

Project Name: DD
Project Code: DD **Site ID:** B225 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	C.H. Thompson	Locality:	
Date Desc.:	01/11/53	Elevation:	396 metres
Map Ref.:	Sheet No. : 9242 1:100000	Rainfall:	965
Northing/Long.:	151.9775	Runoff:	Rapid
Easting/Lat.:	-27.5180555555556	Drainage:	Moderately well drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Jm	Substrate Material:	Soil pit, 1 m deep,Sandstone

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Escarpment
Morph. Type:	Crest	Relief:	107 metres
Elem. Type:	Scarp	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Eutrophic Mottled-Subnatric Red Sodosol		Principal Profile Form:	Dr3.41
ASC Confidence:		Great Soil Group:	Red podzolic soil
All necessary analytical data are available.			

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Tussock grass, , . *Species includes - None recorded
Tall Strata - Tree, 12.01-20m, Mid-dense. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.13 m	Very dark greyish brown (10YR3/2-Moist); ; Loamy sand; Massive grade of structure; Weak grade of structure, Granular; Moist; Very weak consistence; 0-2%, medium gravelly, 6-20mm, Shale, coarse fragments; Field pH 6.1 (pH meter); Clear change to -
A2	0.13 - 0.3 m	Light grey (10YR7/2-Moist); ; Sand; Massive grade of structure; Weak grade of structure, Granular; Moist; Very weak consistence; 0-2%, medium gravelly, 6-20mm, Shale, coarse fragments; Field pH 6 (pH meter); Clear change to -
B2	0.3 - 0.64 m	Dark red (2.5YR3/6-Moist); , 10YR71; Heavy clay; Weak grade of structure, Prismatic; Moderate grade of structure, Angular blocky; Moist; Firm consistence; 0-2%, fine gravelly, 2-6mm, Sandstone, coarse fragments; Field pH 5.5 (pH meter); Gradual change to -
B2	0.64 - 0.91 m	Dark red (2.5YR3/6-Moist); , 10YR61; Medium clay; Moderate grade of structure, Angular blocky; Moist; Firm consistence; 0-2%, fine gravelly, 2-6mm, Sandstone, coarse fragments; Field pH 5.6 (pH meter); Gradual change to -
B3	0.91 - 1.14 m	Grey (10YR6/1-Moist); , 5YR44; , 10YR68; Sandy medium clay; Weak grade of structure, Angular blocky; Moist; Weak consistence; 0-2%, fine gravelly, 2-6mm, Sandstone, coarse fragments; Field pH 5 (pH meter);

Morphological Notes

Observation Notes

Site Notes

DARLING DOWNS

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[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