

Project Name: LOC
Project Code: LOC **Site ID:** B920 **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.:	152.491666666667	Runoff:	No Data
Easting/Lat.:	-27.745833333334	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:	4.4 %	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:	Db1.43
		Great Soil Group:	Solodic soil

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

Vegetation:

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

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.09 m	Very dark grey (10YR3/1-Moist); ; Loamy sand (Heavy); Weak grade of structure, Subangular blocky; Dry; Strong consistence; Field pH 5.7 (pH meter); CommonClear change to -
A2	0.09 - 0.19 m	Pale brown (10YR6/3-Moist); ; Sand; Massive grade of structure; Dry; Strong consistence; 10-20%, cobbly, 60-200mm, rounded, Gravel, coarse fragments; Field pH 5.7 (pH meter); Abrupt change to -
B21	0.19 - 0.45 m	Dark yellowish brown (10YR4/4-Moist); ; Medium clay; Weak grade of structure, Columnar; Moderate grade of structure, Subangular blocky; Moderately moist; Very firm consistence; Field pH 5.8 (pH meter); Gradual change to -
B22	0.45 - 0.63 m	Brownish yellow (10YR6/6-Moist); ; Medium clay; Moderate grade of structure, Subangular blocky; Moderately moist; Very firm consistence; Very few (0 - 2 %), Calcareous, , Nodules; Field pH 8 (pH meter); Gradual change to -
B3	0.63 - 0.7 m	;

Morphological Notes

B3 Brown clay and weathered sandstone some Ca nods.

Observation Notes

WAS LV131:

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 - 0.1	5.4A	0.06A	1.6J	1.5	0.36	0.1		4.7F		2.13
0.09 - 0.19	5.1A	0.025A	0.3J	0.8	0.15	0.1		2.2F		4.55
0.19 - 0.45	6.1A	0.367A	2.5J	14.9	0.17	4.8		23.3F		20.60
0.4 - 0.5	8A	0.367A	2.4J	14.5	0.23	5.7		22.8F		25.00
0.63 - 0.7	8.6A	0.629A	4J	11.6	0.3	4.8		19.5F		24.62

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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