Project Name: BB
Project Code: BB **Site ID:** B356 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By: G.G. Beckmann
Date Desc.: 21/08/58
Map Ref.: Sheet No. : 9542 1:100000
Northing/Long.: 153.155555555556
Easting/Lat.: -27.6261111111111
Locality:
Elevation: 97 metres
Rainfall: 0
Runoff: Slow
Drainage: Moderately well drained

Geology

ExposureType: Soil pit
Geol. Ref.: RJo
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: Soil pit, 0.41 m deep,Shale

Land Form

Rel/Slope Class: No Data
Morph. Type: Crest
Elem. Type: Hillslope
Slope: 0 %
Pattern Type: Low hills
Relief: 30 metres
Slope Category: No Data
Aspect: No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Bleached-Mottled Magnesic-Natric Red Kurosol
ASC Confidence:
All necessary analytical data are available.
Mapping Unit: N/A
Principal Profile Form: Dr3.31
Great Soil Group: Red podzolic soil

Site Disturbance: No effective disturbance. Natural

Vegetation:

Tall Strata - Tree, 6.01-12m, Closed or dense. *Species includes - Eucalyptus species, Eucalyptus crebra, Eucalyptus drepanophylla

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.02 m	Dark grey (10YR4/1-Moist); ; Loam; Moderate grade of structure, 5-10 mm, Polyhedral; Moderately moist; Firm consistence; Field pH 5.5 (pH meter); Abundant, very fine (0-1mm) roots; Abrupt change to -
A2	0.02 - 0.08 m	Yellowish brown (10YR5/4-Moist); ; Clay loam; , Polyhedral; Massive grade of structure; Moderately moist; Firm consistence; Field pH 5.3 (pH meter); Abrupt change to -
B21	0.08 - 0.25 m	Dark red (2.5YR3/6-Moist); , 5Y62; Heavy clay; Strong grade of structure, 10-20 mm, Angular blocky; Moderately moist; Very firm consistence; Field pH 5.2 (pH meter); Gradual change to -
B22	0.25 - 0.4 m	Red (2.5YR4/6-Moist); , 5Y61; Heavy clay; Weak grade of structure, Angular blocky; Moderately moist; Very firm consistence; 0-2%, Shale, coarse fragments; Field pH 5.1 (pH meter); Gradual change to -
C	0.4 - 0.48 m	Grey (5Y6/1-Moist); , 10YR52; Heavy clay; Massive grade of structure; Moderately moist; Very firm consistence; 10-20%, Shale, coarse fragments; Field pH 5 (pH meter);

Morphological Notes

Observation Notes

Site Notes

DAISY HILL

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable Acidity	CEC	ECEC	ESP
			Ca	Mg	K	Na				
m		dS/m	Cmol (+)/kg							%
0 - 0.02	5.5H	0.03C								
0.02 - 0.08	5.3H	0.02C	2.4K	4.2	0.7	0.26		32.4J		0.80
0.08 - 0.25	5.2H	0.02C								
0.25 - 0.4	5.1H	0.02C	0.27K	6.4	0.55	1.1		38.2J		2.88
0.4 - 0.48	5H	0.03C								

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.02		6.7E 9.04E	21C									
0.02 - 0.08		3.2E 4.47E		0.048F	0.2B				10C	20	31	32
0.08 - 0.25									6C	9	31	57
0.25 - 0.4									3C	4	27	68
0.4 - 0.48												

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 - 0.02									
0.02 - 0.08									
0.08 - 0.25									
0.25 - 0.4									
0.4 - 0.48									

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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_CEC	CEC - 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
3A_TSS	Electrical conductivity or soluble salts - Total soluble salts %
4_NR	pH of soil - Not recorded
5_NR	Water soluble Chloride - Cl(%) - Not recordede
6Z	Organic carbon (%) - Not recorded
7_NR	Total nitrogen (%) - Not recorded
9_NR	Available P (mg/kg) - Not recorded
9A_NR	Total element - P(%) - Not recorded
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