

Project Name: BB
Project Code: BB **Site ID:** B501 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	R. Paton	Locality:	
Date Desc.:	22/09/63	Elevation:	9 metres
Map Ref.:	Sheet No. : 9543 1:100000	Rainfall:	1067
Northing/Long.:	153.111666666667	Runoff:	Moderately rapid
Easting/Lat.:	-27.5	Drainage:	Moderately well drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Qa	Substrate Material:	Auger boring, 1 m deep, Shale

Land Form

Rel/Slope Class:	No Data	Pattern Type:	No Data
Morph. Type:	Upper-slope	Relief:	18 metres
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Mottled Natric Red Kurosol		Principal Profile Form:	Dr3.41
ASC Confidence:		Great Soil Group:	Red podzolic soil
All necessary analytical data are available.			

Site Disturbance: Complete clearing. Pasture, native or improved, but never cultivated

Vegetation:

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); ; Sandy loam; Weak grade of structure, 5-10 mm, Angular blocky; Many (>5 per 100mm ²) Fine (1-2mm) macropores, Dry; Very weak consistence; 20-50%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments; Field pH 5.1 (pH meter); Clear change to -
A12	0.1 - 0.2 m	Very dark greyish brown (10YR3/2-Moist); ; Sandy loam; Weak grade of structure, 5-10 mm, Angular blocky; Many (>5 per 100mm ²) Fine (1-2mm) macropores, Dry; Very weak consistence; 50-90%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments; Field pH 5.2 (pH meter); Clear change to -
A2	0.2 - 0.33 m	Yellowish brown (10YR5/4-Moist); Pale brown (10YR6/3-Dry); ; Sandy loam; Massive grade of structure; Many (>5 per 100mm ²) Fine (1-2mm) macropores, Dry; Very weak consistence; 20-50%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments; Field pH 5.4 (pH meter); Abrupt change to -
B21	0.33 - 0.61 m	Dark reddish brown (2.5YR3/4-Moist); , 10YR54, 20-50% , 0-5mm, Faint; , 20-50% , 0-5mm, Faint; Medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Few (<1 per 0.01m ²) Coarse (>5mm) macropores, Dry; Firm consistence; 10-20%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments; Field pH 5.5 (pH meter); Gradual change to -
B22	0.61 - 0.76 m	Dark red (10R3/6-Moist); , 10YR54, 20-50% , 0-5mm, Prominent; , 20-50% , 0-5mm, Prominent; Medium clay; Moderate grade of structure, 10-20 mm, Prismatic; Strong grade of structure, 5-10 mm, Angular blocky; Dry; Very firm consistence; 2-10%, fine gravelly, 2-6mm, Quartz, coarse fragments; Field pH 5.2 (pH meter); Gradual change to -
B3	0.76 - 1.09 m	Light brownish grey (10YR6/2-Moist); , 10R36, 20-50% , 5-15mm, Prominent; , 10YR56, 20-50% , 5-15mm, Prominent; Medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Moderately moist; Firm consistence; 2-10%, fine gravelly, 2-6mm, Substrate material, coarse fragments; Field pH 5.3 (pH meter); Gradual change to -
B3C	1.09 - 1.27 m	White (10YR8/2-Moist); , 10YR62, 20-50% , 5-15mm, Prominent; , 10R46, 20-50% , 5-15mm, Prominent; Silty medium clay; Weak grade of structure, Angular blocky; Moist; Weak consistence; 2-10%, fine gravelly, 2-6mm, Substrate material, coarse fragments; Field pH 5.4 (pH meter);

Morphological Notes

Observation Notes

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BRISBANE

Site Notes

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Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m		g/g - m3/m3							mm/h	mm/h
0 - 0.1										
0.1 - 0.2										
0.2 - 0.33										
0.33 - 0.61										
0.61 - 0.76										
0.76 - 1.09										
1.09 - 1.27										

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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