

Project Name: LOC
Project Code: LOC Site ID: B938 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.:	152.356944444444	Runoff:	No Data
Easting/Lat.:	-27.727777777778	Drainage:	Moderately 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:	Mid-slope	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	22 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
N/A		Principal Profile Form:	Dd3.13
ASC Confidence:		Great Soil Group:	Grey clay
Confidence level not specified			

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

Vegetation:

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

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.08 m	Very dark brown (10YR2/2-Moist); ; Clay loam (Heavy); Moderate grade of structure, 5-10 mm, Subangular blocky; Moderately moist; Very firm consistence; 2-10%, cobbly, 60-200mm, Sandstone, coarse fragments; Field pH 5.8 (pH meter); CommonClear change to -
B1	0.08 - 0.45 m	Very dark grey (10YR3/1-Moist); ; Medium clay; Strong grade of structure, 10-20 mm, Angular blocky; Moderately moist; Very firm consistence; Field pH 7 (pH meter); CommonGradual change to -
BC	0.45 - 0.68 m	Yellowish brown (10YR5/4-Moist); ; Medium clay; Moderate grade of structure, Subangular blocky; Moderately moist; Very firm consistence; Common (10 - 20 %), Calcareous, , Nodules; Field pH 8.5 (pH meter);
	0.68 - 0.78 m	; Field pH 9 (pH meter);

Morphological Notes

Observation Notes

WAS LV193:

Site Notes

LOCKYER

Observation ID: 1

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 - 0.08	5.4A	0.157A	15.4J	1.7	1.23	0.2		21.7F		0.92
0.08 - 0.45	6.4A	0.215A	17J	3.6	1.93	0.8		30F		2.67
0.45 - 0.68	7.4A	0.45A	24.5J	4.3	1.25	1.6		31.3F		5.11

[illegible][illegible]

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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