

Project Name: RR
Project Code: RR **Site ID:** B566 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	22/10/66	Elevation:	3 metres
Map Ref.:	Sheet No. : 9348 1:100000	Rainfall:	1105
Northing/Long.:	152.333333333333	Runoff:	Very slow
Easting/Lat.:	-24.766666666667	Drainage:	Very poorly drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Qa	Substrate Material:	Undisturbed soil core, 1 m deep, Unconsolidated material

Land Form

Rel/Slope Class:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	2 metres
Elem. Type:	Plain	Slope Category:	Level
Slope:	0 %	Aspect:	0 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Eutrophic Dermosolic Redoxic Hydrosol		Principal Profile Form:	Gn3.41
ASC Confidence:		Great Soil Group:	Humic gley
Analytical data are incomplete but reasonable confidence.			

Site Disturbance: Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

Tall Strata - Sod grass, 0.26-0.5m, Closed or dense. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.05 m	Very dark greyish brown (10YR3/2-Moist); ; Clay loam; Strong grade of structure, 2-5 mm, Granular; Moist; Very weak consistence; Field pH 5.8 (pH meter); Many, fine (1-2mm) roots; Abrupt change to -
B2	0.05 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); , 5YR33, 20-50% , 0-5mm, Distinct; , 7.5YR58, 20-50% , 0-5mm, Distinct; Light clay; Strong grade of structure, 20-50 mm, Prismatic; 10-20 mm, Angular blocky; Moist; Firm consistence; Field pH 5.6 (pH meter); Many, fine (1-2mm) roots;
B2	0.1 - 0.2 m	Very dark greyish brown (10YR3/2-Moist); , 5YR33, 20-50% , 0-5mm, Distinct; , 7.5YR58, 20-50% , 0-5mm, Distinct; Light clay; Strong grade of structure, 20-50 mm, Prismatic; 10-20 mm, Angular blocky; Moist; Firm consistence; Field pH 5.6 (pH meter); Common, fine (1-2mm) roots;
B2	0.2 - 0.27 m	Very dark greyish brown (10YR3/2-Moist); , 5YR33, 20-50% , 0-5mm, Distinct; , 7.5YR58, 20-50% , 0-5mm, Distinct; Light clay (Heavy); Strong grade of structure, 20-50 mm, Prismatic; 10-20 mm, Angular blocky; Moist; Firm consistence; Field pH 5.3 (pH meter); Common, fine (1-2mm) roots; Diffuse change to -
B2	0.27 - 0.3 m	Very dark greyish brown (10YR3/2-Moist); , 7.5YR58, 20-50% , 0-5mm, Distinct; , 5YR33, 20-50% , 0-5mm, Distinct; Light medium clay; Strong grade of structure, 20-50 mm, Prismatic; 10-20 mm, Angular blocky; Moist; Firm consistence; Very few (0 - 2 %), Ferromanganiferous, , Soft segregations; Field pH 5.2 (pH meter); Few, fine (1-2mm) roots;
B2g	0.3 - 0.43 m	Grey (2.5Y5/1-Moist); , 10YR66, 20-50% , 0-5mm, Prominent; , 10R46, 20-50% , 0-5mm, Prominent; Medium clay; Moderate grade of structure, 20-50 mm, Prismatic; 10-20 mm, Angular blocky; Moist; Moderately plastic; Very few (0 - 2 %), Ferromanganiferous, , Nodules; Field pH 5.1 (pH meter);
B2g	0.43 - 0.61 m	Grey (2.5Y5/1-Moist); , 10YR66, 20-50% , 5-15mm, Prominent; , 10R46, 20-50% , 5-15mm, Prominent; Medium clay; Moderate grade of structure, 20-50 mm, Prismatic; 10-20 mm, Angular blocky; Moist; Moderately plastic; Very few (0 - 2 %), Ferromanganiferous, , Nodules; Field pH 4.8 (pH meter);

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B2g	0.61 - 0.66 m	Grey (2.5Y5/1-Moist); , 10YR66, 20-50% , 5-15mm, Prominent; , 10R46, 20-50% , 5-15mm, Prominent; Medium clay; Moderate grade of structure, 20-50 mm, Prismatic; 10-20 mm, Angular blocky; Moist; Moderately plastic; Very few (0 - 2 %), Ferromanganiferous, , Nodules; Field pH 4.8 (pH meter);
B2g	0.66 - 0.84 m	Grey (2.5Y5/1-Moist); , 10YR66, 20-50% , 5-15mm, Prominent; , 10R46, 20-50% , 5-15mm, Prominent; Medium clay; Moderate grade of structure, 20-50 mm, Prismatic; 10-20 mm, Angular blocky; Moist; Moderately plastic; Very few (0 - 2 %), Ferromanganiferous, , Nodules; Field pH 4.9 (pH meter); Diffuse change to -
B3g	0.84 - 0.92 m	(N4/0-Moist); , 10YR66, 10-20% , 0-5mm, Distinct; , 10-20% , 0-5mm, Distinct; Light medium clay; Weak grade of structure, 20-50 mm, Prismatic; 10-20 mm, Angular blocky; Moist; Moderately plastic; Field pH 5.2 (pH meter);

Morphological Notes

Observation Notes

0-5CM POROUS GRANULAR STRUCTURE:PARENT MATERIAL ESTURINE - MARINE SEDIMENTS:

Site Notes

BUNDABERG

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[illegible]

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Laboratory Analyses Completed for this profile

10A_NR	Total element - S(%) - Not recorded
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
17A_NR	Total element - K(%) - 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
6Z	Organic carbon (%) - Not recorded
9_NR	Available P (mg/kg) - Not recorded
9A_NR	Total element - P(%) - Not recorded
9G_BSES	Available P (mg/kg) - Acid P - 0.005M H2SO4 (BSES)
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