

Project Name: LOC
Project Code: LOC Site ID: B986 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.:	152.324444444444	Runoff:	No Data
Easting/Lat.:	-27.7644444444445	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:	4.4 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
N/A		Principal Profile Form:	Dr2.21
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, 12.01-20m, Mid-dense. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.09 m	Dark brown (7.5YR3/2-Moist); ; Clay loam (Light); Weak grade of structure, 2-5 mm, Subangular blocky; Dry; Strong consistence; Field pH 6 (pH meter); Clear change to -
A2	0.09 - 0.3 m	Dark reddish brown (5YR3/2-Moist); ; Clay loam; Weak grade of structure, Subangular blocky; Dry; Strong consistence; Field pH 6 (pH meter); Clear change to -
B21	0.3 - 0.6 m	Dark reddish brown (2.5YR3/4-Moist); ; Light medium clay; Strong grade of structure, 2-5 mm, Subangular blocky; Dry; Strong consistence; Field pH 5 (pH meter); Gradual change to -
B22	0.6 - 0.8 m	Red (2.5YR4/6-Moist); ; Medium clay; Strong grade of structure, 5-10 mm, Angular blocky; Dry; Strong consistence; Field pH 4.5 (pH meter); Diffuse change to -
BC	0.8 - 1.1 m	White (10YR8/2-Moist); ; Light medium clay; Weak grade of structure, Subangular blocky; Dry; Very firm consistence; 2-10%, Sandstone, coarse fragments; Field pH 4.5 (pH meter);

Morphological Notes

Observation Notes

WAS LV371:

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 - 0.09	5.4A	0.059A	5J	2.1	0.62	0		10.6F	0.00
0.09 - 0.3	5.3A	0.035A	4.6J	2	0.42	0.1		10.1F	0.99
0.3 - 0.6	5.1A	0.016A	1.1J	2.1	0.06	0.2		11F	1.82
0.6 - 0.8	4.8A	0.024A	0.4J	2.6	0.04	0.3		12.9F	2.33
0.8 - 1.1	4.5A	0.038A	0.1J	3	0.13	0.3		14.7F	2.04

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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