20%, fine gravelly, 2-6mm, Substrate material, coarse fragments; Diffuse, Smooth change to
A2	0.06 - 0.15 m	Light brownish grey (10YR6/2-Moist); ; Loamy sand; Single grain grade of structure; Dry; Loose consistence; 20-50%, medium gravelly, 6-20mm, Substrate material, coarse fragments; Diffuse change to -
B1	0.15 - 0.69 m	Light olive grey (5Y6/2-Moist); ; Sandy medium clay; Dry; Very weak consistence; 50-90%, medium gravelly, 6-20mm, Substrate material, coarse fragments; Diffuse change to -
B2	0.69 - 0.96 m	Grey (10YR6/1-Moist); , 10YR56; Medium clay; Very strong consistence; 50-90%, medium gravelly, 6-20mm, Substrate material, coarse fragments; Diffuse change to -
B3	0.96 - 1.4 m	Grey (10YR6/1-Moist); , 10YR56; Heavy clay; Rigid consistence; 10-20%, medium gravelly, 6-20mm, Substrate material, coarse fragments;
B4	1.4 - 2.29 m	Yellow (10YR7/8-Moist); , 10YR61; Heavy clay; Weak consistence; 10-20%, medium gravelly, 6-20mm, Substrate material, coarse fragments;

Morphological Notes

Observation Notes

GV THROUGHOUT FERRUGINISED:15-69CM TEXTURAL CHANGE OVER 58CM LS-SCL-L:

Site Notes

AVON LD

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Laboratory Test Results:

aboratory root recounter												
Depth	рН	1:5 EC		angeable			Exchangeable	CEC ECEC			ESP	
m		dS/m	a M	g	K	Na Cmol (+	Acidity ·)/kg					%
0 - 0.06 0.06 - 0.15	6.1A 6.3A	0.027A 0.021A	3.3K	1.2	0.29	0.06				2.9B		
0.15 - 0.69 0.69 - 0.96	6.5A 7A	0.024A 0.036A	1.6K	1.7	0.14	0.14				3.6B		
0.96 - 1.4 1.4 - 2.29	7.3A 7.5A	0.057A 0.557A	2.2K	2.9	0.07	0.38				5.6B		
Depth m	CaCO3	Organic C %	Avail. P mg/kg	Total P %	Total N %	Tota K %	l Bulk Density Mg/m3	Pa GV	rticle :	Size FS %	Analysi: Silt	s Clay
0 - 0.06 0.06 - 0.15 0.15 - 0.69 0.69 - 0.96 0.96 - 1.4 1.4 - 2.29	70	70	iligikg	70	70	70	мgліз			76		

Depth	COLE	Gravimetric/Volumetric Water Contents								K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m				q,	/g - m3/m3	3			mm/h	mm/h

0 - 0.06 0.06 - 0.15 0.15 - 0.69 0.69 - 0.96 0.96 - 1.4 1.4 - 2.29

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Laboratory Analyses Completed for this profile

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

15J_H

3A1 EC of 1:5 soil/water extract 4A1 pH of 1:5 soil/water suspension