

**Project Name:** DD  
**Project Code:** DD      **Site ID:** B192      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (QLD)

**Site Information**

<b>Desc. By:</b>	G.G. Beckmann	<b>Locality:</b>	Site on gently sloping platform
<b>Date Desc.:</b>	01/10/53	<b>Elevation:</b>	411 metres
<b>Map Ref.:</b>	Sheet No. : 9242    1:100000	<b>Rainfall:</b>	660
<b>Northing/Long.:</b>	151.518888888889	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	-27.656111111111	<b>Drainage:</b>	Well drained

**Geology**

<b>ExposureType:</b>	Soil pit	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	Jw	<b>Substrate Material:</b>	Soil pit, 0.46 m deep, Sandstone

**Land Form**

<b>Rel/Slope Class:</b>	Rolling low hills 30-90m 10-32%	<b>Pattern Type:</b>	Low hills
<b>Morph. Type:</b>	Upper-slope	<b>Relief:</b>	15 metres
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	No Data
<b>Slope:</b>	0 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):** Loose

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Haplic Hypocalcic Red Chromosol		<b>Principal Profile Form:</b>	Dr4.23
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Red-brown earth
All necessary analytical data are available.			

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

**Vegetation:**

Mid Strata - , , . \*Species includes - None recorded

Tall Strata - Tree, 12.01-20m, Closed or dense. \*Species includes - Casuarina cristata

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

**Profile Morphology**

A11	0 - 0.04 m	Dark brown (7.5YR3/2-Dry); ; Loamy sand; Single grain grade of structure; Dry; Loose consistence; 2-10%, medium gravelly, 6-20mm, Detrital sedimentary rock (unidentified), coarse fragments; Field pH 7.6 (pH meter); Many, fine (1-2mm) roots; Clear change to -
A12	0.04 - 0.13 m	Brown (7.5YR4/2-Dry); ; Sandy loam; Massive grade of structure; Many (>5 per 100mm <sup>2</sup> ) macropores, Dry; Weak consistence; 0-2%, medium gravelly, 6-20mm, Detrital sedimentary rock (unidentified), coarse fragments; Field pH 8 (pH meter); Common, fine (1-2mm) roots; Gradual change to -
A2	0.13 - 0.23 m	Dark reddish grey (5YR4/2-Moist); ; Sandy clay loam; Weak grade of structure, 5-10 mm, Angular blocky; Massive grade of structure; Few (<1 per 100mm <sup>2</sup> ) macropores, Dry; Weak consistence; 0-2%, medium gravelly, 6-20mm, Detrital sedimentary rock (unidentified), coarse fragments; Field pH 8.4 (pH meter); Few, fine (1-2mm) roots; Clear change to -
B2	0.23 - 0.43 m	Reddish brown (2.5YR4/4-Moist); ; Sandy medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderately moist; Firm consistence; Very few (0 - 2 %), Calcareous, , Soft segregations; Field pH 7.6 (pH meter); Few, fine (1-2mm) roots; Gradual change to -
C	0.46 - 0.64 m	; Field pH 8.8 (pH meter);

**Morphological Notes**

C Calcareous SS with CO<sub>3</sub> nodules + pockets of L.RED BROWN CL.

**Observation Notes**

**Site Notes**

DARLING DOWNS

**Observation ID: 1**

[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
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
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