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
Date Desc.: //
Map Ref.: Sheet No. : 9342 1:100000
Northing/Long.: 152.295555555556
Easting/Lat.: -27.595
Locality:
Elevation: No Data
Rainfall: 0
Runoff: No Data
Drainage: Well drained

Geology

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

Land Form

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

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
N/A
ASC Confidence:
Confidence level not specified
Mapping Unit: N/A
Principal Profile Form: Dy4.41
Great Soil Group: Soloth

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 -
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

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity			
m		dS/m	Cmol (+)/kg							%
0 - 0.06	5A	0.071A	0.1J	1.8	0.22	0.4		2.9F		13.79
0.06 - 0.11	5A	0.038A	4.8J	6	0.44	4.2		11.4F		36.84
0.11 - 0.41	5.2A	0.126A	0.2J	7	0.32	2.4		12.7F		18.90
0.41 - 0.63	5.2A	0.732A	9.1J	9.6	0.34	3.8		19.2F		19.79

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis				
								GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.06												
0.06 - 0.11												
0.11 - 0.41												
0.41 - 0.63												

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