

Project Name: BOB
Project Code: BOB **Site ID:** B512 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	R. Paton	Locality:	
Date Desc.:	06/11/63	Elevation:	213 metres
Map Ref.:	Sheet No. : 9442 1:100000	Rainfall:	864
Northing/Long.:	152.9	Runoff:	Moderately rapid
Easting/Lat.:	-27.907777777778	Drainage:	Imperfectly drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Jm	Substrate Material:	Soil pit, 1 m deep,Sandstone

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Hills
Morph. Type:	No Data	Relief:	213 metres
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	8.7 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Acidic Eutrophic Red Kandosol		Principal Profile Form:	Dy4.21
ASC Confidence:		Great Soil Group:	Red earth
All necessary analytical data are available.			

Site Disturbance: No effective disturbance. Natural

Vegetation:

Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.04 m	Brown (7.5YR4/4-Moist); ; Sandy loam; Strong grade of structure, <2 mm, Granular; Dry; Loose consistence; 0-2%, medium gravelly, 6-20mm, Quartz, coarse fragments; Field pH 6.2 (pH meter); Many, fine (1-2mm) roots; Sharp change to -
A2	0.04 - 0.23 m	Yellowish red (5YR5/8-Moist); ; Sandy loam (Heavy); Massive grade of structure; Dry; Very weak consistence; Field pH 7.4 (pH meter); Many, fine (1-2mm) roots; Gradual change to -
B1	0.23 - 0.43 m	Red (2.5YR5/6-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; Field pH 7.6 (pH meter); Common, fine (1-2mm) roots; Clear change to -
B2	0.43 - 0.69 m	Red (2.5YR5/7-Moist); ; Light medium clay; Weak grade of structure, 10-20 mm, Polyhedral; Earthy fabric; Dry; Very firm consistence; Field pH 5 (pH meter); Common, fine (1-2mm) roots; Gradual change to -
BC	0.69 - 0.86 m	Red (2.5YR5/7-Moist); , 10YR56, 2-10% , 0-5mm, Faint; , 2-10% , 0-5mm, Faint; Light clay; Weak grade of structure, 10-20 mm, Polyhedral; Dry; Very firm consistence; 0-2%, Sandstone, coarse fragments; Field pH 4.7 (pH meter);

Morphological Notes

Observation Notes

SOFTWOOD SCRUB:

Site Notes

MILLBONG

Observation ID: 1

Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.04	6.2H	0.1B	11.5K	1.5	0.78	0.04	6D			
0.04 - 0.23	7.4H	0.04B	5.8K	0.61	0.5	0.02	1.7D			
0.23 - 0.43	7.6H	0.02B	5.6K	1.2	0.55	0.02	3.4D			
0.43 - 0.69	5H	0.02B	4.6K	2.3	0.19	0.04	9.6D			
0.69 - 0.86	4.7H	0.02B								

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.04		3.95A	37C	0.036F	0.426B			2	44C	21	9	14
0.04 - 0.23		0.95A		0.022F	0.132B				45C	24	10	18
0.23 - 0.43		0.43A			0.08B				38C	21	9	30
0.43 - 0.69		0.33A		0.015F	0.071B				31C	17	9	43
0.69 - 0.86		0.22A			0.046B			1	39C	15	11	36

[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