

Project Name: Regional
Project Code: REG **Site ID:** T307 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.G. Murtha	Locality:	
Date Desc.:	11/11/81	Elevation:	10 metres
Map Ref.:	Sheet No. : 7965 1:100000	Rainfall:	0
Northing/Long.:	144.383333333333	Runoff:	No Data
Easting/Lat.:	-16.25	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): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Dystrophic Red Kandosol		Principal Profile Form:	Um
ASC Confidence:		Great Soil Group:	No suitable group

All necessary analytical data are available.

Site Disturbance: Complete clearing. Pasture, native or improved, but never cultivated

Vegetation:

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.14 m	Dark greyish brown (10YR4/2-Moist); ; Sandy clay loam (Light); Moderate grade of structure, 5-10 mm, Cast; Earthy fabric; Moist; Weak consistence; Many, fine (1-2mm) roots; Clear change to -
B11	0.14 - 0.3 m	Yellowish brown (10YR5/5-Moist); ; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Moist; Weak consistence; Common, fine (1-2mm) roots; Diffuse change to -
B12	0.3 - 0.4 m	Yellowish brown (10YR5/6-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Moist; Weak consistence; Few, fine (1-2mm) roots;
B13	0.4 - 0.6 m	Strong brown (7.5YR5/6-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Moist; Weak consistence; Few, fine (1-2mm) roots; Diffuse change to -
B2	0.6 - 0.9 m	Yellowish red (5YR5/8-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Moist; Weak consistence; Few, fine (1-2mm) roots;
B2	0.9 - 1.2 m	Yellowish red (5YR5/8-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Moist; Weak consistence; Diffuse change to -
B3	1.2 - 1.5 m	Reddish yellow (5YR6/8-Moist); ; 10YR64, 10-20% , 5-15mm, Faint; , 10-20% , 5-15mm, Faint; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Moist; Weak consistence; 2-10%, medium gravelly, 6-20mm, Quartz, coarse fragments;
	1.5 - 1.8 m	Reddish yellow (5YR6/8-Moist); ; 10YR64, 10-20% , 5-15mm, Faint; , 10-20% , 5-15mm, Faint; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Weak consistence; 2-10%, medium gravelly, 6-20mm, Quartz, coarse fragments;
	1.8 - 2.1 m	Reddish yellow (5YR6/8-Moist); ; 10YR64, 10-20% , 5-15mm, Faint; , 10-20% , 5-15mm, Faint; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Weak consistence; 2-10%, medium gravelly, 6-20mm, Quartz, coarse fragments;

Morphological Notes

Observation Notes

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 (%)