Projec	t Name: t Code: y Name:	RE	gional G Site ID IRO Division of Soils			Oł	oservatio	on ID:	1	
Desc. E Date De Map Re	esc.: ef.: g/Long.: g/Lat.:	G.G. 25/11 Sheet 146.6	t No. : 8259 1:100000		Locality: Elevation: Rainfall: Runoff: Drainage:		2.2KM fro 60 metro 890 Moderate Moderate	es ely rapid		
	ireType:	Undis Cpb	sturbed soil core		Conf. Sub. is Pa Substrate Mater			No Dat Undist	ta urbed soil core, 1.5 m deep,Granite	
Morph. Elem. T Slope:	pe Class: Type: ype:	Mid-s Hillslø 5.2 %	ope		Pattern Type: Relief: Slope Category Aspect:	-	Rises 31 metre Gently in No Data			
Erosio										
	<u>assificat</u> ian Soil C		cation:		Мар	opir	ng Unit:		N/A	
ASC C All nece	onfidence essary ana	: alytical	ed Kandosol data are available. o effective disturbance ot	her th	Grea	at S	oal Profile Soil Group d animals		Gn2.04 Red earth	
Vegeta		Lo	ow Strata - Tussock gras	s, 0.26	6-0.5m, Sparse. *	Spe	ecies inclu		ristida species, Heteropogon contortus ia careya, Panicum species	;
Surfac	e Coarse		all Strata - Tree, 6.01-12r ments: No surface coa			es i	ncludes -	Eucalypt	tus polycarpa, Eucalyptus alba	
	Morpho				5					
A11	0 - 0.1 m		Dark greyish brown (10 consistence; 2-10%, Q				nd; Massi	ve grade	e of structure; Moist; Very weak	
A12	0.1 - 0.2	m	Greyish brown (10YR5 consistence; 2-10%, Q	/2-Moi uartz,	ist); ; Loamy sand coarse fragments	d; N s; O	Aassive gr Gradual ch	ade of si ange to	tructure; Moist; Very weak -	
A2	0.2 - 0.3	m	Light brown (7.5YR6/4 Very weak consistence					; Massiv	e grade of structure; Moist;	
A2	0.3 - 0.6	m	Light brown (7.5YR6/4 Very weak consistence						ve grade of structure; Moist; e change to -	
B1	0.6 - 0.75	5 m	Red (2.5YR4/6-Moist); Moderately moist; Firm							
B2	0.75 - 0.9	9 m	Red (2.5YR4/8-Moist); moist; Firm consistence						re; Earthy fabric; Moderately arse fragments;	
B2	0.9 - 1.2	m	Red (2.5YR4/8-Moist); moist; Firm consistence						re; Earthy fabric; Moderately	
BC	1.2 - 1.5	m	Red (2.5YR4/8-Moist); 100mm2) Fine (1-2mm						tructure; Many (>5 per %, Quartz, coarse fragments;	
Morph	ological	Notes	5							

 Morphological Notes

 BC
 Very hard weathered granite:

Observation Notes 20-30CM SOME VERY STRONGLY BLEACHED PATCHES:10-20CM MIXTURE OF A1 & A2 MATERIAL:

Site Notes

TOWNSVILLE

Project Name:	Regional				
Project Code:	REG	Site ID:	T192	Observation ID:	1
Agency Name:	CSIRO Division	of Soils (C	LD)		

Laboratory Test Results:

Depth	рН	1:5 EC C		changeable Mg	Cations K	Exchangeable Na Acidity	CEC	ECEC	ESP
m		dS/m	a	ing	ĸ	Cmol (+)/kg			%
0 - 0.1 0.1 - 0.2	6A 6A	0.017A 0.014A	1.4B	0.6	0.13	0.12	2.4C		5.00
0.2 - 0.3 0.3 - 0.6 0.6 - 0.75	5.9A 6A 6.1A	0.023A 0.014A 0.02A	0.4B	0.3	0.03	0.12	0.4C		30.00
0.75 - 0.9 0.9 - 1.2 1.2 - 1.5	6A 6.1A 6A	0.026A 0.017A 0.014A	0.6B	1.6	0.21	0.14	3.2C		4.38

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Pa	rticle	Size	Analysi	s
m	%	C %	P mg/kg	P %	N %	K %	Density Mg/m3	GV	CS	FS %	Silt	Clay
0 - 0.1		0.36D	<2A 3B					10	67A	24	5	4
0.1 - 0.2												
0.2 - 0.3 0.3 - 0.6		0.08D	<2B					14	57A	30	5	5
0.6 - 0.75												
0.75 - 0.9			5B					18	48A	14	3	33
0.9 - 1.2												
1.2 - 1.5												

Depth	COLE		Grav	vimetric/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/	ˈɡ- m3/m3	3			mm/h	mm/h

0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.6 0.6 - 0.75 0.75 - 0.9 0.9 - 1.2 1.2 - 1.5

Project Name:	Regional		
Project Code:	REG	Site ID:	T192
Agency Name:	CSIRO Divisio	on of Soils (C	QLD)

Observation ID: 1

Laboratory Analyses Completed for this profile

15A2_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_K	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_MG	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_NA	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
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
9B_9C	Available P (mg/kg) - Bicarbonate P - 0.5M NaHCO3 extractable
9G_BSES	Available P (mg/kg) - Acid P - 0.005M H2SO4 (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 (%)