

Project Name: DD
Project Code: DD **Site ID:** B165 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.G. Beckmann	Locality:	
Date Desc.:	01/11/51	Elevation:	448 metres
Map Ref.:	Sheet No. : 9242 1:100000	Rainfall:	700
Northing/Long.:	151.7875	Runoff:	Slow
Easting/Lat.:	-27.5305555555556	Drainage:	Poorly drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Tm	Substrate Material:	Auger boring, 3 m deep, Porous, Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Flood plain
Morph. Type:	Flat	Relief:	30 metres
Elem. Type:	Valley flat	Slope Category:	Level
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry): Self-mulching

Erosion:

Soil Classification

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

No analytical data are available but confidence is fair.

Site Disturbance: Cultivation. Rainfed

Vegetation:

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.04 m	Very dark grey (10YR3/1-Moist); ; Heavy clay; Strong grade of structure, <2 mm, Granular; Dry; Loose consistence; Field pH 8.3 (pH meter); Sharp change to -
B2	0.04 - 0.48 m	Very dark greyish brown (10YR3/2-Moist); ; Heavy clay; Strong grade of structure, Angular blocky; Dry; Very firm consistence; 0-2%, medium gravelly, 6-20mm, Basalt, coarse fragments; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8.7 (pH meter); Diffuse change to -
B2	0.48 - 1.07 m	Very dark greyish brown (10YR3/2-Moist); ; Heavy clay; Moderate grade of structure, Lenticular; Moist; Firm consistence; 0-2%, medium gravelly, 6-20mm, Basalt, coarse fragments; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8.9 (pH meter); Diffuse
B2	1.07 - 1.47 m	Very dark greyish brown (10YR3/2-Moist); ; Heavy clay; Moderate 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 8.8 (pH meter); Diffuse change to -
B2	1.47 - 2.08 m	Very dark greyish brown (10YR3/2-Moist); ; Heavy clay; Moderate grade of structure, Lenticular; Moist; Firm consistence; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8.8 (pH meter); Diffuse change to -
B2	2.08 - 2.59 m	Very dark greyish brown (10YR3/2-Moist); , 10YR42; Heavy clay; Moderate grade of structure, Lenticular; Moist; Firm consistence; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8.7 (pH meter); Diffuse change to -
B	2.59 - 3 m	Greyish brown (10YR5/2-Moist); , 10YR42; Heavy clay; Moderate grade of structure, Lenticular; Moist; Firm consistence; Common (10 - 20 %), Calcareous, Coarse (6 - 20 mm), Nodules; Field pH 8.7 (pH meter);

Morphological Notes

Observation Notes

0-30CM POSSIBLY ALLUVIAL STRATIFICATION

Site Notes

DARLING DOWNS

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[illegible]

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Laboratory Analyses Completed for this profile

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