

Project Name: LOC
Project Code: LOC Site ID: B949 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.:	152.424722222222	Runoff:	No Data
Easting/Lat.:	-27.7375	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:	Upper-slope	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	15.6 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
N/A		Principal Profile Form:	Gn4.52
ASC Confidence:		Great Soil Group:	Brown earth
Confidence level not specified			

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

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.08 m	Dark brown (7.5YR3/4-Moist); ; Sandy loam; Strong grade of structure, 2-5 mm, Subangular blocky; Dry; Very weak consistence; Field pH 8 (pH meter); CommonGradual change to -
B1	0.08 - 0.21 m	Dark reddish brown (5YR3/4-Moist); ; Sandy clay loam; Moderate grade of structure, 5-10 mm, Subangular blocky; Dry; Very weak consistence; Field pH 6 (pH meter); Clear change to -
B21	0.21 - 0.4 m	Yellowish red (5YR5/6-Moist); ; Sandy medium clay; Moderate grade of structure, Subangular blocky; Dry; Very weak consistence; Field pH 6.5 (pH meter); Clear change to -
B22	0.4 - 0.8 m	Yellowish brown (10YR5/4-Moist); , 5YR58, 0-2% , 5-15mm, Faint; , 0-2% , 5-15mm, Faint; Light medium clay; Strong grade of structure, Subangular blocky; Field pH 6.7 (pH meter); Clear change to -
C	0.8 - 0.9 m	; Field pH 7 (pH meter);

Morphological Notes

C Red, yellow weathered sandtone.

Observation Notes

WAS LV254:

Site Notes

LOCKYER

Observation ID: 1

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na	Acidity		%
						Cmol	(+)/kg		
0 - 0.1	6.6A	1.3A	11.7J	3.7	1.45	0.1		18.6F	0.54
0.1 - 0.2	6.1A	0.139A	7.9J	2.1	0.131	0.1		13.7F	0.73
0.2 - 0.35	5.7A	0.088A	8.3J	4.3	0.57	0.3		15.5F	1.94
0.35 - 0.6	5.8A	0.137A	15.8J	10.1	0.83	0.7		29.8F	2.35
0.6 - 0.9	5.7A	0.092A	8J	5.5	0.65	0.6		15.7F	3.82

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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