

Project Name: DD
Project Code: DD **Site ID:** B207 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	01/11/53	Elevation:	518 metres
Map Ref.:	Sheet No. : 9242 1:100000	Rainfall:	660
Northing/Long.:	151.788888888889	Runoff:	Moderately rapid
Easting/Lat.:	-27.639444444445	Drainage:	Well drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Tm	Substrate Material:	Soil pit, 0.38 m deep,Porous, Basalt

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Plateau
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Summit surface	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Eutrophic Red Ferrosol	Principal Profile Form:	Gn3.12
ASC Confidence:	Great Soil Group:	Euchrozem

Analytical data are incomplete but reasonable confidence.

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation: Low Strata - Tussock grass, , . *Species includes - Dichanthium sericeum, Danthonia species
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - None Recorded

Surface Coarse Fragments: 2-10%, cobbly, 60-200mm, , Basalt

Profile Morphology

A1	0 - 0.05 m	Dark brown (7.5YR3/2-Dry); ; Clay loam; Moderate grade of structure, 5-10 mm, Angular blocky; Moderately moist; Weak consistence; 2-10%, medium gravelly, 6-20mm, Substrate material, coarse fragments; Field pH 6.4 (pH meter); Many, very fine (0-1mm) roots; Clear change to -
A3	0.05 - 0.2 m	Dark brown (7.5YR3/2-Dry); ; Light clay; Moderate grade of structure, 5-10 mm, Angular blocky; Moderately moist; Weak consistence; 10-20%, coarse gravelly, 20-60mm, Substrate material, coarse fragments; Field pH 6.6 (pH meter); Common, very fine (0-1mm) roots; Gradual change to -
B2	0.2 - 0.33 m	Dark reddish brown (2.5YR3/3-Moist); ; Medium clay; Strong grade of structure, 5-10 mm, Angular blocky; Moist; Weak consistence; 20-50%, medium gravelly, 6-20mm, Substrate material, coarse fragments; Field pH 7.1 (pH meter); Few, very fine (0-1mm) roots; Gradual change to -
C	0.38 - 0.53 m	; Field pH 6.8 (pH meter);

Morphological Notes

C Mottled weathered basalt with pockets of clay

Observation Notes

Site Notes

DARLING DOWNS

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Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.05	6.4H	0.02B	18.6K	9.8	1.1	0	14.2D			
0.05 - 0.2	6.6H	0.01B								
0.2 - 0.33	7.1H	0.02B	22.5K	14.6	0.24	0.35	10D			
0.38 - 0.53	6.8H	0.08B								

[illegible][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
2_LOI	Loss on Ignition (%)
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