

Project Name: DD
Project Code: DD **Site ID:** B227 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.G. Beckmann	Locality:	
Date Desc.:	11/05/54	Elevation:	594 metres
Map Ref.:	Sheet No. : 9242 1:100000	Rainfall:	711
Northing/Long.:	151.99111111111111	Runoff:	Moderately rapid
Easting/Lat.:	-27.73111111111111	Drainage:	No Data

Geology

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

Land Form

Rel/Slope Class:	No Data	Pattern Type:	No Data
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	7 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Endocalcareous Epipedal Black Vertosol		Principal Profile Form:	Ug5.15
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 - Bothriochloa decipiens, Danthonia species
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus populnea

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

AB	0 - 0.05 m	Very dark greyish brown (10YR3/2-Dry); ; Heavy clay; Moderate grade of structure, Granular; Dry; Weak consistence; Field pH 6.6 (pH meter); Clear change to -
B2	0.05 - 0.41 m	Dark brown (7.5YR3/2-Moist); ; Heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moist; Very firm consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Field pH 7 (pH meter); Gradual change to -
B2	0.41 - 0.58 m	Very dark grey (10YR3/1-Moist); ; Heavy clay; Moderate grade of structure, Lenticular; Weak grade of structure, Angular blocky; Moist; Very firm consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Field pH 7.8 (pH meter); Gradual change to -
B2	0.58 - 0.79 m	Brown (10YR4/3-Moist); ; Heavy clay; Moderate grade of structure, Lenticular; Weak grade of structure, Angular blocky; Moist; Very firm consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8.3 (pH meter); Diffuse change to -
B2	0.79 - 1.37 m	Dark yellowish brown (10YR4/4-Moist); ; Heavy clay; Weak grade of structure, Lenticular; Moist; Firm consistence; 0-2%, fine gravelly, 2-6mm, Basalt, coarse fragments; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8.5 (pH meter); Diffuse change to -
B2	1.37 - 1.98 m	Dark yellowish brown (10YR4/4-Moist); ; Heavy clay; Weak grade of structure, Lenticular; Moist; Firm consistence; 0-2%, fine gravelly, 2-6mm, Basalt, coarse fragments; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8.6 (pH meter);

Morphological Notes

Observation Notes

0-5CM GRANULAR STRUCTURE GRADING TO BLOCKY UNITS

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
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
P3A_NR	Bulk density - Not recorded
P3B_VL_01	0.1 BAR Moisture m3/m3 - Volumetric using suction plate
P3B_VL_15	15 BAR Moisture m3/m3 - Volumetric using pressure plate