Project Name: DD
Project Code: DD **Site ID:** B217 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	**Locality:**	
Date Desc.:	01/11/53	**Elevation:**	670 metres
Map Ref.:	Sheet No. : 9242 1:100000	**Rainfall:**	914
Northing/Long.:	151.966111111111	**Runoff:**	Moderately rapid
Easting/Lat.:	-27.6111111111111	**Drainage:**	Moderately well drained

Geology

ExposureType:	Soil pit	**Conf. Sub. is Parent. Mat.:**	No Data
Geol. Ref.:	Tm	**Substrate Material:**	Soil pit, 0.61 m deep,Basalt

Land Form

Rel/Slope Class:	No Data	**Pattern Type:**	Plateau
Morph. Type:	No Data	**Relief:**	30 metres
Elem. Type:	Plain	**Slope Category:**	No Data
Slope:	3.5 %	**Aspect:**	No Data

Surface Soil Condition (dry): Loose

Erosion:

Soil Classification

Australian Soil Classification:
Haplic Eutrophic Red Dermosol
ASC Confidence:
All necessary analytical data are available.

Mapping Unit: N/A
Principal Profile Form: Gn2.11
Great Soil Group: Red earth

Site Disturbance: Extensive clearing, for example poisoning, ringbarking

Vegetation:
Tall Strata - Tree, , Isolated plants. *Species includes - Eucalyptus species

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.13 m	Dark reddish brown (5YR3/3-Dry); ; Loam; Strong grade of structure, <2 mm, Granular; Moist; Very weak consistence; 10-20%, fine gravelly, 2-6mm, Substrate material, coarse fragments; Field pH 6 (pH meter); Many, very fine (0-1mm) roots; Gradual change to -
A3	0.13 - 0.25 m	Dark reddish brown (5YR3/3-Dry); ; Loam; Strong grade of structure, 2-5 mm, Granular; Moist; Very weak consistence; 10-20%, fine gravelly, 2-6mm, Substrate material, coarse fragments; Field pH 6.4 (pH meter); Common, very fine (0-1mm) roots; Gradual change to -
B1	0.25 - 0.41 m	Reddish brown (2.5YR4/4-Moist); ; Light clay; , Polyhedral; Massive grade of structure; Moist; Very weak consistence; 20-50%, medium gravelly, 6-20mm, Substrate material, coarse fragments; Field pH 6.2 (pH meter); Common, very fine (0-1mm) roots; Gradual change to -
B2	0.41 - 0.61 m	Red (2.5YR4/6-Moist); ; Light clay; , Polyhedral; Massive grade of structure; Moist; Very weak consistence; 20-50%, medium gravelly, 6-20mm, Substrate material, coarse fragments; Field pH 6.5 (pH meter); Few, very fine (0-1mm) roots; Clear change to -
C	0.61 - 0.81 m	; Field pH 6.1 (pH meter);

Morphological Notes

C Red and dark red clayey laterite

Observation Notes

0-25CM POROUS GRANULAR: GRAVEL DOMINANTLY `CLAY' LATERITE

Site Notes

DARLING DOWNS

Project Name: DD
Project Code: DD **Site ID:** B217 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity			
m		dS/m	Cmol (+)/kg							%
0 - 0.13	6H	0.03B								
0.13 - 0.25	6.4H	0.02B								
0.25 - 0.41	6.2H	0.02B								
0.41 - 0.61	6.5H	0.01B	1.1K	4.2	0.15	0.3	13.2D			
0.61 - 0.81	6.1H	0.04B								

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis				
								GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.13		11.9A	31C	0.175F	0.507B			27	16C	21	24	19
0.13 - 0.25												
0.25 - 0.41			11C	0.057F								
0.41 - 0.61		0.73A						49	41C	15	11	32
0.61 - 0.81												

Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m		g/g - m3/m3							mm/h	mm/h
0 - 0.13										
0.13 - 0.25										
0.25 - 0.41										
0.41 - 0.61										
0.61 - 0.81										

Project Name: DD
Project Code: DD **Site ID:** B217 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

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 recordede
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