

Project Name: LOC  
Project Code: LOC Site ID: B955 Observation ID: 1  
Agency Name: CSIRO Division of Soils (QLD)

**Site Information**

Desc. By:	K.J. Smith	Locality:	
Date Desc.:	//	Elevation:	No Data
Map Ref.:	Sheet No. : 9342 1:100000	Rainfall:	0
Northing/Long.:	152.403888888889	Runoff:	No Data
Easting/Lat.:	-27.766666666667	Drainage:	Well drained

**Geology**

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Sandstone

**Land Form**

Rel/Slope Class:	No Data	Pattern Type:	Low hills
Morph. Type:	Lower-slope	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	22 %	Aspect:	No Data

**Surface Soil Condition (dry):**

**Erosion:**

**Soil Classification**

Australian Soil Classification:		Mapping Unit:	N/A
N/A		Principal Profile Form:	Gn4.82
ASC Confidence:		Great Soil Group:	Brown earth
Confidence level not specified			

**Site Disturbance:** Complete clearing. Pasture, native or improved, but never cultivated

**Vegetation:**

**Surface Coarse Fragments:**

**Profile Morphology**

A1	0 - 0.07 m	Brown (7.5YR4/4-Moist); ; Fine sandy loam; Massive grade of structure; Dry; Very weak consistence; Field pH 8 (pH meter); Diffuse change to -
A2	0.07 - 0.11 m	Yellowish red (5YR3/6-Moist); ; Sandy clay loam; Massive grade of structure; Dry; Strong consistence; Field pH 7 (pH meter); Gradual change to -
B21	0.11 - 0.38 m	Yellowish red (5YR5/6-Moist); ; Medium clay; Moderate grade of structure, Subangular blocky; Dry; Strong consistence; Field pH 7.5 (pH meter); Gradual change to -
C	0.38 - 0.64 m ; 0.64 - 0.94 m ;	

**Morphological Notes**

Weathered red/yellow and white sandstone.

**Observation Notes**

WAS LV294:

**Site Notes**

LOCKYER

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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 - 0.1	7.3A	0.107A	7J	2.1	1.29	0.2		13F		1.54
0.1 - 0.3	6.5A	0.036A	5.6J	1.3	0.44	0.1		11.1F		0.90
0.3 - 0.5	6.9A	0.041A	10.8J	2.9	0.51	0.3		18.5F		1.62
0.5 - 0.8	6.6A	0.033A	6.9J	2	0.53	0.2		12F		1.67

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 - 0.1												
0.1 - 0.3												
0.3 - 0.5												
0.5 - 0.8												

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		
			g/g - m3/m3	mm/h	mm/h
0 - 0.1					
0.1 - 0.3					
0.3 - 0.5					
0.5 - 0.8					

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**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