

Project Name: DD
Project Code: DD Site ID: B163 Observation ID: 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By: G.G. Beckmann Locality:
Date Desc.: 01/11/51 Elevation: 530 metres
Map Ref.: Sheet No. : 9242 1:100000 Rainfall: 660
Northing/Long.: 151.79861111111111 Runoff: Moderately rapid
Easting/Lat.: -27.5444444444445 Drainage: Moderately well drained

Geology

ExposureType: Soil pit Conf. Sub. is Parent. Mat.: No Data
Geol. Ref.: Tm Substrate Material: Soil pit, 0.6 m deep, Non-porous, dense, Basalt

Land Form

Rel/Slope Class: Undulating low hills 30-90m 3-10% Pattern Type: Low hills
Morph. Type: Upper-slope Relief: No Data
Elem. Type: Hillcrest Slope Category: No Data
Slope: 3.95 % Aspect: No Data

Surface Soil Condition (dry): Cracking

Erosion:

Soil Classification

Australian Soil Classification: Mapping Unit: N/A
Episodic Epipedal Black Vertosol Principal Profile Form: Ug5.13
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 - Aristida species, Bothriochloa species
Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - Eucalyptus orgadophylla

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

AB 0 - 0.14 m Very dark brown (10YR2/2-Moist); ; Heavy clay; Strong grade of structure, 2-5 mm, Granular; Dry; Firm consistence; 0-2%, Basalt, coarse fragments; Field pH 7 (pH meter); Many, fine (1-2mm) roots; Gradual change to -
B2 0.14 - 0.42 m Very dark greyish brown (10YR3/2-Moist); ; Heavy clay; Strong grade of structure, 20-50 mm, Angular blocky; Moderately moist; Very firm consistence; 0-2%, Basalt, coarse fragments; Field pH 7.4 (pH meter); Many, fine (1-2mm) roots; Clear change to -
C 0.44 - 0.6 m Greyish brown (10YR5/2-Moist); , 5YR44; Light clay; Weak grade of structure, Angular blocky; 2-10%, Basalt, coarse fragments; Few (2 - 10 %), Calcareous, , Nodules; Field pH 8.4 (pH

Morphological Notes

Observation Notes

0-14CM STRONG GRANULAR GRADING TO 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
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