

**Project Name:** DD  
**Project Code:** DD **Site ID:** B244 **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (QLD)

**Site Information**

<b>Desc. By:</b>	G.D. Hubble	<b>Locality:</b>	
<b>Date Desc.:</b>	06/10/54	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 9142 1:100000	<b>Rainfall:</b>	610
<b>Northing/Long.:</b>	151.317777777778	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	-27.709722222222	<b>Drainage:</b>	Moderately well drained

**Geology**

<b>ExposureType:</b>	Soil pit	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	Qpc	<b>Substrate Material:</b>	Auger boring, 1 m deep, Unconsolidated material (unidentified)

**Land Form**

<b>Rel/Slope Class:</b>	Gently undulating plains <9m 1-3%	<b>Pattern Type:</b>	Alluvial plain
<b>Morph. Type:</b>	No Data	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	No Data
<b>Slope:</b>	0 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):** Self-mulching

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Epicalcareous Self-Mulching Black Vertosol		<b>Principal Profile Form:</b>	Ug5.15
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Black earth

No analytical data are available but confidence is fair.

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

**Vegetation:**

Tall Strata - Tussock grass, 0.51-1m, Mid-dense. \*Species includes - Dichanthium sericeum, Aristida species

**Surface Coarse Fragments:** No surface coarse fragments

**Profile Morphology**

AB	0 - 0.08 m	Very dark brown (10YR2/2-Moist); ; Heavy clay; Moderate grade of structure, 5-10 mm, Granular; Many (>5 per 100mm <sup>2</sup> ) macropores, Moderately moist; Very firm consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Nodules; Field pH 8 (pH meter); Common, very fine (0-1mm) roots; Clear change
B2	0.08 - 0.38 m	Very dark brown (10YR2/2-Moist); ; Heavy clay; Moderate grade of structure, Angular blocky; Many (>5 per 100mm <sup>2</sup> ) macropores, Moist; Firm consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8.4 (pH meter); Common, very fine (0-1mm) roots; Gradual change to -
B2	0.38 - 0.91 m	Very dark greyish brown (10YR3/2-Moist); ; Heavy clay; Moderate grade of structure, Lenticular; Moderately moist; Firm consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8.7 (pH meter); Few, very fine (0-1mm) roots;

**Morphological Notes**

**Observation Notes**

0-8CM GRANULAR GRADING TO BLOCKY STRUCTURE:PUFF PROFILE:ANT CAVATIES DOWN PROFILE FACE:

**Site Notes**

DARLING DOWNS

**Observation ID: 1**

[illegible]

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**Laboratory Analyses Completed for this profile**

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
9_NR	Available P (mg/kg) - Not recorded
P10_GRAV	Gravel (%)