

Project Name: LOC
Project Code: LOC **Site ID:** B935 **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.:	152.360555555556	Runoff:	No Data
Easting/Lat.:	-27.752222222222	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:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	Gn3.74
		Great Soil Group:	Red podzolic soil

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

Vegetation:

Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus crebra

Surface Coarse Fragments: 20-50%, stony, 200-600mm, , Sandstone

Profile Morphology

A1	0 - 0.11 m	Dark reddish brown (5YR3/2-Moist); ; Clay loam; Strong grade of structure, <2 mm, Granular; Moist; Very weak consistence; 20-50%, stony, 200-600mm, Sandstone, coarse fragments; Field pH 5.5 (pH meter); Gradual change to -
A2	0.11 - 0.36 m	Reddish brown (5YR4/4-Moist); ; Light clay; Moderate grade of structure, Subangular blocky; Moist; Very weak consistence; 20-50%, stony, 200-600mm, Sandstone, coarse fragments; Field pH 5 (pH meter); Gradual change to -
B21	0.36 - 0.67 m	Yellowish red (5YR5/6-Moist); ; Medium clay; Moderate grade of structure, Subangular blocky; Moist; Very weak consistence; 2-10%, stony, 200-600mm, Sandstone, coarse fragments; Field pH 5 (pH meter); Gradual change to -
B22	0.67 - 1 m	Yellowish red (5YR5/8-Moist); ; Medium clay; Moderate grade of structure, Subangular blocky; 20-50%, stony, 200-600mm, Sandstone, coarse fragments; Clear change to -
BC	1 - 1.08 m	Reddish yellow (7.5YR6/6-Moist); ; 20-50%, stony, 200-600mm, Sandstone, coarse fragments; Field pH 4.5 (pH meter); Gradual change to -
C	1.08 - 1.18 m	; Field pH 5.5 (pH meter);

Morphological Notes

C Ochreous yellow & grey & orange weathered sandstone.

Observation Notes

WAS LV184:

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 Cmol (+)/kg	Acidity		%
0 - 0.11	5.3A	0.066A	4.9J	3.9	1.1	0.4		11.5F	3.48
0.11 - 0.34	4.7A	0.061A	2.5J	6	0.47	0.2		11.6F	1.72
0.36 - 0.67	4.6A	0.044A	0.7J	5.9	0.46	0.4		17.6F	2.27
0.67 - 1	4.8A	0.031A	0J	5	0.45	0.5		16.1F	3.11
1 - 1.08	5.6A	0.155A	0.1J	10.4	0.67	3.5		18.2F	19.23

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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