Projec	ct Name: ct Code: cy Name:	RE	-	vision	Site ID: of Soils (Q	T181 !LD)	OI	bservatio	n ID:	1
Site In	formatior	n								
Desc. I Date D Map Re Northin Easting	By: esc.: ef.: ng/Long.: g/Lat.:	G.G. 19/11 Shee 146.5	et No. : 81		:100000	Locality: Elevation: Rainfall: Runoff: Drainage:		1.3KM so 15 metre 1140 Slow Poorly dra	S	_eichhardt Creek:
<u>Geolo</u> Exposi Geol. F	ureType:	Undis Qa	sturbed s a	oil core		Conf. Sub. Substrate M				ita turbed soil core, 3 m Unconsolidated material
Morph. Elem. 1 Slope:	ope Class: . Type: Type:	Flat Plain 0 %				Pattern Typ Relief: Slope Cate Aspect:		Plain 0 metres Level No Data		
	ce Soil Co	onditio	on (dry)	: Har	dsetting					
Erosic										
	lassificati									N1/A
Bleache ASC C Analyti		esotro : e incor	ophic Grey	it reaso	nable confid		Princip Great	ng Unit: oal Profile Soil Group		N/A Dy3.41 Soloth
		<u>e:</u> No	o effective	e disturl	bance other	than grazing b	y hoofe	d animals		
Vegeta	ation:	Lo	ow Strata	- Tusso	ock grass, 0.	51-1m, Mid-de	ense. *S	species incl	udes - I	None recorded
Eucalypt	tus		all Strata essellaris	- Tree,	3.01-6m, Ve	ry sparse. *Sp	ecies in	ncludes - M	elaleuc	a viridiflora, Eucalyptus drepanophylla,
<u>Surfac</u>	ce Coarse	Frag	ments:	No su	rface coarse	fragments				
	e Morphol									
A1	0 - 0.04 n		per 100)mm2)	Fine (1-2mm) macropores,	Moist; \	Weak cons	istence	ade of structure; Common (1-5 ; Clear change to -
A2	0.04 - 0.1	m	grade	of struc	ture; Comm		0mm2)			% , 0-5mm; Silty loam; Massive cropores, Moist; Weak
A2	0.1 - 0.2 ı	m	Massiv consist	e grade ence; 0	of structure -2%, Quartz	; Common (1-	5 per 10 ients; Fe	0mm2) Fin	ie (1-2m	2-10% , 0-5mm; Silty loam; nm) macropores, Moist; Weak romanganiferous, Very coarse
A3	0.2 - 0.3 ı	m	5mm, E (1-5 pe	Distinct; er 100m nts; Fev	,10-20泌,0 nm2) Fine (1)-5mm, Distinc -2mm) macrop	rt; Śilty c pores, M	clay loam; N loist; Weak	Massive consis	-Dry); , 10YR56, 10-20% , 0- e grade of structure; Common stence; 0-2%, Quartz, coarse 60 mm), Nodules; Gradual
B1	0.3 - 0.45	ōm	Silty me	edium c lartz, co	lay; Weak g	rade of structu	ıre, 5-10	mm, Angu	lar bloc	, 10-20% , 0-5mm, Distinct; cky; Dry; Firm consistence; 0- is, , Concretions; Abrupt
B2	0.45 - 0.6	ð m	15mm, Angula	Distinc r blocky	t; , 10-20% , /; Strong gra	5-15mm, Dist	inct; Hea e, 10-20	avy clay; S	trong gi	/2-Dry); , 10YR56, 10-20% , 5- rade of structure, 20-50 mm, ky; Dry; Very strong
B2	0.6 - 0.75	ōm	15mm, Angula	Distinc r blocky	t; , 10-20% , /; Strong gra	5-15mm, Dist	inct; Hea e, 10-20	avy clay; S	trong gi	/2-Dry); , 10YR56, 10-20% , 5- rade of structure, 20-50 mm, ky; Dry; Very strong

