

**Project Name:** LOC  
**Project Code:** LOC      **Site ID:** B927      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (QLD)

**Site Information**

<b>Desc. By:</b>	K.J. Smith	<b>Locality:</b>	Brimblecomb 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>	152.421666666667	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	-27.6994444444444	<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>	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>	4.4 %	<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>	Gn4.15
		<b>Great Soil Group:</b>	Yellow earth

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

**Vegetation:**

**Surface Coarse Fragments:**

**Profile Morphology**

A1	0 - 0.3 m	Dark brown (7.5YR3/4-Moist); ; Sandy loam (Heavy); Moderate grade of structure, 5-10 mm, Subangular blocky; Strong grade of structure, <2 mm, Granular; Moist; Very weak consistence; Field pH 6 (pH meter); CommonGradual change to -
A2	0.3 - 0.35 m	Brown (7.5YR4/4-Moist); ; Sandy clay loam; Weak grade of structure, Subangular blocky; Moderately moist; Very weak consistence; Field pH 6.5 (pH meter); FewGradual change to -
B1	0.35 - 0.55 m	Reddish brown (5YR4/4-Moist); ; Light clay; Moderate grade of structure, Subangular blocky; Moderately moist; Weak consistence; Very few (0 - 2 %), Calcareous, , Nodules; Field pH 7 (pH meter); FewGradual change to -
C	0.55 - 0.6 m	;

**Morphological Notes**

C Weathered yellow & yellow brown sandstone.

**Observation Notes**

WAS LV164:

**Site Notes**

LOCKYER

**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 - 0.1	6.1A	0.038A	3.2J	1.1	0.58	0		6F		0.00
0.3 - 0.35	6.4A	0.028A	4.1J	1.6	0.44	0.1		7.1F		1.41
0.4 - 0.5	6.4A	0.077A	10.4J	6	1.17	0.4		24.8F		1.61
0.55 - 0.6	6.6A	0.065A	6.5J	4.4	0.78	0.4		15F		2.67

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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