

Project Name: LOC
Project Code: LOC Site ID: B984 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.:	152.354166666667	Runoff:	No Data
Easting/Lat.:	-27.776388888889	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:	Mountains
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	11 %	Aspect:	No Data

Surface Soil Condition (dry): N/A

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
N/A		Principal Profile Form:	Dr2.41
ASC Confidence:		Great Soil Group:	Red podzolic soil
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	0.01 - 0.09 m	Dark brown (7.5YR3/2-Moist); ; Weak grade of structure, Angular blocky; Dry; Very strong consistence; Field pH 6 (pH meter); FewClear change to -
A2	0.09 - 0.2 m	Reddish brown (5YR4/4-Moist); ; Fine sandy loam; Moderate grade of structure, Subangular blocky; Dry; Very strong consistence; Field pH 6.5 (pH meter); Clear change to -
B21	0.2 - 0.6 m	Reddish brown (2.5YR4/4-Moist); ; Medium clay; Strong grade of structure, Angular blocky; Dry; Very strong consistence; Field pH 5.8 (pH meter); Gradual change to -
BC	0.6 - 0.75 m	Brown (7.5YR5/4-Moist); ; Sandy medium clay; Moderate grade of structure, Subangular blocky; Dry; Very strong consistence; 0-2%, Sandstone, coarse fragments; Field pH 4.5 (pH meter);

Morphological Notes

Observation Notes

WAS LV364:

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				%
0.01 - 0.09	5.6A	0.14A	9.4J	3.8	1.89	0.2		17.2F		1.16
0.09 - 0.2	5.6A	0.086A	5.7J	2.7	1.56	0.2		11.7F		1.71
0.2 - 0.6	5A	0.066A	7.4J	4.1	1.4	0.3		16.4F		1.83
0.6 - 0.75	4.6A	0.053A	4.6J	3.1	0.85	0.2		15F		1.33

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			%		
0.01 - 0.09												
0.09 - 0.2												
0.2 - 0.6												
0.6 - 0.75												

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
			g/g - m3/m3		
0.01 - 0.09					
0.09 - 0.2					
0.2 - 0.6					
0.6 - 0.75					

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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