

Project Name: DD
Project Code: DD **Site ID:** B169 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	12/07/52	Elevation:	800 metres
Map Ref.:	Sheet No. : 9242 1:100000	Rainfall:	914
Northing/Long.:	151.791666666667	Runoff:	Moderately rapid
Easting/Lat.:	-27.613611111111	Drainage:	Moderately well drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Czb	Substrate Material:	Auger boring, 2.6 m deep, No Data

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Plateau
Morph. Type:	Crest	Relief:	95 metres
Elem. Type:	Summit surface	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry): Soft

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Snuffy Mesotrophic Red Ferrosol	Principal Profile Form:	Gn4.11
ASC Confidence:	Great Soil Group:	Red earth

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 - Bothriochloa species
Mid Strata - Shrub, , . *Species includes - None recorded
Tall Strata - Tree, , Mid-dense. *Species includes - Eucalyptus andrewsii, Eucalyptus propinqua

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.08 m	Dark reddish brown (5YR3/4-Moist); ; Loam; Massive grade of structure; Moderately moist; Very weak consistence; Field pH 5.8 (pH meter); Abundant, fine (1-2mm) roots; Clear change to
A3	0.08 - 0.43 m	Dark red (2.5YR3/5-Moist); ; Loam; Massive grade of structure; Moist; Very weak consistence; 0-2%, medium gravelly, 6-20mm, Basalt, coarse fragments; Field pH 6.6 (pH meter); Abundant, fine (1-2mm) roots; Gradual change to -
B1	0.43 - 0.64 m	Dark red (2.5YR3/5-Moist); ; Clay loam (Heavy); Moderate grade of structure, 5-10 mm, Subangular blocky; Moist; Weak consistence; Field pH 6.9 (pH meter); Abundant, fine (1-2mm) roots; Gradual change to -
B21	0.64 - 1.09 m	Dark red (2.5YR3/5-Moist); ; Medium clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Moist; Firm consistence; 0-2%, medium gravelly, 6-20mm, Basalt, coarse fragments; Field pH 6.9 (pH meter); Few, coarse (>5mm) roots; Diffuse change to -
B22	1.09 - 1.55 m	Dark red (2.5YR3/5-Moist); ; Medium clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Moist; Firm consistence; 0-2%, fine gravelly, 2-6mm, Basalt, coarse fragments; Field pH 6.3 (pH meter); Few, coarse (>5mm) roots; Diffuse change to -
B23	1.55 - 2.08 m	Dark red (2.5YR3/5-Moist); ; Medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Moist; Very firm consistence; 0-2%, fine gravelly, 2-6mm, Basalt, coarse fragments; Field pH 5.7 (pH meter); Few, coarse (>5mm) roots; Diffuse change to -
B3	2.13 - 2.59 m	Reddish brown (5YR4/4-Moist); , 10YR54; Heavy clay; Weak grade of structure, 20-50 mm, Subangular blocky; Moist; Very firm consistence; 0-2%, Basalt, coarse fragments; Field pH 5.8 (pH meter);

Morphological Notes

Observation Notes

SURFACE NON-WETTING

Site Notes

DARLING DOWNS

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[illegible]

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Laboratory Analyses Completed for this profile

15_NR	Sum of Ex. cations + Ex. acidity - 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
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
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
P3A_NR	Bulk density - Not recorded
P3B_VL_15	15 BAR Moisture m3/m3 - Volumetric using pressure plate