

**Project Name:** LOC  
**Project Code:** LOC      **Site ID:** B942      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (QLD)

**Site Information**

<b>Desc. By:</b>	K.J. Smith	<b>Locality:</b>	
<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>	152.404166666667	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	-27.740833333333	<b>Drainage:</b>	Moderately 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>	Low hills
<b>Morph. Type:</b>	Mid-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	No Data	<b>Slope Category:</b>	No Data
<b>Slope:</b>	17.6 %	<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>	Gn4.81
		<b>Great Soil Group:</b>	Brown earth

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

**Vegetation:**

**Surface Coarse Fragments:**

**Profile Morphology**

A1	0 - 0.2 m	Dark brown (7.5YR3/4-Moist); ; Sandy loam; Weak grade of structure, Subangular blocky; Dry; Strong consistence; Field pH 6 (pH meter); CommonDiffuse change to -
A2	0.2 - 0.35 m	Yellowish red (5YR4/6-Moist); ; Sandy clay loam (Light); Massive grade of structure; Moderately moist; Very weak consistence; 0-2%, Gravel, coarse fragments; Field pH 5.9 (pH meter); FewGradual change to -
B1	0.35 - 0.65 m	Yellowish red (5YR4/6-Moist); ; Sandy clay loam (Light); Weak grade of structure, Subangular blocky; Moderately moist; Very weak consistence; 0-2%, coarse gravelly, 20-60mm, Gravel, coarse fragments; Field pH 6.2 (pH meter); Gradual change to -
B21	0.65 - 0.9 m	Yellowish red (5YR5/6-Moist); , 2-10% , 5-15mm, Distinct; , 2-10% , 5-15mm, Distinct; Sandy medium clay; Weak grade of structure, Subangular blocky; Moist; Firm consistence; 0-2%, coarse gravelly, 20-60mm, Gravel, coarse fragments; Field pH 6 (pH meter); Clear change to -
BC	0.9 - 0.95 m	Yellowish red (5YR5/6-Moist); , 2-10% , 5-15mm, Distinct; , 2-10% , 5-15mm, Distinct; Light medium clay; Massive grade of structure; 10-20%, Sandstone, coarse fragments; Field pH 6 (pH meter); Clear change to -
C	0.95 - 1 m	;

**Morphological Notes**

C Weathered yellow sandstone.

**Observation Notes**

WAS LV213:

**Site Notes**

LOCKYER

**Observation ID: 1**

**Laboratory Test Results:**

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity		%
0 - 0.2	5.9A	0.106A	6.2J	2	0.57	0.1		6.9F	1.45
0.2 - 0.35	5.6A	0.037A	3.7J	0.7	0.33	0.2		3.8F	5.26
0.35 - 0.65	6.4A	0.027A	2.2J	0.5	0.28	0.1		2.5F	4.00
0.65 - 0.9	5.7A	0.051A	4.1J	2.1	0.78	0.5		7.7F	6.49
0.9 - 0.95	5.7A	0.045A	3.3J	1.8	0.61	0.4		6.4F	6.25
0.95 - 1	5.9A	0.04A	2.9J	1.3	0.61	0.4		4.8F	8.33

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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