

Project Name: LOC  
Project Code: LOC Site ID: B910 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.:	152.4625	Runoff:	No Data
Easting/Lat.:	-27.758333333333	Drainage:	Well drained

**Geology**

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Conglomerate

**Land Form**

Rel/Slope Class:	No Data	Pattern Type:	Low hills
Morph. Type:	Lower-slope	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	11.1 %	Aspect:	No Data

**Surface Soil Condition (dry):**

**Erosion:**

**Soil Classification**

Australian Soil Classification:		Mapping Unit:	N/A
N/A		Principal Profile Form:	Dy2.41
ASC Confidence:		Great Soil Group:	Soloth
Confidence level not specified			

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

**Vegetation:**

Mid Strata - Tree, 3.01-6m, Mid-dense. \*Species includes - Acacia species  
Tall Strata - Tree, 6.01-12m, Mid-dense. \*Species includes - None Recorded

**Surface Coarse Fragments:**

**Profile Morphology**

A1	0 - 0.05 m	Dark brown (7.5YR3/2-Moist); ; Sandy loam; Strong grade of structure, 2-5 mm, Granular; Moderately moist; Very weak consistence; Field pH 5.5 (pH meter); Clear change to -
A2	0.05 - 0.15 m	Brown (7.5YR4/4-Moist); Pinkish grey (7.5YR7/2-Dry); ; Clayey sand; Massive grade of structure; Dry; Very weak consistence; Field pH 5 (pH meter); Abrupt change to -
B21	0.15 - 0.45 m	Strong brown (7.5YR5/6-Moist); ; Light medium clay; Weak grade of structure, Columnar; Moderate grade of structure, Subangular blocky; Dry; Very strong consistence; Field pH 5.5 (pH meter); Gradual change to -
B3	0.45 - 0.55 m	Strong brown (7.5YR5/8-Moist); ; Light medium clay; Weak grade of structure, Subangular blocky; Moderately moist; Very firm consistence; Field pH 5.5 (pH meter);
	0.55 - 0.6 m	; Field pH 5.7 (pH meter);

**Morphological Notes**

Weathered sandstone.

**Observation Notes**

WAS LV115:

**Site Notes**

LOCKYER

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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	0.167A	8.7J	4.5	0.67	0.5		14.9F		3.36
0.1 - 0.2	5.1A	0.064A	0.8J	1.2	0.22	0.2		2.3F		8.70
0.15 - 0.45	0A	0A	0.1J	8.2	0.41	1.2		12.3F		9.76
0.5 - 0.6	4.7A	0.159A	0.2J	10.4	0.38	2.5		14.8F		16.89

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.1												
0.1 - 0.2												
0.15 - 0.45												
0.5 - 0.6												

Depth	COLE	Sat.	Gravimetric/Volumetric Water Contents	K sat	K unsat
m			0.05 Bar 0.1 Bar 0.5 Bar 1 Bar 5 Bar 15 Bar	mm/h	mm/h
			g/g - m3/m3		
0 - 0.1					
0.1 - 0.2					
0.15 - 0.45					
0.5 - 0.6					

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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