

Project Name: BOB
Project Code: BOB **Site ID:** B516 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	R. Paton	Locality:	
Date Desc.:	08/11/63	Elevation:	168 metres
Map Ref.:	Sheet No. : 9442 1:100000	Rainfall:	864
Northing/Long.:	152.749444444444	Runoff:	Moderately rapid
Easting/Lat.:	-27.985555555556	Drainage:	Moderately well drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Jm	Substrate Material:	Soil pit, 0.91 m deep, Sandstone

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Hills
Morph. Type:	Lower-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	10.5 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Mottled Eutrophic Red Dermosol		Principal Profile Form:	Dr5.21
ASC Confidence:		Great Soil Group:	N/A

No analytical data are available but confidence is fair.

Site Disturbance: Limited clearing, for example selective logging

Vegetation:

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

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.08 m	Brown (7.5YR4/3-Moist); ; Loam (Heavy); Strong grade of structure, 5-10 mm, Polyhedral; Dry; Weak consistence; 0-2%, fine gravelly, 2-6mm, Sandstone, coarse fragments; Field pH 6.3 (pH meter); Common, fine (1-2mm) roots; Clear change to -
A12	0.08 - 0.2 m	Brown (7.5YR4/4-Moist); ; Clay loam; Moderate grade of structure, 10-20 mm, Polyhedral; Dry; Weak consistence; 2-10%, medium gravelly, 6-20mm, Substrate material, coarse fragments; Field pH 6.9 (pH meter); Common, fine (1-2mm) roots; Clear change to -
A21	0.2 - 0.36 m	Strong brown (7.5YR4/6-Moist); ; Sandy medium clay; Massive grade of structure; Many (>5 per 0.01m ²) Coarse (>5mm) macropores, Dry; Weak consistence; 0-2%, medium gravelly, 6-20mm, Substrate material, coarse fragments; Field pH 7.3 (pH meter); Few, fine (1-2mm) roots; Gradual change to -
A22	0.36 - 0.48 m	Light brown (7.5YR6/4-Dry); ; Coarse sandy medium clay; Massive grade of structure; Dry; Very weak consistence; 10-20%, coarse gravelly, 20-60mm, Sandstone, coarse fragments; Field pH 7.2 (pH meter); Abrupt change to -
B2	0.48 - 0.64 m	Red (10R4/6-Moist); , 10YR6/2; Heavy clay; Moderate grade of structure, 10-20 mm, Polyhedral; Moderately moist; Very firm consistence; 2-10%, Sandstone, coarse fragments; Field pH 6.1 (pH meter); Gradual change to -
B3	0.64 - 0.91 m	Very pale brown (10YR7/3-Moist); , 7.5YR5/6; Heavy clay; Moderate grade of structure, 10-20 mm, Polyhedral; Moderately moist; Very firm consistence; 0-2%, fine gravelly, 2-6mm, Quartz, coarse fragments; Field pH 5.6 (pH meter);

Morphological Notes

Observation Notes

AFFINITIES WITH G.S.G RED PODZOLIC SOILS: 20CM X 7CM SLABS OF SANDSTONE OCCUR FROM .36M TO .48M AND AGAIN IN .64 TO .91M LAYER. SOME ROCK FABRIC IN B2 HORIZON PEDS:

Site Notes

BOONAH

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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 - 0.08	6.3H	0.06B								
0.08 - 0.2	6.9H	0.03B								
0.2 - 0.36	7.3H	0.01B								
0.36 - 0.48	7.2H	0.01B								
0.48 - 0.64	6.1H	0.04B								
0.64 - 0.91	5.6H	0.05B								

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Laboratory Analyses Completed for this profile

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