

Project Name: DD
Project Code: DD **Site ID:** B226 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	01/11/53	Elevation:	533 metres
Map Ref.:	Sheet No. : 9242 1:100000	Rainfall:	914
Northing/Long.:	151.987222222222	Runoff:	Moderately rapid
Easting/Lat.:	-27.5730555555556	Drainage:	Moderately well drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Jm	Substrate Material:	Soil pit, 0.61 m deep,Porous, Basalt

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Escarpment
Morph. Type:	No Data	Relief:	229 metres
Elem. Type:	Bench	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry): Loose

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Self-Mulching Black Vertosol		Principal Profile Form:	Dd3.12
ASC Confidence:		Great Soil Group:	Prairie soil
All necessary analytical data are available.			

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

Vegetation:

Mid Strata - Shrub, , . *Species includes - Lantana camara

Tall Strata - Tree, 6.01-12m, Closed or dense. *Species includes - Eucalyptus crebra, Tristania conferta

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.11 m	Very dark greyish brown (10YR3/2-Moist); ; Light clay; Strong grade of structure, 2-5 mm, Granular; Moderately moist; Weak consistence; Field pH 6.3 (pH meter); Clear change to -
B21	0.11 - 0.25 m	Very dark greyish brown (10YR3/2-Moist); ; Heavy clay; Moderate grade of structure, 10-20 mm, Angular blocky; Moderately moist; Firm consistence; Field pH 6.4 (pH meter); Gradual change to -
B22	0.25 - 0.48 m	Dark brown (7.5YR3/2-Moist); ; Heavy clay; Moderate grade of structure, 10-20 mm, Angular blocky; Moderately moist; Firm consistence; Field pH 7.1 (pH meter); Gradual change to -
B23	0.48 - 0.61 m	Brown (7.5YR4/4-Moist); ; Heavy clay; Moderate grade of structure, 10-20 mm, Angular blocky; Moderately moist; Firm consistence; 0-2%, medium gravelly, 6-20mm, Basalt, coarse fragments; Field pH 8 (pH meter); Gradual change to -
C	1.12 - 1.22 m ;	

Morphological Notes

C Mottled soft weathered basalt

Observation Notes

0-11CM STRONG POROUS GRANULAR

Site Notes

DARLING DOWNS

Project Name: DD
Project Code: DD Site ID: B226 Observation ID: 1
Agency Name: CSIRO Division of Soils (QLD)

Laboratory Test Results:

[illegible]

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Particle CS	Size FS	Analysis Silt	Analysis Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.11		4.97A	1090C	0.269F	0.28B				2C	21	17	49
0.11 - 0.25												
0.25 - 0.48		0.68A	1190C						1C	22	24	52
0.48 - 0.61	0.06C	0.43A							5C	28	24	41
1.12 - 1.22				0.285F								

[illegible]

Project Name: DD
Project Code: DD **Site ID:** B226 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

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 (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
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_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