

Project Name: LOC
Project Code: LOC **Site ID:** B922 **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.:	152.495555555556	Runoff:	No Data
Easting/Lat.:	-27.75	Drainage:	Rapidly 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:	Low hills
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	12.1 %	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:	Dr2.23
		Great Soil Group:	Solodic soil

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

Vegetation:

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

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.15 m	Very dark grey (10YR3/1-Moist); ; Loamy sand; Moderate grade of structure, 2-5 mm, Subangular blocky; Moderately moist; Weak consistence; Field pH 5.7 (pH meter); Clear change to -
A2	0.16 - 0.36 m	Very dark greyish brown (10YR3/2-Moist); ; Sand; Massive grade of structure; Dry; Strong consistence; 20-50%, stony, 200-600mm, rounded, coarse fragments; Abrupt change to -
B21	0.36 - 0.53 m	Red (2.5YR4/6-Moist); ; Medium heavy clay; Moderate grade of structure, Subangular blocky; Moderately moist; Very firm consistence; Field pH 5.7 (pH meter); Gradual change to -
B22	0.53 - 0.57 m	Yellowish red (5YR5/6-Moist); ; Medium heavy clay; Moderate grade of structure, Subangular blocky; Dry; Very strong consistence; Gradual change to -
B31	0.67 - 0.78 m	Brownish yellow (10YR6/6-Moist); ; Medium clay; Moderate grade of structure, Subangular blocky; Dry; Very strong consistence; Common (10 - 20 %), Manganiferous, , Soft segregations; Field pH 8.5 (pH meter); Gradual change to -
B32	0.78 - 1.1 m	Brownish yellow (10YR6/7-Moist); ; Light clay; Weak grade of structure, Subangular blocky; Dry; Very strong consistence; Common (10 - 20 %), Manganiferous, , Soft segregations; Field pH 8.5 (pH meter);
C	1.1 - 1.2 m	; Loamy sand;

Morphological Notes

C Weathered pale yellow & white sandstone.

Observation Notes

WAS LV138:

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	5.6A	0.064A	2.4J	1.5	0.43	0.4		4.7F	8.51
0.15 - 0.36	5.9A	0.023A	1.1J	1	0.12	0.1		2F	5.00
0.4 - 0.5	5.8A	0.057A	6.8J	14.3	0.31	1		24.8F	4.03
0.53 - 0.57	5.7A	0.14A	6.6J	14.1	0.29	1.4		24.6F	5.69
0.57 - 0.78	8.5A	0.241A	19.7J	21.7	0.19	1.6		23.3F	6.87
0.78 - 1.2	8.8A	0.239A	27.6J	19.7	0.18	1.4		16.7F	8.38

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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