

**Project Name:** LOC  
**Project Code:** LOC      **Site ID:** B990      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (QLD)

**Site Information**

<b>Desc. By:</b>	K.J. Smith	<b>Locality:</b>	Mr. John Kitching's property.
<b>Date Desc.:</b>	//	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 9342 1:100000	<b>Rainfall:</b>	0
<b>Northing/Long.:</b>	152.295833333333	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	-27.7644444444445	<b>Drainage:</b>	Well drained

**Geology**

<b>ExposureType:</b>	No Data	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	Sandstone

**Land Form**

<b>Rel/Slope Class:</b>	No Data	<b>Pattern Type:</b>	Mountains
<b>Morph. Type:</b>	Upper-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	No Data	<b>Slope Category:</b>	No Data
<b>Slope:</b>	70.4 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):**

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>	N/A	<b>Mapping Unit:</b>	N/A
<b>ASC Confidence:</b>	Confidence level not specified	<b>Principal Profile Form:</b>	Dr2.41
		<b>Great Soil Group:</b>	Red podzolic soil

**Site Disturbance:** No effective disturbance other than grazing by hoofed animals

**Vegetation:**

**Surface Coarse Fragments:** 10-20%, stony, 200-600mm, , Sandstone

**Profile Morphology**

A1	0 - 0.3 m	Dark brown (7.5YR3/2-Moist); ; Fine sandy loam; Moderate grade of structure, Granular; Moderately moist; Weak consistence; 10-20%, Sandstone, coarse fragments; Field pH 6.8 (pH meter); CommonClear change to -
A2	0.3 - 0.57 m	Brown (7.5YR5/4-Moist); Pinkish white (7.5YR8/3-Dry); ; Sandy loam; Weak grade of structure, Angular blocky; Many (>5 per 100mm2) Fine (1-2mm) macropores, Dry; Strong consistence; 10-20%, Sandstone, coarse fragments; Field pH 4.5 (pH meter); FewClear change to -
B21	0.57 - 0.9 m	Red (2.5YR5/8-Moist); ; Medium clay; Strong grade of structure, 10-20 mm, Angular blocky; Few (<1 per 100mm2) Fine (1-2mm) macropores, Dry; Very strong consistence; 20-50%, Sandstone, coarse fragments; Field pH 5 (pH meter); FewGradual change to -
BC	0.9 - 1 m	Yellowish red (5YR5/6-Moist); ; Fine sandy medium clay; Moderate grade of structure, Subangular blocky; Dry; Very strong consistence; 20-50%, Sandstone, coarse fragments; Field pH 6 (pH meter); Few

**Morphological Notes**

**Observation Notes**

WAS LV377:

**Site Notes**

LOCKYER

Project Name: LOC

Project Code: LOC

Agency Name: CSIRO Division of Soils (QLD)

Site ID: B990

Observation ID: 1

Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.3	6.3A	0.078A	6.9J	2.4	0.74	0.1		11.5F		0.87
0.3 - 0.57	5.4A	0.024A	2.6J	1.2	0.09	0.1		5.1F		1.96
0.57 - 0.9	4.9A	0.028A	2.5J	7.1	0.14	0.2		16.4F		1.22
0.9 - 1.2	5.2A	0.031A	0.8J	5.1	0.08	0.2		8F		2.50

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.3												
0.3 - 0.57												
0.57 - 0.9												
0.9 - 1.2												

Depth	COLE	Sat.	Gravimetric/Volumetric Water Contents	K sat	K unsat
m			0.05 Bar 0.1 Bar 0.5 Bar 1 Bar 5 Bar 15 Bar	mm/h	mm/h
			g/g - m3/m3		
0 - 0.3					
0.3 - 0.57					
0.57 - 0.9					
0.9 - 1.2					

**Project Name:** LOC  
**Project Code:** LOC      **Site ID:** B990      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (QLD)

**Laboratory Analyses Completed for this profile**

15F1_CA	Exchangeable bases by 0.01M silver-thiourea (AgTU)+, no pretreatment for soluble salts
15F1_CEC	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_K	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_MG	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_NA	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F2_AL	Extractable Al(%) - Silver Thiorea
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension