Projec	ct Name: ct Code: cy Name:	Regional REG Site ID: CSIRO Division of Soils (f		Observation ID:	1
Site In	formation	1			
Desc. I Date D Map Re	By: esc.: ef.: ng/Long.: g/Lat.:	M.D. Laffan 06/12/83 Sheet No. : 8063 1:100000 145.683333333333 -17.28666666666667	Locality: Elevation: Rainfall: Runoff: Drainage:	650 metres 2000 No Data Well drained	
Expos Geol. F	ureType: Ref.:	Existing vertical exposure PZB	Conf. Sub. is Par Substrate Materia		ta orphic rock (unidentified)
Morph Elem. Slope:	ope Class: . Type: Type: Ce Soil Co	Steep hills 90-300m 32-56% Upper-slope Hillslope 42 % <b>ndition (dry):</b>	Pattern Type: Relief: Slope Category: Aspect:	No Data No Data No Data 180 degrees	
	lassificati	on			
Austra Acidic I ASC C	lian Soil Cla Magnesic Br Confidence:	assification: rown Dermosol	Princ	ing Unit: ipal Profile Form: t Soil Group:	N/A Gn3.24 Xanthozem
Site D	isturbance	e: Limited clearing, for example	selective logging		
Veget	ation:				
<u>Surfac</u>	ce Coarse	Fragments:			
Profile	e Morphol	ogy			
A1	0 - 0.1 m	mm, Polyhedral; Smooth-	ped fabric; Dry; Very	weak consistence; 2	Strong grade of structure, 2-5 -10%, coarse gravelly, 20- .5 (pH meter); Many, medium
A1	0.1 - 0.15	mm, Polyhedral; Smooth-	ped fabric; Dry; Very nted, Sand, coarse fra	weak consistence; 2	Strong grade of structure, 2-5 -10%, coarse gravelly, 20- .5 (pH meter); Many, medium
B2	0.15 - 0.2	m Dark yellowish brown (10) structure, 10-20 mm, Sub consistence; 2-10%, coars fragments; Common cuta meter); Many, medium (2-	angular blocky; Smoo se gravelly, 20-60mm ns, 10-50% of ped fac	th-ped fabric; Mode , subangular, reorier	rately moist; Firm nted, Sand, coarse
B2	0.2 - 0.3 r	n Dark yellowish brown (10' structure, 10-20 mm, Sub consistence; 2-10%, coar fragments; Common cuta meter); Many, medium (2-	angular blocky; Smoo se gravelly, 20-60mm ns, 10-50% of ped fac	th-ped fabric; Mode , subangular, reorier	rately moist; Firm nted, Sand, coarse
B2	0.3 - 0.4 r	n Dark yellowish brown (10' structure, 10-20 mm, Sub consistence; 2-10%, coar fragments; Common cuta meter); Many, medium (2-	angular blocky; Smoo se gravelly, 20-60mm ns, 10-50% of ped fac	th-ped fabric; Mode , subangular, reorier es or walls coated,	rately moist; Firm nted, Sand, coarse
BC	0.4 - 0.6 r	structure, 20-50 mm, Ang	ular blocky; Smooth-p 20-60mm, angular, ur ces or walls coated, d	ed fabric; Moderate ndisturbed, Sand, co istinct; Field pH 5.5	um clay; Moderate grade of ly moist; Firm consistence; arse fragments; Common (pH meter); Common,
C1	0.6 - 0.8 r	n ;			
-		,			

 Morphological Notes
 Strongly weathered metamorphicic bedrock (siltstone):

Project Name:RegionalProject Code:REGSite ID:T389Agency Name:CSIRO Division of Soils (QLD)

Observation ID: 1

Observation Notes R'FOREST 1B:40-80CM PSEUDO MOTTELS FROM WEATHERED ROCK: Site Notes

Project Name:	Regional				
Project Code:	REG	Site ID:	T389	Observation ID:	1
Agency Name:	<b>CSIRO</b> Division	of Soils (Q	LD)		

## Laboratory Test Results:

Depth	рН	1:5 EC Exe Ca	changeable Mq	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	ing	ĸ	Cmol (				%
0 - 0.1	3.8D 4.9A	0.037A 0.05H	0.44	0.2	0.1	4.79F	3.6A 12C	5.6F	2.78 0.83
0.1 - 0.15	4.9A	0.032A							
0.15 - 0.2	5.1A	0.026A							
0.2 - 0.3	4.1D 5.3A	0.019A 0.03H	0.4	0.13	0.09	2.23F	2.8A 9C	2.9F	3.21 1.00
0.3 - 0.4	5.6A	0.013A							
0.4 - 0.6	4.2D 5.7A	0.01A <0.02H	0.42	0.05	0.06	1.22F	2A 3C	1.8F	3.00 2.00
0.6 - 0.8	5.8A	0.009A							

Depth m	CaCO3 %	Organic C %	Avail. P mg/kg	Total P %	Total N %	Total K %	Bulk Density Mg/m3	Pa GV	article CS	Size A FS %	Analysis Silt	Clay
0 - 0.1 0.1 - 0.15 0.15 - 0.2		3.54C	12B	0.036A	0.33A	2.3A		3	13A	31	25	31
0.2 - 0.3 0.3 - 0.4		1.54C	4B	0.03A		2.34A		3	12A	30	28	30
0.3 - 0.4 0.4 - 0.6 0.6 - 0.8				0.02A		2.12A		7 9	20A 24A	27 26	29 31	24 19

Depth	COLE		Grav	/imetric/Vo	olumetric W	ater Cont	ents		K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m				g/	ʻg- m3/m3	3			mm/h	mm/h

## 0 - 0.1 0.1 - 0.15 0.15 - 0.2 0.2 - 0.3 0.3 - 0.4 0.4 - 0.6 0.6 - 0.8

Project Name:	Regional		
Project Code:	REG	Site ID:	T389
Agency Name:	CSIRO Divisio	on of Soils (C	QLD)

Observation ID: 1

## Laboratory Analyses Completed for this profile

10A1	Total sulfur - X-ray fluorescence
12_HF_CU	Total element - Cu(mg/kg) - HF/HClO4 Digest
12_HF_FE	Total element - Fe(%) - HF/HCIO4 Digest
12_HF_MN	Total element - Mn(mg/kg) - HF/HCl04 Digest
12_HF_ZN	Total element - Zn(mg/kg) - HF/HClO4 Digest
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 (Ca2+,Mg2+,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
4C1	pH of 1:5 soil/1M potassium chloride extract - direct
6B3	Total organic carbon - high frequency induction furnace, infrared
7A2	Total nitrogen - semimicro Kjeldahl, automated colour
9A1	Total phosphorus - X-ray fluorescence
9G_BSES	Available P (mg/kg) - Acid P - 0.005M H2SO4 (BSES)
9H1	Phosphate retention
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 (%)