

Project Name: DD
Project Code: DD Site ID: B223 Observation ID: 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.G. Beckmann	Locality:	
Date Desc.:	01/11/53	Elevation:	533 metres
Map Ref.:	Sheet No. : 9242 1:100000	Rainfall:	762
Northing/Long.:	151.916944444445	Runoff:	Moderately rapid
Easting/Lat.:	-27.6586111111111	Drainage:	Moderately well drained

Geology

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

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Plateau
Morph. Type:	No Data	Relief:	23 metres
Elem. Type:	Plain	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry): Self-mulching

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Eutrophic Red Ferrosol	Principal Profile Form:	Um6.13
ASC Confidence:	Great Soil Group:	Lithosol

Analytical data are incomplete but reasonable confidence.

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

Vegetation:

Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Eucalyptus crebra

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.2 m	Brown (7.5YR4/2-Moist); ; Clay loam; Strong grade of structure, 2-5 mm, Granular; Dry; Weak consistence; 20-50%, coarse gravelly, 20-60mm, stratified, Basalt, coarse fragments; Field pH 6.5 (pH meter); Gradual change to -
BC	0.23 - 0.41 m	Dark reddish brown (5YR3/3-Moist); , 2.5Y52; Light medium clay; Weak grade of structure, 5-10 mm, Angular blocky; Moderately moist; Very firm consistence; 20-50%, coarse gravelly, 20-60mm, Basalt, coarse fragments; Field pH 7.4 (pH meter); Gradual change to -
C	0.41 - 0.46 m ;	

Morphological Notes

C Light bluish grey basalt with clay veins

Observation Notes

0-18CM LARGE PLATY BASALT FRAGMENTS 15 X 15 X 1.5CM USUALLY HORIZONTAL

Site Notes

DARLING DOWNS

Observation ID: 1

Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				cmol (+)/kg				%
0 - 0.2	6.5H	0.04B	23.6K	9.2	1.5	0.06	17.1D			
0.23 - 0.41	7.4H	0.03B								

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle		Size	Analysis	
m	%	%	mg/kg	%	%	%	Mg/m3	GV	CS	FS %	Silt	Clay
0 - 0.2 0.23 - 0.41		5.22A	1183C	0.345F	0.376B			39	12C	15	28	34

[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