

Project Name: DD
Project Code: DD **Site ID:** B156 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.G. Beckmann	Locality:	
Date Desc.:	27/11/51	Elevation:	532 metres
Map Ref.:	Sheet No. : 9242 1:100000	Rainfall:	0
Northing/Long.:	151.8525	Runoff:	Moderately rapid
Easting/Lat.:	-27.552777777778	Drainage:	Moderately well drained

Geology

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

Land Form

Rel/Slope Class:	Undulating low hills 30-90m 3-10%	Pattern Type:	No Data
Morph. Type:	No Data	Relief:	30 metres
Elem. Type:	Pediment	Slope Category:	No Data
Slope:	4 %	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

All necessary analytical data are available.

Site Disturbance: Cultivation. Rainfed

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, . *Species includes - None recorded
Tall Strata - Tree, 3.01-6m, Very sparse. *Species includes - Eucalyptus orgadophylla

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

Ap	0 - 0.13 m	Very dark grey (10YR3/1-Moist); ; Heavy clay; Strong grade of structure, 2-5 mm, Granular; Dry; Very firm consistence; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 7.5 (pH meter); Clear change to -
B2	0.13 - 0.41 m	Very dark grey (10YR3/1-Moist); ; Heavy clay; Strong grade of structure, 20-50 mm, Angular blocky; Medium, (5 - 10) mm crack; Dry; Very firm consistence; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8.4 (pH meter); Gradual change to -
B2	0.41 - 0.69 m	Very dark grey (10YR3/1-Moist); ; Heavy clay; Strong grade of structure, Lenticular; Moist; Firm consistence; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8.8 (pH meter); Gradual change to -
B2	0.69 - 0.91 m	Very dark grey (10YR3/1-Moist); ; Heavy clay; Strong grade of structure, Lenticular; Moist; Firm consistence; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8.9 (pH meter); Gradual change to -
B2	0.97 - 1.24 m	Very dark greyish brown (10YR3/2-Moist); , 10YR53; Heavy clay; Strong grade of structure, Lenticular; Moist; Firm consistence; Few (2 - 10 %), Calcareous, Coarse (6 - 20 mm), Nodules; Field pH 8.8 (pH meter); Gradual change to -
B3	1.24 - 1.88 m	Brown (10YR5/3-Moist); ; Heavy clay; Strong grade of structure, Lenticular; Moist; Weak consistence; Few (2 - 10 %), Calcareous, Coarse (6 - 20 mm), Nodules; Field pH 8.8 (pH meter)

Morphological Notes

Observation Notes

0-13CM GRANULAR GRADING TO STRONG ANGULAR BLOCKY STRUCTURE

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_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
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