

**Project Name:** BOC  
**Project Code:** BOC      **Site ID:** P97      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (WA)

**Site Information**

<b>Desc. By:</b>	T.R. Poutsma	<b>Locality:</b>	20 chains along road No.6106 from intersection with road No.1806:
<b>Date Desc.:</b>	17/09/51	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 2135    1:100000	<b>Rainfall:</b>	0
<b>Northing/Long.:</b>	116.386666666667	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	-31.145	<b>Drainage:</b>	Well drained

**Geology**

<b>Exposure Type:</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>	Peneplain
<b>Morph. Type:</b>	Mid-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Footslope	<b>Slope Category:</b>	Gently 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 Yellow 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:** Complete clearing. Pasture, native or improved, cultivated at some stage

**Vegetation:**

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

**Surface Coarse Fragments:** 10-20%, , , Gravel

**Profile Morphology**

A1	0 - 0.05 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, Irregular change to -
A2	0.05 - 0.71 m	Brown (7.5YR4/4-Moist); ; Fine sandy loam; Single grain grade of structure; Dry; Loose consistence; 50-90%, medium gravelly, 6-20mm, Substrate material, coarse fragments; Diffuse change to -
A3	0.71 - 1.57 m	Yellowish brown (10YR5/6-Moist); ; Fine sandy clay loam; Moderately moist; Loose consistence; 50-90%, medium gravelly, 6-20mm, Substrate material, coarse fragments; Diffuse
B1	1.57 - 2.16 m	Brownish yellow (10YR6/8-Moist); ; Fine sandy medium clay; Moist; Loose consistence; 90-100%, coarse gravelly, 20-60mm, Substrate material, coarse fragments;
	2.16 - 2.51 m	Brownish yellow (10YR6/8-Moist); ; Medium clay; 90-100%, coarse gravelly, 20-60mm, Substrate material, coarse fragments;

**Morphological Notes**

**Observation Notes**

216-251CM GV INCREASE IN SIZE + AMOUNT WITH DEPTH INTO MASSIVE LATERITE:

**Site Notes**

MELBOURNE LD

**Laboratory Test Results:**

[illegible]

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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