

Project Name: Regional
Project Code: REG **Site ID:** T325 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.G. Murtha	Locality:	
Date Desc.:	01/12/81	Elevation:	10 metres
Map Ref.:	Sheet No. : 7965 1:100000	Rainfall:	0
Northing/Long.:	145.383333333333	Runoff:	No Data
Easting/Lat.:	-16.2833333333333	Drainage:	No Data

Geology

ExposureType:	Undisturbed soil core	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Qa	Substrate Material:	No Data

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Alluvial plain
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Plain	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Acidic Dystrophic Brown Dermosol		Principal Profile Form:	Uf6.34
ASC Confidence:		Great Soil Group:	No suitable group
All necessary analytical data are available.			

Site Disturbance: Cultivation. Rainfed

Vegetation:

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1p	0 - 0.1 m	Brown (10YR5/3-Moist); ; Light clay; Weak grade of structure, 5-10 mm, Subangular blocky; Moist; Very firm consistence; 2-10%, medium gravelly, 6-20mm, Quartz, coarse fragments; Few (2 - 10 %), Ferruginous, , Nodules; Diffuse change to -
A2p	0.1 - 0.2 m	Brown (10YR5/3-Moist); ; Light clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Moist; Very firm consistence; Few (2 - 10 %), Ferruginous, , Nodules; Clear change to -
B21	0.2 - 0.3 m	Yellowish brown (10YR5/5-Moist); ; Light clay; Weak grade of structure, 10-20 mm, Subangular blocky; Moist; Very firm consistence;
B21	0.3 - 0.6 m	Yellowish brown (10YR5/5-Moist); ; Light clay; Weak grade of structure, 10-20 mm, Subangular blocky; Moist; Weak consistence; Diffuse change to -
B22	0.6 - 0.9 m	Brown (7.5YR5/4-Moist); ; Light medium clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Moist; Weak consistence;
B22	0.9 - 1.2 m	Brown (7.5YR5/4-Moist); ; Medium clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Moist; Very firm consistence; Gradual change to -
D1	1.2 - 1.5 m	Brown (10YR5/3-Moist); ; Heavy clay; Strong grade of structure, 10-20 mm, Angular blocky; Moist; Very firm consistence;
D1	1.5 - 1.8 m	Brown (10YR5/3-Moist); ; Heavy clay; Strong grade of structure, 10-20 mm, Angular blocky; Moist; Very firm consistence; Gradual change to -
D2	1.8 - 2 m	Yellowish brown (10YR5/6-Moist); , 10YR63, 10-20% , 0-5mm, Faint; , 10-20% , 0-5mm, Faint; Heavy clay; Weak grade of structure, 10-20 mm, Angular blocky; Moist; Very firm consistence;

Morphological Notes

Observation Notes

SOME MACHINERY COMPACTION BETWEEN 0-30CM:

Site Notes

DAINTREE

Observation ID: 1

[illegible]

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Laboratory Analyses Completed for this profile

10A1	Total sulfur - X-ray fluorescence
13C1_FE	Citrate/dithionite-extractable iron, aluminium, Manganese and Silicon
15A2_CEC	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15D1_CEC	CEC - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts; manual leach
15E1_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) by compulsive exchange, no pretreatment for soluble
15E1_K	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_MG	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_NA	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15G_C	Exchange acidity (hydrogen and aluminium) - meq per 100g of soil - By 1M KCl exch. acidity by titration to pH 8.4
15J1	Effective CEC
17A1	Total potassium - X-ray fluorescence
2A1	Air-dry moisture content
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
7A2	Total nitrogen - semimicro Kjeldahl , automated colour
9A1	Total phosphorus - X-ray fluorescence
9G_BSES	Available P (mg/kg) - Acid P - 0.005M H ₂ SO ₄ (BSES)
P10_CF_C	Clay (%) - Coventry and Fett pipette method
P10_CF_CS	Coarse sand (%) - Coventry and Fett pipette method
P10_CF_FS	Fine sand (%) - Coventry and Fett pipette method
P10_CF_Z	Silt (%) - Coventry and Fett pipette method
P10_GRAV	Gravel (%)