

Project Name: DD
Project Code: DD **Site ID:** B263 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	18/05/55	Elevation:	670 metres
Map Ref.:	Sheet No. : 9242 1:100000	Rainfall:	914
Northing/Long.:	151.966111111111	Runoff:	Moderately rapid
Easting/Lat.:	-27.5444444444445	Drainage:	Moderately well drained

Geology

ExposureType:	Existing vertical exposure	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Tm	Substrate Material:	Auger boring, 0.66 m deep, No Data

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Plateau
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	14 %	Aspect:	No Data

Surface Soil Condition (dry): Loose

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
No Available Class Eutrophic Grey Chromosol		Principal Profile Form:	Dy4.11
ASC Confidence:		Great Soil Group:	Prairie soil
Analytical data are incomplete but reasonable confidence.			

Site Disturbance:

Vegetation:

Tall Strata - Shrub, <0.25m, Closed or dense. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.09 m	Very dark brown (7.5YR2/2-Moist); ; Clay loam; Strong grade of structure, <2 mm, Granular; Moist; Very weak consistence; 0-2%, medium gravelly, 6-20mm, Substrate material, coarse fragments; Field pH 5.8 (pH meter); Many, very fine (0-1mm) roots; Clear change to -
A12	0.1 - 0.25 m	Very dark brown (7.5YR2/2-Moist); ; Clay loam; Strong grade of structure, <2 mm, Granular; Moist; Very weak consistence; 0-2%, medium gravelly, 6-20mm, Substrate material, coarse fragments; Field pH 6.1 (pH meter); Common, very fine (0-1mm) roots; Clear change to -
B21	0.28 - 0.41 m	Dark reddish grey (5YR4/2-Moist); ; Medium clay; Moderate grade of structure, 5-10 mm, Angular blocky; Moist; Weak consistence; 2-10%, medium gravelly, 6-20mm, Substrate material, coarse fragments; Field pH 6.3 (pH meter); Few, very fine (0-1mm) roots; Gradual change to -
B22	0.48 - 0.66 m	Pinkish grey (5YR6/2-Moist); ; Medium clay; Moderate grade of structure, 5-10 mm, Angular blocky; Moist; Firm consistence; 10-20%, medium gravelly, 6-20mm, Substrate material, coarse fragments; Field pH 5.8 (pH meter); Few, very fine (0-1mm) roots; Diffuse change to -
C	0.66 - 0.91 m	Pinkish grey (5YR6/2-Moist); , 5YR71, 20-50% , 5-15mm, Distinct; , 5YR81, 20-50% , 5-15mm, Distinct; Medium clay; Moist; Firm consistence; 10-20%, medium gravelly, 6-20mm, Substrate material, coarse fragments; Field pH 5.6 (pH meter);

Morphological Notes

Observation Notes

0-25CM POROUS GRANULAR:ORIGINAL VEGETATION REMOVED

Site Notes

DARLING DOWNS

Observation ID: 1

Observation ID: 1

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity		%
0 - 0.09	5.8H	0.03B	16.8K	9	0.35	0.41	68.4D		
0.1 - 0.25	6.1H	0.02B							
0.28 - 0.41	6.3H	0.01B	3K	5.1	0.02	0.4	38.4D		
0.48 - 0.66	5.8H	0.01B							
0.66 - 0.91	5.6H	0.01B	0.15K	2.1		0.37	8.9D		

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.09		10.1A	912C	0.783F	0.68B			0	4C	15	30	31
0.1 - 0.25		8.35A			0.51B							
0.28 - 0.41		3.42A		0.423F	0.22B			0	5C	11	29	50
0.48 - 0.66		0.8A			0.064B							
0.66 - 0.91		0.36A		0.427F				0	6C	20	29	47

[illegible]

Project Name: DD
Project Code: DD **Site ID:** B263 **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
2A1	Air-dry moisture content
3_NR	Electrical conductivity or soluble salts - Not recorded
4_NR	pH of soil - 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