

Project Name: LOC  
Project Code: LOC Site ID: B923 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.:	152.466666666667	Runoff:	No Data
Easting/Lat.:	-27.7425	Drainage:	Rapidly 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:	Low hills
Morph. Type:	Crest	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:	Dr4.11
ASC Confidence:	Great Soil Group:	Red podzolic soil
Confidence level not specified		

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

**Vegetation:**

Tall Strata - Tree, 12.01-20m, Mid-dense. \*Species includes - None Recorded

**Surface Coarse Fragments:**

**Profile Morphology**

A1	0 - 0.11 m	Dark brown (7.5YR3/2-Moist); ; Loam; Strong grade of structure, Subangular blocky; Moderately moist; Weak consistence; Field pH 6 (pH meter); AbundantClear change to -
B21	0.11 - 0.45 m	Red (2.5YR4/6-Moist); ; Medium clay; Moderate grade of structure, 50-100 mm, Prismatic; Moderate grade of structure, 20-50 mm, Angular blocky; Dry; Very strong consistence; Field pH 6 (pH meter); CommonDiffuse change to -
B3	0.45 - 0.7 m	Reddish yellow (5YR6/6-Moist); , 5YR56; Light medium clay; Moderate grade of structure, Subangular blocky; Dry; Strong consistence; 10-20%, Sandstone, coarse fragments; Field pH 6 (pH meter); Gradual change to -
C	0.7 - 0.8 m ;	

**Morphological Notes**

C White weathered sandstone.

**Observation Notes**

**Site Notes**

LOCKYER

**Observation ID: 1**

**Laboratory Test Results:**

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Exchangeable Na	CEC	ECEC	ESP
m		dS/m				Acidity Cmol (+)/kg			%
0 - 0.1	5.8A	0.094A	5.3J	3.4	0.89	0.2	10.3F		1.94
0.11 - 0.45	5.5A	0.074A	10.5J	8.9	0.88	0.4	22.9F		1.75
0.4 - 0.5	5.8A	0.079A	6.9J	6.2	0.41	0.5	14.9F		3.36

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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