

Project Name: LOC
Project Code: LOC **Site ID:** B936 **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.:	152.37111111111111	Runoff:	No Data
Easting/Lat.:	-27.75	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:	Mountains
Morph. Type:	Upper-slope	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	55 %	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:	Gn3.91
		Great Soil Group:	Grey clay

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

Vegetation:

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

Profile Morphology

A1	0 - 0.15 m	Very dark brown (10YR2/2-Moist); ; Light clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Strong grade of structure, Granular; Moist; Very weak consistence; 20-50%, stony, 200-600mm, Sandstone, coarse fragments; Field pH 6.3 (pH meter); CommonClear change to -
B21	0.15 - 0.52 m	Reddish brown (5YR4/4-Moist); ; Medium clay; Strong grade of structure, 5-10 mm, Angular blocky; Moist; Very firm consistence; Slightly plastic; 10-20%, stony, 200-600mm, Sandstone, coarse fragments; Field pH 5.8 (pH meter); Gradual change to -
B22	0.52 - 0.79 m	Brown (7.5YR5/4-Moist); ; Medium heavy clay; Strong grade of structure, 20-50 mm, Subangular blocky; Moist; Firm consistence; Very plastic; Field pH 5.5 (pH meter); Clear change to -
BC	0.79 - 1.05 m	Reddish yellow (7.5YR6/6-Moist); ; Light clay; Moderate grade of structure, Subangular blocky; Moist; Firm consistence; Moderately plastic; Field pH 5.5 (pH meter); Gradual change to -
C	1.05 - 1.15 m	; Field pH 5 (pH meter);

Morphological Notes

C Pale yellow soft weathered sandstone.

Observation Notes

WAS LV185:

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 - 0.15	6.6A	0.104A	14.4J	5.1	1.53	0.2		21.6F	0.93
0.15 - 0.52	6.2A	0.078A	10.9J	12.4	0.8	0.7		27F	2.59
0.52 - 0.79	5.3A	0.166A	5.3J	22.1	0.5	3		32F	9.38
0.79 - 1.05	5.3A	0.161A	4J	19.2	0.4	2.4		28F	8.57
1.05 - 1.35	5.7A	0.3A	1.8J	14.2	0.29	4.2		21.9F	19.18

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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