

Project Name: LOC
Project Code: LOC Site ID: B963 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.:	152.37	Runoff:	No Data
Easting/Lat.:	-27.764722222222	Drainage:	Well drained

Geology

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:	Hills
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	8.8 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
N/A		Principal Profile Form:	Dy4.21
ASC Confidence:		Great Soil Group:	Grey clay
Confidence level not specified			

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation:

Tall Strata - Tree, 3.01-6m, Mid-dense. *Species includes - Acacia harpophylla

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.07 m	Dark brown (7.5YR3/2-Moist); ; Fine sandy loam; Strong grade of structure, <2 mm, Granular; Dry; Very weak consistence; Field pH 7 (pH meter); CommonClear change to -
A2	0.07 - 0.2 m	Brown (7.5YR4/2-Moist); ; Clay loam; Weak grade of structure, Subangular blocky; Dry; Strong consistence; Field pH 5.8 (pH meter); Clear change to -
B21	0.2 - 0.65 m	Brown (7.5YR5/4-Moist); ; Medium heavy clay; Strong grade of structure, 10-20 mm, Subangular blocky; Dry; Strong consistence; Field pH 6 (pH meter); Diffuse change to -
BC	0.65 - 0.9 m	Light yellowish brown (10YR6/4-Moist); , 7.5YR56; Light medium clay; Moderate grade of structure, Subangular blocky; Dry; Very weak consistence; Field pH 5.7 (pH meter);
C	0.9 - 1 m	; Field pH 5.5 (pH meter);

Morphological Notes

C Weathered shale or very fine grained sandstone.

Observation Notes

WAS LV315:

Site Notes

LOCKYER

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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	5.3A	0.355A	3.6J	2.1	0.63	0.1		5.3F		1.89
0.07 - 0.2	5.2A	0.22A	3.6J	0.3	0.19	0.1		3F		3.33
0.65 - 0.9	4.7A	0.212A	9.8J	1.9	0.48	0.1		10.5F		0.95
0.9 - 1	4.7A	0.16A	4.9J	1.2	0.25	0.1		5.9F		1.69

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.1												
0.07 - 0.2												
0.65 - 0.9												
0.9 - 1												

Depth	COLE	Sat.	Gravimetric/Volumetric Water Contents	K sat	K unsat
m			0.05 Bar 0.1 Bar 0.5 Bar 1 Bar 5 Bar 15 Bar	mm/h	mm/h
0 - 0.1			g/g - m3/m3		
0.07 - 0.2					
0.65 - 0.9					
0.9 - 1					

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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