

**Project Name:** DD  
**Project Code:** DD      **Site ID:** B220      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (QLD)

**Site Information**

<b>Desc. By:</b>	G.G. Beckmann	<b>Locality:</b>	
<b>Date Desc.:</b>	12/11/53	<b>Elevation:</b>	549 metres
<b>Map Ref.:</b>	Sheet No. : 9242 1:100000	<b>Rainfall:</b>	660
<b>Northing/Long.:</b>	151.684166666667	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	-27.612222222222	<b>Drainage:</b>	Well drained

**Geology**

<b>ExposureType:</b>	Soil pit	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	Tm	<b>Substrate Material:</b>	Soil pit, 0.41 m deep,Basalt

**Land Form**

<b>Rel/Slope Class:</b>	No Data	<b>Pattern Type:</b>	Low hills
<b>Morph. Type:</b>	No Data	<b>Relief:</b>	76 metres
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	No Data
<b>Slope:</b>	35 %	<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
Haplic Self-Mulching Brown Vertosol		<b>Principal Profile Form:</b>	Ug5.12
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	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, Danthonia species  
Tall Strata - Tree, 6.01-12m, Mid-dense. \*Species includes - Eucalyptus orgadophylla, Alphonsonia excelsa

**Surface Coarse Fragments:** 50-90%, cobbly, 60-200mm, , Basalt

**Profile Morphology**

AB	0 - 0.18 m	Very dark grey (10YR3/1-Dry); ; Heavy clay; Strong grade of structure, <2 mm, Granular; Moderately moist; Weak consistence; 10-20%, coarse gravelly, 20-60mm, Basalt, coarse fragments; Field pH 7.1 (pH meter); Common, very fine (0-1mm) roots;
B2	0.18 - 0.41 m	Dark brown (10YR3/3-Moist); ; Heavy clay; Moderate grade of structure, 10-20 mm, Angular blocky; Moist; Firm consistence; 20-50%, cobbly, 60-200mm, Basalt, coarse fragments; Field pH 7 (pH meter); Few, very fine (0-1mm) roots;
C	0.41 - 0.46 m	; Field pH 6.3 (pH meter);

**Morphological Notes**

C Light bluish grey basalt with clayey pockets

**Observation Notes**

0-18CM GRANULAR GRADING TO BLOCKY STRUCTURE

**Site Notes**

DARLING DOWNS

**Observation ID: 1**

[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
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