

**Project Name:** LOC  
**Project Code:** LOC      **Site ID:** B967      **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>	152.462222222222	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	-27.7644444444445	<b>Drainage:</b>	Imperfectly 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>	Crest	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	No Data	<b>Slope Category:</b>	No Data
<b>Slope:</b>	5.5 %	<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>	Dy2.23
		<b>Great Soil Group:</b>	Solodic soil

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

**Vegetation:**

**Surface Coarse Fragments:**

**Profile Morphology**

A1	0 - 0.25 m	Dark brown (10YR3/3-Moist); ; Sand; Moderate grade of structure, <2 mm, Subangular blocky; Moderately moist; Very weak consistence; Field pH 7 (pH meter); Gradual change to -
A2	0.25 - 0.3 m	Dark greyish brown (10YR4/2-Moist); ; Sandy loam; Weak grade of structure, Subangular blocky; Moderately moist; Weak consistence; Field pH 6.7 (pH meter); Abrupt change to -
B21	0.3 - 0.43 m	Greyish brown (10YR5/2-Moist); ; 10YR56; Medium heavy clay; Moderate grade of structure, Subangular blocky; Moderately moist; Firm consistence; Field pH 7.5 (pH meter); Gradual change to -
B22	0.43 - 0.67 m	Light olive brown (2.5Y5/4-Moist); ; Medium clay; Strong grade of structure, Subangular blocky; Moderately moist; Very firm consistence; Field pH 8.4 (pH meter); Gradual change to -
B23	0.57 - 0.92 m	Yellowish brown (10YR5/4-Moist); ; Medium clay; Strong grade of structure, Subangular blocky; Moderately moist; Very firm consistence; Field pH 7 (pH meter); Gradual change to -
B24	0.92 - 1.05 m	Light grey (10YR7/1-Moist); ; 10YR66, 10-20% , 0-5mm, Faint; , 10-20% , 0-5mm, Faint; Medium clay; Strong grade of structure, Subangular blocky; Moderately moist; Very firm consistence; Field pH 6 (pH meter); Gradual change to -
BC	1.05 - 1.3 m	Brownish yellow (10YR6/6-Moist); ; 10YR61, 10-20% , 0-5mm, Faint; , 10-20% , 0-5mm, Faint; Moderate grade of structure, Subangular blocky; Field pH 5.7 (pH meter); Clear change to -
C	1.3 - 1.6 m	; Field pH 5.7 (pH meter);

**Morphological Notes**

C Bright red/yell with patches of white w'th sandstone.

**Observation Notes**

WAS LV335:

**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	Acidity		%
						Cmol	(+)/kg		
0 - 0.1	6.6A	0.128A	1.8J	2	0.71	0.5		4.8F	10.42
0.25 - 0.3	6.9A	0.109A	1.8J	2.2	0.45	0.9		4.9F	18.37
0.3 - 0.43	7.6A	0.509A	3.7J	14	1.33	6.9		24.6F	28.05
0.4 - 0.5	7.9A	1.13A	3.1J	16.7	1.14	9.1		26.4F	34.47
0.7 - 0.8	7.4A	1.08A	1.9J	14.7	0.75	9		23.7F	37.97
0.9 - 1	5.9A	0.995A	1.3J	13.2	0.5	8.3		20F	41.50
1.05 - 1.3	5.1A	1.02A	1.1J	11.5	0.37	7.8		18.1F	43.09
1.3 - 1.6	4.8A	0.982A	0.9J	12.1	0.52	8.4		18.9F	44.44

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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
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension