

Project Name: LOC
Project Code: LOC **Site ID:** B985 **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.:	152.320555555556	Runoff:	No Data
Easting/Lat.:	-27.759722222222	Drainage:	Imperfectly 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:	Hillcrest	Slope Category:	No Data
Slope:	6.6 %	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:	Ug5.13
		Great Soil Group:	Grey clay

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

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.15 m	Very dark grey (10YR3/1-Moist); ; Light clay; Moderate grade of structure, Angular blocky; Medium, (5 - 10) mm crack; Dry; Very firm consistence; 2-10%, medium gravelly, 6-20mm, Sandstone, coarse fragments; Field pH 7.5 (pH meter); CommonClear change to -
B1	0.15 - 0.4 m	Brown (10YR4/3-Moist); ; Heavy clay; Strong grade of structure, Angular blocky; Dry; Very firm consistence; Field pH 7.5 (pH meter); FewGradual change to -
B21	0.4 - 0.65 m	Light yellowish brown (10YR6/4-Moist); ; Heavy clay; Strong grade of structure, Angular blocky; Dry; Very firm consistence; Field pH 6.5 (pH meter); Gradual change to -
BC	0.65 - 0.8 m	Light yellowish brown (10YR6/4-Moist); ; Medium heavy clay; Moderate grade of structure, Angular blocky; Moderately moist; Weak consistence; Field pH 6 (pH meter); Gradual change to -
C	0.8 - 0.93 m	; 20-50%, Sandstone, coarse fragments; Field pH 6.5 (pH meter);

Morphological Notes

Observation Notes

WAS LV370:

Site Notes

LOCKYER

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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 - 0.15	6.2A	0.098A	15.4J	10	2	4.2		30.5F	13.77
0.15 - 0.4	6A	0.113A	15.5J	16	0.83	1		50.6F	1.98
0.4 - 0.65	5.5A	0.148A	11.8J	17.9	0.61	1.7		34.4F	4.94
0.65 - 0.8	5.5A	0.155A	8J	17.5	0.47	2		26.6F	7.52
0.8 - 0.93	5.2A	0.213A	6.1J	17.6	0.48	2.6		28.1F	9.25

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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
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension