

Project Name: DD
Project Code: DD **Site ID:** B240 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	04/10/54	Elevation:	372 metres
Map Ref.:	Sheet No. : 9142 1:100000	Rainfall:	610
Northing/Long.:	151.380555555556	Runoff:	Slow
Easting/Lat.:	-27.588888888889	Drainage:	Imperfectly drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Qpc	Substrate Material:	2 m deep, Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	Pattern Type:	Alluvial plain
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Plain	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry): Self-mulching

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Endocalcareous Self-Mulching Black Vertosol		Principal Profile Form:	Ug5.16
ASC Confidence:		Great Soil Group:	Black earth

All necessary analytical data are available.

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

Vegetation:

Tall Strata - Tussock grass, 0.51-1m, Mid-dense. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

AB	0 - 0.08 m	Very dark grey (10YR3/1-Moist); ; Heavy clay; Moderate grade of structure, 5-10 mm, Granular; Dry; Firm consistence; Field pH 6.8 (pH meter); Common, fine (1-2mm) roots; Clear change to -
B2	0.08 - 0.46 m	Very dark grey (10YR3/1-Moist); ; Heavy clay; Moderate grade of structure, 50-100 mm, Angular blocky; Moderately moist; Firm consistence; Field pH 7.3 (pH meter); Few, very fine (0-1mm) roots; Gradual change to -
B2	0.46 - 0.81 m	Very dark grey (10YR3/1-Moist); ; Heavy clay; Moderate grade of structure, Lenticular; Moderately moist; Firm consistence; Field pH 7.9 (pH meter); Few, very fine (0-1mm) roots; Gradual change to -
B2	0.84 - 1.07 m	Dark grey (10YR4/1-Moist); ; Heavy clay; Moderate grade of structure, Lenticular; Moist; Firm consistence; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8.3 (pH meter); Gradual change to -
B2	1.07 - 1.52 m	Grey (10YR5/1-Moist); ; Heavy clay; Moderate grade of structure, Lenticular; Moist; Firm consistence; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8.4 (pH meter);

Morphological Notes

Observation Notes

0-8CM GRANULAR GRADING TO COARSE BLOCKY STRUCTURE

Site Notes

DARLING DOWNS

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[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
19B_NR	Calcium Carbonate (CaCO3) - 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