

**Project Name:** BOC  
**Project Code:** BOC      **Site ID:** P98      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (WA)

**Site Information**

<b>Desc. By:</b>	T.R. Poutsma	<b>Locality:</b>	10 chains south from 350 chain mark on road No.2305 (50 chains east from junction with road 3031) on Base B:
<b>Date Desc.:</b>	17/09/51	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>		<b>Rainfall:</b>	0
<b>Northing/Long.:</b>	116.2458333	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	-31.07083333	<b>Drainage:</b>	No Data

**Geology**

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

**Land Form**

<b>Rel/Slope Class:</b>	Undulating plains <9m 3-10%	<b>Pattern Type:</b>	Penepplain
<b>Morph. Type:</b>	Mid-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Footslope	<b>Slope Category:</b>	Moderately inclined
<b>Slope:</b>	0 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):**

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Haplic Mesotrophic Brown Kandosol		<b>Principal Profile Form:</b>	N/A
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	N/A

No analytical data are available but confidence is fair.

**Site Disturbance:** Limited clearing, for example selective logging

**Vegetation:**

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

**Surface Coarse Fragments:** 20-50%, , , Gravel

**Profile Morphology**

A1	0 - 0.04 m	Greyish brown (10YR5/2-Moist); ; Loamy fine sand; Single grain grade of structure; Dry; Loose consistence; 20-50%, medium gravelly, 6-20mm, Substrate material, coarse fragments; Diffuse, Smooth change to -
A2	0.04 - 0.43 m	Brown (10YR4/3-Moist); ; Loamy fine sand; Single grain grade of structure; Dry; Loose consistence; 50-90%, medium gravelly, 6-20mm, Substrate material, coarse fragments; Diffuse change to -
A3	0.43 - 0.56 m	Brown (7.5YR4/4-Moist); ; Fine sandy clay loam; Dry; Weak consistence; 50-90%, medium gravelly, 6-20mm, Substrate material, coarse fragments; Diffuse change to -
B	0.56 - 0.71 m	Dark brown (7.5YR3/4-Moist); ; Sandy medium clay; Moderately moist; Weak consistence; 20-50%, medium gravelly, 6-20mm, Substrate material, coarse fragments; Diffuse, Irregular change to -
B	0.71 - 1.02 m	Reddish brown (2.5YR4/4-Moist); , 10YR76; Medium clay; Dry; Firm consistence; 20-50%, stony, 200-600mm, dispersed, Substrate material, coarse fragments;

**Morphological Notes**

**Observation Notes**

AL GRAVEL THROUGHOUT IS FERRUGINISED:56-102CM QZ OR QU ALSO:

**Site Notes**

MELBOURNE LD

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**Laboratory Test Results:**

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity		%
0 - 0.04	6.3A	0.033A	4.6K	1.4	0.41	0.15		6.6B	
0.04 - 0.43	6.4A	0.027A							
0.43 - 0.56	6.7A	0.024A	2.3K	1.5	0.13	0.15		4.1B	
0.56 - 0.71	6.8A	0.027A	2.7K	2	0.13	0.16		5B	
0.71 - 1.02	6.7A	0.042A				2			

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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
15_NR_NA	Exch. basic cations (Na++) - 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