

**Project Name:** BOB  
**Project Code:** BOB      **Site ID:** B506      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (QLD)

**Site Information**

<b>Desc. By:</b>	R. Paton	<b>Locality:</b>	
<b>Date Desc.:</b>	25/10/63	<b>Elevation:</b>	67 metres
<b>Map Ref.:</b>	Sheet No. : 9342    1:100000	<b>Rainfall:</b>	914
<b>Northing/Long.:</b>	152.755277777778	<b>Runoff:</b>	Very rapid
<b>Easting/Lat.:</b>	-27.821666666667	<b>Drainage:</b>	Moderately well drained

**Geology**

<b>ExposureType:</b>	Soil pit	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	Jw	<b>Substrate Material:</b>	Soil pit, 0.81 m deep, Sandstone

**Land Form**

<b>Rel/Slope Class:</b>	No Data	<b>Pattern Type:</b>	Hills
<b>Morph. Type:</b>	Mid-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	No Data
<b>Slope:</b>	8.7 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):** Hardsetting

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Magnesian Mottled-Mesonatric Yellow Sodosol		<b>Principal Profile Form:</b>	Dr3.41
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Soloth
All necessary analytical data are available.			

**Site Disturbance:** No effective disturbance other than grazing by hoofed animals

**Vegetation:**

Tall Strata - Tree, 6.01-12m, Closed or dense. \*Species includes - None Recorded

**Surface Coarse Fragments:** No surface coarse fragments

**Profile Morphology**

A1	0 - 0.09 m	Brown (10YR4/3-Moist); ; Sandy loam; Weak grade of structure, 5-10 mm, Polyhedral; Dry; Very weak consistence; Field pH 5.5 (pH meter); Many, fine (1-2mm) roots; Clear change to -
A2	0.09 - 0.28 m	Very pale brown (10YR7/3-Moist); White (10YR8/2-Dry); ; Sandy loam; Massive grade of structure; Many (>5 per 100mm <sup>2</sup> ) Fine (1-2mm) macropores, Dry; Very weak consistence; Field pH 6 (pH meter); Many, fine (1-2mm) roots; Sharp change to -
B2	0.28 - 0.38 m	Light brown (7.5YR6/4-Moist); , 10R58, 20-50% , 5-15mm, Distinct; , 10YR83, 20-50% , 5-15mm, Distinct; Medium heavy clay; Moderate grade of structure, 5-10 mm, Polyhedral; Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, Quartz, coarse fragments; Field pH 5.6 (pH meter); Few, fine (1-2mm) roots; Gradual change to -
B22	0.38 - 0.66 m	Red (2.5YR4/6-Moist); , 2.5YR61, 20-50% , 5-15mm, Distinct; , 20-50% , 5-15mm, Distinct; Medium clay; Moderate grade of structure, 10-20 mm, Polyhedral; Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, Quartz, coarse fragments; Field pH 5.2 (pH meter); Few, fine (1-2mm) roots; Gradual change to -
B3	0.66 - 0.81 m	Yellowish red (5YR5/6-Moist); , 10YR61, 10-20% , 30-mm, Distinct; , 10-20% , 30-mm, Distinct; Medium clay; Weak grade of structure, 20-50 mm, Polyhedral; Dry; Strong consistence; Field pH 4.9 (pH meter); Few, fine (1-2mm) roots; Gradual change to -
C	0.81 - 1.19 m	;

**Morphological Notes**

C B(7.5YR5/8) & pgY; heavy clay loam; massive moist very firm:

**Observation Notes**

.81-1.19M IS ALTERED FINELY-BEDDED SANDSTONE AND SHALE:

**Site Notes**

FLINDERS

**Observation ID: 1**

[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_H	Hydrogen Cation - 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
2A1	Air-dry moisture content
3_NR	Electrical conductivity or soluble salts - Not recorded
4_NR	pH of soil - Not recorded
5_NR	Water soluble Chloride - Cl(%) - Not recorded
6A1	Organic carbon - Walkley and Black
7_NR	Total nitrogen (%) - Not recorded
9_NR	Available P (mg/kg) - Not recorded
9A_NR	Total element - P(%) - Not recorded
P10_GRAV	Gravel (%)
P10_NR_C	Clay (%) - Not recorded
P10_NR_CS	Coarse sand (%) - Not recorded
P10_NR_FS	Fine sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded
P3A_NR	Bulk density - Not recorded
P3B_VL_01	0.1 BAR Moisture m3/m3 - Volumetric using suction plate
P3B_VL_15	15 BAR Moisture m3/m3 - Volumetric using pressure plate