Project Name: LOC

Project Code: LOC Site ID: B926 Observation ID: 1

Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By: K.J. Smith Locality: Brimblecomb property.

 Date Desc.:
 //
 Elevation:
 No Data

 Map Ref.:
 Sheet No.: 9342
 1:100000
 Rainfall:
 0

 Northing/Long.:
 152.43777777778
 Runoff:
 No Data

 Easting/Lat.:
 -27.6963888888889
 Drainage:
 Well drained

Geology

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

Land Form

Rel/Slope Class: No Data Pattern Type: Low hills Morph. Type: Crest Relief: No Data Elem. Type: No Data Slope Category: No Data Slope: % Aspect: No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:Mapping Unit:N/AN/APrincipal Profile Form:Gn2.24ASC Confidence:Great Soil Group:Black earth

Confidence level not specified

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A1 0 - 0.1 m Dark brown (10YR3/3-Moist); ; Loamy sand; Weak grade of structure, 10-20 mm, Subangular

blocky; Strong grade of structure, <2 mm, Granular; Moist; Very weak consistence; Field pH 6

(pH meter); CommonGradual change to -

A2 0.1 - 0.32 m Brown (10YR4/3-Moist); ; Clay loam, sandy; Weak grade of structure, 10-20 mm, Subangular

blocky; Moist; Very weak consistence; Field pH 5.8 (pH meter); Diffuse change to -

B 0.32 - 0.6 m Strong brown (7.5YR5/6-Moist); ; Sandy clay loam; Massive grade of structure; Dry; Very weak

consistence; 2-10%, Sandstone, coarse fragments; Field pH 5.8 (pH meter); Gradual change to

C 0.6 - 0.8 m

Morphological Notes

C Reddish weathered sandstone.

Observation Notes

WAS LV161:

Site Notes

LOCKYER

Project Name: LOC
Project Code: LOC Site ID: B92
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Laboratory Test Results:

рН	1:5 EC	Exchangeable Cations				kchangeable	CEC		ECEC		ESP	
	dS/m	a N	lg	K							%	
5A	0.12A	2.7J	0.9	0.4	0.1		4.8	=			2.08	
4.7A	0.04A	1.4J	0.5	0.06	0.1		3.3	=			3.03	
4.6A	0.037A	1.1J	0.4	0.04	0.1						3.57	
4.3A	0.035A	0.9J	0.3	0.08	0.1		3.9F				2.56	
CaCO3	Organic C %	Avail. P mg/kg	Total P %	Total N %	Total K %	Bulk Density Mg/m3	Pa GV	article CS	Size FS %	•		
	4.7A 4.6A 4.3A	5A 0.12A 4.7A 0.04A 4.6A 0.037A 4.3A 0.035A CaCO3 Organic C	5A 0.12A 2.7J 4.7A 0.04A 1.4J 4.6A 0.037A 1.1J 4.3A 0.035A 0.9J	dS/m 5A 0.12A 2.7J 0.9 4.7A 0.04A 1.4J 0.5 4.6A 0.037A 1.1J 0.4 4.3A 0.035A 0.9J 0.3 CaCO3 Organic Avail. Total C P P	dS/m 5A 0.12A 2.7J 0.9 0.4 4.7A 0.04A 1.4J 0.5 0.06 4.6A 0.037A 1.1J 0.4 0.04 4.3A 0.035A 0.9J 0.3 0.08 CaCO3 Organic Avail. Total C P P N	dS/m Cmol (+)/ 5A 0.12A 2.7J 0.9 0.4 0.1 4.7A 0.04A 1.4J 0.5 0.06 0.1 4.6A 0.037A 1.1J 0.4 0.04 0.1 4.3A 0.035A 0.9J 0.3 0.08 0.1 CaCO3 Organic Avail. Total Total C P P N K	dS/m Cmol (+)/kg 5A 0.12A 2.7J 0.9 0.4 0.1 4.7A 0.04A 1.4J 0.5 0.06 0.1 4.6A 0.037A 1.1J 0.4 0.04 0.1 4.3A 0.035A 0.9J 0.3 0.08 0.1 CaCO3 Organic Avail. Total Total Bulk Density	dS/m Cmol (+)/kg 5A 0.12A 2.7J 0.9 0.4 0.1 4.8I 4.7A 0.04A 1.4J 0.5 0.06 0.1 3.3I 4.6A 0.037A 1.1J 0.4 0.04 0.1 2.8I 4.3A 0.035A 0.9J 0.3 0.08 0.1 3.9I CaCO3 Organic Avail. Total Total Bulk Pa	dS/m Cmol (+)/kg 5A 0.12A 2.7J 0.9 0.4 0.1 4.8F 4.7A 0.04A 1.4J 0.5 0.06 0.1 3.3F 4.6A 0.037A 1.1J 0.4 0.04 0.1 2.8F 4.3A 0.035A 0.9J 0.3 0.08 0.1 3.9F CaCO3 Organic Avail. Total Total Total Bulk Particle C P P N K Density GV CS	dS/m Cmol (+)/kg 5A 0.12A 2.7J 0.9 0.4 0.1 4.8F 4.7A 0.04A 1.4J 0.5 0.06 0.1 3.3F 4.6A 0.037A 1.1J 0.4 0.04 0.1 2.8F 4.3A 0.035A 0.9J 0.3 0.08 0.1 3.9F CaCO3 Organic Avail. Total Total Total Bulk Particle Size C P P N K Density GV CS FS	dS/m Cmol (+)/kg 5A 0.12A 2.7J 0.9 0.4 0.1 4.8F 4.7A 0.04A 1.4J 0.5 0.06 0.1 3.3F 4.6A 0.037A 1.1J 0.4 0.04 0.1 2.8F 4.3A 0.035A 0.9J 0.3 0.08 0.1 3.9F CaCO3 Organic Avail. Total Total Total Bulk Particle Size Analys C P P N K Density GV CS FS Silt	

COLE Depth **Gravimetric/Volumetric Water Contents** K sat K unsat Sat. 0.05 Bar 0.1 Bar 0.5 Bar 1 Bar g/g - m3/m3 5 Bar 15 Bar m mm/h mm/h

0 - 0.1 0.1 - 0.32 0.32 - 0.6 0.6 - 0.8

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Laboratory Analyses Completed for this profile

15F1_CA 15F1_CEC 15F1_K 15F1_MG 15F1_NA Exchangeable bases by 0.01M silver-thiourea (AgTU)+, no pretreatment for soluble salts Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts 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