

Project Name: LOC
Project Code: LOC **Site ID:** B1010 **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.:	152.475277777778	Runoff:	No Data
Easting/Lat.:	-29.641944444445	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:	No Data	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:	Dy3.13
		Great Soil Group:	Solodic soil

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation:

Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.16 m	Very dark brown (10YR2/2-Moist); ; Loamy fine sand; Moderate grade of structure, Granular; Moist; Very weak consistence; Field pH 6 (pH meter); CommonClear change to -
A2	0.16 - 0.2 m	Brown (10YR4/3-Moist); ; Sandy loam; Weak grade of structure, Angular blocky; Moist; Weak consistence; Field pH 6.5 (pH meter); FewClear change to -
B21	0.2 - 0.32 m	Greyish brown (10YR5/2-Moist); ; 5YR46, 20-50% , 5-15mm, Distinct; , 20-50% , 5-15mm, Distinct; Medium clay; Moderate grade of structure, Angular blocky; Field pH 8 (pH meter); Gradual change to -
B22	0.32 - 0.65 m	Light brownish grey (2.5Y6/2-Moist); , 10YR66, 20-50% , 5-15mm, Distinct; , 20-50% , 5-15mm, Distinct; Medium clay; Moderate grade of structure, Angular blocky; Moist; Very firm consistence; Field pH 8 (pH meter); Gradual change to -
B23	0.65 - 0.8 m	Brownish yellow (10YR6/6-Moist); , 2.5Y62, 10-20% , 0-5mm, Prominent; , 10-20% , 0-5mm, Prominent; Medium clay; Weak grade of structure, Angular blocky; Moist; Very firm consistence; Field pH 8.8 (pH meter); Clear change to -
BC	0.8 - 0.95 m	Brownish yellow (10YR6/6-Moist); , 2.5Y62, 10-20% , 0-5mm, Prominent; , 10-20% , 0-5mm, Prominent; Weak grade of structure, Angular blocky; 10-20%, Sandstone, coarse fragments; Field pH 8.8 (pH meter); Diffuse change to -
C	0.95 - 1.15 m ;	
	1.15 - 1.45 m ;	
	- m ;	

Morphological Notes

Weathered orange & white sandstone.

Observation Notes

WAS LV426:

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 - 0.1	6.3A	0.037A	4.6J	1.4	0.64	0		7.5F	0.00
0.1 - 0.2	6.4A	0.04A	4.8J	1.3	0.72	0		8.5F	0.00
0.2 - 0.3	6.8A	0.026A	4.2J	1.3	0.49	0		6.2F	0.00
0.3 - 0.4	7.6A	0.114A	10.6J	8.6	0.38	1.1		21.4F	5.14
0.4 - 0.6	8.3A	0.164A	8.9J	8	0.3	1.7		18.3F	9.29
0.6 - 0.8	8.5A	0.264A	8.4J	7.8	0.65	2.4		17.4F	13.79
0.8 - 0.9	8.7A	0.278A	6.6J	7	0.19	2.5		14.5F	17.24
0.9 - 1	9.1A	0.289A	5.4J	6.1	0.29	3.2		13.2F	24.24
1 - 1.2	9.3A	0.196A	3.4J	3.9	0.23	2.5		8.7F	28.74

[illegible][illegible]

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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