

**Project Name:** LOC  
**Project Code:** LOC      **Site ID:** B947      **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>	152.41611111111111	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	-27.742222222222	<b>Drainage:</b>	Rapidly 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>	Hills
<b>Morph. Type:</b>	Lower-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	No Data	<b>Slope Category:</b>	No Data
<b>Slope:</b>	22 %	<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>	Gn4.33
		<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 - 0.28 m	Very dark brown (10YR2/2-Moist); ; Sandy loam (Heavy); Weak grade of structure, Subangular blocky; Dry; Very weak consistence; Field pH 6.3 (pH meter); FewClear change to -
B21	0.28 - 0.45 m	Dark yellowish brown (10YR4/5-Moist); ; Light clay; Moderate grade of structure, Angular blocky; Moderately moist; Very firm consistence; 0-2%, rounded, Quartz, coarse fragments; Field pH 7 (pH meter); Gradual change to -
B22	0.45 - 0.63 m	Brownish yellow (10YR6/6-Moist); ; Medium clay; Strong grade of structure, Angular blocky; Moderately moist; Weak consistence; 0-2%, rounded, Quartz, coarse fragments; Field pH 8 (pH meter); Gradual change to -
C	0.63 - 0.7 m	;

**Morphological Notes**

C Weathered red yellow sandstone with some ww gravel.

**Observation Notes**

WAS LV245:

**Site Notes**

LOCKYER

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**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 - 0.3	6.2A	0.154A	10J	2.2	0.42	0.1		15.8F	0.63
0.3 - 0.4	6A	0.12A	12.3J	4.3	0.46	0		21F	0.00
0.4 - 0.6	6.2A	0.214A	15.1J	6.5	0.68	0.9		27.4F	3.28
0.6 - 0.85	6.3A	0.213A	9.1J	4.1	0.48	0.8		16.9F	4.73

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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