

Project Name: DD
Project Code: DD **Site ID:** B208 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	C.H. Thompson	Locality:	
Date Desc.:	02/11/53	Elevation:	503 metres
Map Ref.:	Sheet No. : 9242 1:100000	Rainfall:	686
Northing/Long.:	151.783055555556	Runoff:	Moderately rapid
Easting/Lat.:	-27.617777777778	Drainage:	Imperfectly drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Tm	Substrate Material:	Soil pit, 0.28 m deep, Slightly porous, Basalt

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Plateau
Morph. Type:	No Data	Relief:	30 metres
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
Haplic Self-Mulching Black Vertosol		Principal Profile Form:	Ug5.12
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: Low Strata - Tussock grass, , . *Species includes - Dichanthium sericeum
Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Eucalyptus orgadophylla

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

Profile Morphology

AB	0 - 0.18 m	Very dark grey (10YR3/1-Dry); ; Heavy clay; Strong grade of structure, 2-5 mm, Granular; Dry; Weak consistence; 10-20%, coarse gravelly, 20-60mm, Basalt, coarse fragments; Field pH 7 (pH meter); Gradual change to -
B2	0.18 - 0.28 m	Very dark greyish brown (10YR3/2-Dry); ; Heavy clay; Moderate grade of structure, 10-20 mm, Angular blocky; Dry; Very firm consistence; 20-50%, coarse gravelly, 20-60mm, Basalt, coarse fragments; Field pH 7.2 (pH meter); Gradual change to -
C	0.28 - 0.41 m ;	

Morphological Notes

C Weathered basalt with clayey pockets

Observation Notes

0-18CM GRANULAR GRADING TO BLOCKY STRUCTURE

Site Notes

DARLING DOWNS

Laboratory Test Results:

0 - 0.18	7H	0.02B	34.1K	12	0.84	0	9.9D
0.18 - 0.28	7.2H	0.02B					

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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