

Project Name: DD
Project Code: DD **Site ID:** B151 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	C.H. Thompson	Locality:	
Date Desc.:	25/10/51	Elevation:	380 metres
Map Ref.:	Sheet No. : 9243 1:100000	Rainfall:	610
Northing/Long.:	151.534722222222	Runoff:	Slow
Easting/Lat.:	-27.465555555556	Drainage:	Imperfectly drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Czb	Substrate Material:	Auger boring, Porous, Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	Pattern Type:	Alluvial fan
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Drainage depression	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
Epicalcareous Self-Mulching Grey Vertosol		Principal Profile Form:	Ug5.28
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, Closed or dense. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A	0 - 0.08 m	Very dark grey (10YR3/1-Moist); ; Heavy clay; Strong grade of structure, 2-5 mm, Granular; Dry; Weak consistence; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8.3 (pH meter); Many, fine (1-2mm) roots; Clear change to -
	0.08 - 0.41 m	Dark grey (10YR4/1-Moist); ; Heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Firm consistence; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Soft segregations; Field pH 9 (pH meter); Many, fine (1-2mm) roots; Gradual change to -
	0.41 - 0.89 m	Dark greyish brown (10YR4/2-Moist); ; Heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Firm consistence; Very few (0 - 2 %), Manganiferous, , Nodules; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Soft segregations; Field pH 9.4 (pH meter); Few, fine (1-2mm) roots; Gradual change to -
	0.94 - 1.37 m	Dark greyish brown (10YR4/2-Moist); , 10YR52; Heavy clay; Moderate grade of structure, Lenticular; Firm consistence; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Soft segregations; Field pH 9.5 (pH meter);

Morphological Notes

Observation Notes

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_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
19B_NR	Calcium Carbonate (CaCO ₃) - 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_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