Projec	t Code: R	Regional REG Site ID: CSIRO Division of Soils (Q		bservation ID:	1
Desc. E Date De Map Re Northir Easting	esc.: 11/ ef.: She ng/Long.: 144 g/Lat.: -16	G. Murtha (11/81 eet No. : 7965 1:100000 4.383333333333 6.25	Locality: Elevation: Rainfall: Runoff: Drainage:	10 metres 0 No Data No Data	
<u>Geolo</u> Exposi Geol. R	ireType: Un	disturbed soil core Qa	Conf. Sub. is Pare Substrate Materia		
Morph. Elem. T Slope: <u>Surfac</u>	pe Class: No Type: No Type: Pla 0 % ce Soil Condi	%	Pattern Type: Relief: Slope Category: Aspect:	Alluvial plain No Data No Data No Data	
<u>Erosio</u> Soil Cl	lassification				
Haplic I ASC C	ian Soil Class Dystrophic Red onfidence:		Princi	ing Unit: pal Profile Form: Soil Group:	N/A Um No suitable group
<u>Site Di</u> Vegeta	isturbance: ( ation:	a data are available. Complete clearing. Pasture, na agments: No surface coarse	•	never cultivated	
	Morphology				
A1	0 - 0.14 m	Dark greyish brown (10YR4			derate grade of structure, 5-10 nm) roots; Clear change to -
B11	0.14 - 0.3 m	Yellowish brown (10YR5/5- fabric; Moist; Weak consiste			ve grade of structure; Earthy use change to -
B12	0.3 - 0.4 m	Yellowish brown (10YR5/6- Moist; Weak consistence; F			e of structure; Earthy fabric;
B13	0.4 - 0.6 m	Strong brown (7.5YR5/6-Mo Moist; Weak consistence; F	oist); ; Sandy clay loa Few, fine (1-2mm) roo	am; Massive grade ots; Diffuse change	of structure; Earthy fabric; to -
B2	0.6 - 0.9 m	Yellowish red (5YR5/8-Mois Moist; Weak consistence; F			structure; Earthy fabric;
B2	0.9 - 1.2 m	Yellowish red (5YR5/8-Mois Moist; Weak consistence; D		n; Massive grade of	structure; Earthy fabric;
B3	1.2 - 1.5 m		assive grade of struc	ture; Earthy fabric; I	;; , 10-20% , 5-15mm, Faint; Moist; Weak consistence; 2-
	1.5 - 1.8 m	Reddish yellow (5YR6/8-Mo Sandy clay loam (Light); Ma medium gravelly, 6-20mm,	assive grade of struc	ture; Earthy fabric;	;; , 10-20% , 5-15mm, Faint; Weak consistence; 2-10%,
	1.8 - 2.1 m	Reddish yellow (5YR6/8-Mo Sandy clay loam (Light); Ma medium gravelly, 6-20mm,	assive grade of struc	ture; Earthy fabric;	;; , 10-20% , 5-15mm, Faint; Weak consistence; 2-10%,
Mornh	ological Not	20			

## Morphological Notes

**Observation Notes** 

<u>Site Notes</u> DAINTREE

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

## Laboratory Test Results:

Depth	рН	1:5 EC Ex Ca	changeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	mg	N	Cmol				%
0 - 0.14	4.8A	0.023A 0.11H	0.07	0.07	0.05	1.5F	2.04A 3C	1.8F	2.45 1.67
0.14 - 0.3	4.9A	0.014A							
0.3 - 0.4	4.9A	0.014A <0.02H	<0.01	0.06	0.03	1.1F	1.35A 1C	1.2F	2.22 3.00
0.4 - 0.6	4.8A	0.011A							
0.6 - 0.9	4.9A	0.011A <0.02H	<0.01	0.05	0.02	0.8F	0.93A 1C	0.9F	2.15 2.00
0.9 - 1.2	4.8A	0.011A							
1.2 - 1.5	4.8A	0.011A							
1.5 - 1.8	4.9A	0.008A							
1.8 - 2.1	5A	0.011A							

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Pa GV	article CS	Size FS	Analysis Silt	s Clay
m	%	%	mg/kg	%	%	%	Mg/m3	01	00	%	ont	Clay
0 - 0.14 0.14 - 0.3		1.37D 0.73D	14B 9B	0.009A	0.11A 0.06A	0.68A		0	34A	38	15	13
0.3 - 0.4		0.28D	9B		0.004			0	30A	39	16	15
0.4 - 0.6		0.15D	7B	0.005 4	0.02A	0.054		0	074	07		40
0.6 - 0.9 0.9 - 1.2			9B	0.005A		0.65A		0	37A	37	14	12
1.2 - 1.5								8	34A	40	13	13
1.5 - 1.8												
1.8 - 2.1								20	50A	24	9	18
Depth	COLE		Gravii	metric/Volu	metric Wate	er Content	s		K sa	at	K unsa	t

	Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m			g/	g - m3/m3				mm/h	mm/h

- 0 0.14 0.14 0.3 0.3 0.4 0.4 0.6 0.4 - 0.6 0.6 - 0.9 0.9 - 1.2 1.2 - 1.5 1.5 - 1.8 1.8 - 2.1

Project Name:	Regional		
Project Code:	REG	Site ID:	T307
Agency Name:	CSIRO Divisio	on of Soils (C	QLD)

## Observation ID: 1

## Laboratory Analyses Completed for this profile

10A1 13C1_FE 15A2_CEC 15D1_CEC 15E1_CA 15E1_K 15E1_MG 15E1_NA 15E1_NA 15G_C	Total sulfur - X-ray fluorescence Citrate/dithionite-extractable iron, aluminium, Manganese and Silicon Exchangeable bases - 1M ammonium chloride at pH 7.0, pretreatment for soluble salts CEC - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts; manual leach Exchangeable bases (Ca2+,Mg2+,Na+,K+) by compulsive exchange, no pretreatment for soluble Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Exchange acidity (hydrogen and aluminium) - meq per 100g of soil - By 1M KCl exch. acidity by titration to pH 8.4
15J1 17A1 2A1 3A1 4A1 6A1_UC 7A2 9A1 9G_BSES P10_CF_C P10_CF_CS P10_CF_S P10_CF_Z P10_CF_Z P10_GRAV	Effective CEC Total potassium - X-ray fluorescence Air-dry moisture content EC of 1:5 soil/water extract pH of 1:5 soil/water suspension Organic carbon (%) - Uncorrected Walkley and Black method Total nitrogen - semimicro Kjeldahl , automated colour Total phosphorus - X-ray fluorescence Available P (mg/kg) - Acid P - 0.005M H2SO4 (BSES) Clay (%) - Coventry and Fett pipette method Coarse sand (%) - Coventry and Fett pipette method Fine sand (%) - Coventry and Fett pipette method Silt (%) - Coventry and Fett pipette method Gravel (%)