

Project Name: LOC  
Project Code: LOC Site ID: B950 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.:	152.385	Runoff:	No Data
Easting/Lat.:	-27.758333333333	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:	Crest	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	28.6 %	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:	Gn3.74
		Great Soil Group:	Non-calcic brown soil

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

**Vegetation:**

Tall Strata - Tree, 3.01-6m, Mid-dense. \*Species includes - Acacia harpophylla

**Surface Coarse Fragments:**

**Profile Morphology**

A1	0 - 0.05 m	Very dark grey (10YR3/1-Moist); ; Clay loam; Strong grade of structure, 5-10 mm, Subangular blocky; Dry; Very weak consistence; Field pH 8 (pH meter); CommonClear change to -
A2	0.05 - 0.26 m	Brown (7.5YR4/4-Moist); ; Light clay; Strong grade of structure, 5-10 mm, Subangular blocky; Dry; Very weak consistence; Field pH 6.5 (pH meter); Gradual change to -
B21	0.26 - 0.48 m	Strong brown (7.5YR5/6-Moist); ; Light medium clay; Strong grade of structure, Subangular blocky; Dry; Very weak consistence; Field pH 5.5 (pH meter); Gradual change to -
B22	0.48 - 0.7 m	Pale brown (10YR6/3-Moist); , 7.5YR58, 20-50% , 0-5mm, Distinct; , 20-50% , 0-5mm, Distinct; Light clay; Strong grade of structure, Subangular blocky; Dry; Very weak consistence; Field pH 5.5 (pH meter); Gradual change to -
BC	0.7 - 1.15 m	Pale brown (10YR6/3-Moist); , 7.5YR58, 20-50% , 5-15mm, Distinct; , 20-50% , 5-15mm, Distinct; Fine sandy clay loam; Weak grade of structure, Subangular blocky; Moderately moist; Weak consistence; 10-20%, Sandstone, coarse fragments; Field pH 5.8 (pH meter);

**Morphological Notes**

**Observation Notes**

WAS LV277:

**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	5.9A	0.482A	13.8J	7.2	3.39	0.8		23.9F		3.35
0.1 - 0.2	5.8A	0.153A	12J	7.1	2.62	0.4		23F		1.74
0.2 - 0.5	5.2A	0.074A	12.4J	11	2.12	0.5		28.8F		1.74
0.5 - 0.7	5A	0.07A	11.3J	13.7	1.49	0.6		28.7F		2.09
0.7 - 1.5	5.1A	0.086A	10.1J	17.1	1.38	1.7		32.5F		5.23

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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