Project Name: LOC

Project Code: LOC Site ID: B909 Observation ID: 1

Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By: K.J. Smith Locality:

 Date Desc.:
 //
 Elevation:
 No Data

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

 Northing/Long.:
 152.295555555555
 Runoff:
 No Data

 Easting/Lat.:
 -27.595
 Drainage:
 Well drained

<u>Geology</u>

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

Land Form

Rel/Slope Class: No Data Pattern Type: Low hills Morph. Type: Mid-slope Relief: No Data Elem. Type: No Data Slope Category: No Data Slope: 13.2 % Aspect: No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

 Australian Soil Classification:
 Mapping Unit:
 N/A

 N/A
 Principal Profile Form:
 Dy4.41

 ASC Confidence:
 Great Soil Group:
 Soloth

Confidence level not specified

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

Vegetation:

Mid Strata - , , . *Species includes - Acacia cunninghamii

Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

A1 0 - 0.06 m Dark brown (7.5YR3/4-Moist); ; Sand; Single grain grade of structure; Dry; Loose consistence; Field pH 6 (pH meter); ManyClear change to -

A2 0.06 - 0.11 m Brown (7.5YR5/4-Moist); Pinkish grey (7.5YR7/2-Dry); ; Sand; Massive grade of structure; Dry; Loose consistence; Field pH 6 (pH meter); Abrupt change to -

Loose consistence, Field pir o (pir meter), Abrupt change to

B21 0.11 - 0.43 m Yellowish red (5YR5/6-Moist); ; Medium clay; Moderate grade of structure, Columnar; Strong grade of structure, Subangular blocky; Dry; Very strong consistence; Field pH 5.5 (pH meter);

Diffuse change to -

B22 0.41 - 0.63 m Yellowish red (5YR4/8-Moist); ; Light medium clay; Strong grade of structure, Angular blocky;

Dry; Very strong consistence; Field pH 5.5 (pH meter); Gradual change to -

C 0.63 - 0.73 m ; Field pH 5.9 (pH meter);

Morphological Notes

C White and yellow weathered sandstone.

Observation Notes

WAS LV114:

Site Notes

LOCKYER

Project Name: LOC
Project Code: LOC Site ID: B90
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Laboratory Test Results:

pH 1:5 EC		Exchangeable Catio			E	CEC		ECEC		ESP	
	dS/m	a M	Иg	K	Na Cmol (+)/	Acidity kg					%
5A	0.071A	0.1J	1.8	0.22	0.4		2.9F	=			13.79
5A	0.038A	4.8J	6	0.44	4.2		11.4	F		;	36.84
5.2A	0.126A	0.2J	7	0.32	2.4		12.7F			18.90	
5.2A	0.732A	9.1J	9.6	0.34	3.8		19.2F			19.79	
CaCO3	Organic C %	Avail. P mg/kg	Total P %	Total N %	Total K %	Bulk Density Mg/m3	Pa GV	rticle CS	Size FS %	Analysi Silt	is Clay
	5A 5A 5.2A 5.2A CaCO3	5A 0.071A 5A 0.038A 5.2A 0.126A 5.2A 0.732A CaCO3 Organic C	Ca dS/m 5A 0.071A 0.1J 5A 0.038A 4.8J 5.2A 0.126A 0.2J 5.2A 0.732A 9.1J CaCO3 Organic Avail. C P	Ca Mg dS/m 5A 0.071A 0.1J 1.8 5A 0.038A 4.8J 6 5.2A 0.126A 0.2J 7 5.2A 0.732A 9.1J 9.6 CaCO3 Organic Avail. Total C P P	Ca dS/m Mg K 5A 0.071A 0.1J 1.8 0.22 5A 0.038A 4.8J 6 0.44 5.2A 0.126A 0.2J 7 0.32 5.2A 0.732A 9.1J 9.6 0.34 CaCO3 Organic Avail. Total P Total N	Ca dS/m Mg K Na Cmol (+)/ 5A 0.071A 0.1J 1.8 0.22 0.4 5A 0.038A 4.8J 6 0.44 4.2 5.2A 0.126A 0.2J 7 0.32 2.4 5.2A 0.732A 9.1J 9.6 0.34 3.8 CaCO3 Organic Avail. Total Total K	Ca dS/m Mg K Na Comol (+)/kg 5A 0.071A 0.1J 1.8 0.22 0.4 5A 0.038A 4.8J 6 0.44 4.2 5.2A 0.126A 0.2J 7 0.32 2.4 5.2A 0.732A 9.1J 9.6 0.34 3.8 CaCO3 Organic Avail. Total Total Bulk Density	Ca dS/m Mg K Na Acidity Cmol (+)/kg 5A 0.071A 0.1J 1.8 0.22 0.4 2.9F 5A 0.038A 4.8J 6 0.44 4.2 11.4 5.2A 0.126A 0.2J 7 0.32 2.4 12.7 5.2A 0.732A 9.1J 9.6 0.34 3.8 19.2 CaCO3 Organic Avail. Total Total Total Bulk Density Pack C P P N K Density GV	Ca dS/m Mg K Na Acidity Cmol (+)/kg 5A 0.071A 0.1J 1.8 0.22 0.4 2.9F 5A 0.038A 4.8J 6 0.44 4.2 11.4F 5.2A 0.126A 0.2J 7 0.32 2.4 12.7F 5.2A 0.732A 9.1J 9.6 0.34 3.8 19.2F CaCO3 Organic Avail. Total Total Total Bulk Density Particle C P P N K Density GV CS	Acads/m Mg K Na Comol (+)/kg Acidity Cmol (+)/kg 5A 0.071A 0.1J 1.8 0.22 0.4 2.9F 5A 0.038A 4.8J 6 0.44 4.2 11.4F 5.2A 0.126A 0.2J 7 0.32 2.4 12.7F 5.2A 0.732A 9.1J 9.6 0.34 3.8 19.2F CaCO3 Organic Avail. Total Total Bulk Density Particle Size C P P N K Density GV CS FS	Ca dS/m Mg K Na Acidity Cmol (+)/kg 5A 0.071A 0.1J 1.8 0.22 0.4 2.9F 5A 0.038A 4.8J 6 0.44 4.2 11.4F 5.2A 0.126A 0.2J 7 0.32 2.4 12.7F 5.2A 0.732A 9.1J 9.6 0.34 3.8 19.2F CaCO3 Organic Avail. Total Total Bulk Density 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 - 0.06 0.06 - 0.11 0.11 - 0.41 0.41 - 0.63

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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