Projec	ct Code:	Regional REG Site ID: T181 Observation ID: 1 CSIRO Division of Soils (QLD)
B2	0.75 - 0.9 m	Light brownish grey (10YR6/2-Moist); Light brownish grey (10YR6/2-Dry); , 10YR56, 10-20% , 5- 15mm, Distinct; , 10-20% , 5-15mm, Distinct; Heavy clay; Strong grade of structure, 20-50 mm, Angular blocky; Strong grade of structure, 10-20 mm, Angular blocky; Dry; Very strong consistence; 0-2%, Quartz, coarse fragments; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Gradual change to -
	0.9 - 1.2 m	Greyish brown (10YR5/2-Moist); ; Heavy clay; Strong grade of structure, 20-50 mm, Angular blocky; Strong grade of structure, 10-20 mm, Angular blocky; Very strong consistence; 0-2%, Quartz, coarse fragments; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Gradual change to -
BC	1.2 - 1.5 m	Greyish brown (10YR5/2-Moist); , 10YR58, 10-20% , 0-5mm, Distinct; , 10-20% , 0-5mm, Distinct; Fine sandy medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Very strong consistence; 0- 2%, Quartz, coarse fragments; Very few (0 - 2%), Ferromanganiferous, Coarse (6 - 20 mm), Nodules;
	1.5 - 1.8 m	Greyish brown (10YR5/2-Moist); , 10YR58, 10-20% , 0-5mm, Distinct; , 10-20% , 0-5mm, Distinct; Fine sandy medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Very strong consistence; 0-2%, Quartz, coarse fragments; Few (2 - 10 %), Ferromanganiferous, , Nodules;
D	1.8 - 2.02 m	Dark grey (10YR4/1-Moist); , 10YR58; Silcrete, Moderately cemented, Continuous, Massive;
	2.02 - 2.25	m White (10YR8/1-Moist); , 10YR58; Sand; Clear change to -
	2.25 - 2.7 m	Pale brown (10YR6/3-Moist); ; Fine sand; Diffuse change to -
	2.7 - 3 m	; Coarse sand;
<u>Morph</u>	nological No	<u>otes</u>

Band of gravel at 270CM then apedal KS:

Observation Notes 0-10CM WORM ACTIVITY:45-75CM SOME COARSE SLICKENSIDE FACES:150-180CM SOME BLACK COATING TO PED FACES:

Site Notes

ROLLINGSTONE

Project Name:	Regional		
Project Code:	REG	Site ID:	T181
Agency Name:	CSIRO Divis	ion of Soils (C	QLD)

Laboratory Test Results:

Depth	рН	1:5 EC C		changeable Mg	e Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	a	Wg	ĸ		(+)/kg			%
0 - 0.04	6.4A	0.038A	3.9B	1.6	0.37	0.25		6.6C		3.79
0.04 - 0.1	6.2A	0.026A								
0.1 - 0.2	6.1A	0.026A	1.2B	1.2	0.19	0.25		4.4C		5.68
0.2 - 0.3	6.1A	0.023A								
0.3 - 0.45	6A	0.023A								
0.45 - 0.6	6.2A	0.023A	1.5B	3.8	0.26	1.4		9.9C		14.14
0.6 - 0.75	6.3A	0.023A								
0.75 - 0.9	6.1A	0.047A	2.3B	5.5	0.15	2.1		10.5C		20.00
0.9 - 1.2	5.7A	0.13A								
1.2 - 1.5	5.8A	0.327A								
1.5 - 1.8	6.1A	0.452A								

Observation ID: 1

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Pa GV	rticle CS	Size FS	Analysis Silt	s Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		-
0 - 0.04		1.24D	<2A 7B	0.008A	0.11A	2.5A		0	10A	29	44	14
0.04 - 0.1		0.66D	5A 5B	0.005A	0.07A	2.5A		<2	2A	37	60	4
0.1 - 0.2		0.42D	<2A 3B	0.004A	0.05A	2.5A		<2	ЗA	33	41	19
0.2 - 0.3												
0.3 - 0.45			<2B	0.006A		2A						
0.45 - 0.6 0.6 - 0.75				0.005A		1.8A		<2	1A	23	26	54
0.75 - 0.9 0.9 - 1.2 1.2 - 1.5 1.5 - 1.8				0.005A		2.4A		<2	4A	32	32	36
1.5 - 1.0												

Depth	COLE	Gravimetric/Volumetric Water Contents					K sat	K unsat		
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m				g/	/g - m3/m3	3			mm/h	mm/h

 $\begin{array}{c} 0 - 0.04 \\ 0.04 - 0.1 \\ 0.1 - 0.2 \\ 0.2 - 0.3 \\ 0.3 - 0.45 \\ 0.45 - 0.6 \\ 0.6 - 0.75 \\ 0.75 - 0.9 \\ 0.9 - 1.2 \\ 1.2 - 1.5 \\ 1.5 - 1.8 \end{array}$

Project Name:	Regional		
Project Code:	REG	Site ID:	T181
Agency Name:	CSIRO Divisio	on of Soils (C	QLD)

Observation ID: 1

Laboratory Analyses Completed for this profile

10A1	Total sulfur - X-ray fluorescence
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
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
5A2	Chloride - 1:5 soil/water extract, automated colour
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
7A2	Total nitrogen - semimicro Kjeldahl, automated colour
9A1	Total phosphorus - X-ray fluorescence
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 (%)