

Project Name: LOC  
Project Code: LOC Site ID: B991 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.:	152.3	Runoff:	No Data
Easting/Lat.:	-27.7644444444445	Drainage:	Moderately well drained

**Geology**

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

**Land Form**

Rel/Slope Class:	No Data	Pattern Type:	Hills
Morph. Type:	Mid-slope	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	35.2 %	Aspect:	No Data

**Surface Soil Condition (dry):**

**Erosion:**

**Soil Classification**

Australian Soil Classification:	Mapping Unit:	N/A
N/A	Principal Profile Form:	Dy3.41
ASC Confidence:	Great Soil Group:	Grey clay
Confidence level not specified		

**Site Disturbance:** Complete clearing. Pasture, native or improved, cultivated at some stage

**Vegetation:**

**Surface Coarse Fragments:**

**Profile Morphology**

A1	0 - 0.15 m	Black (10YR2/1-Moist); ; Clay loam; Moderate grade of structure, 2-5 mm, Subangular blocky; Dry; Strong consistence; Field pH 6.8 (pH meter); CommonGradual change to -
A2	0.15 - 0.32 m	Brown (10YR5/3-Moist); ; Light clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Dry; Strong consistence; Field pH 6.5 (pH meter); FewClear change to -
B21	0.32 - 0.8 m	Yellowish brown (10YR5/4-Moist); , 7.5YR56, 20-50% , 0-5mm, Faint; , 20-50% , 0-5mm, Faint; Heavy clay; Strong grade of structure, 20-50 mm, Subangular blocky; Dry; Strong consistence; Field pH 6 (pH meter); FewDiffuse change to -
BC	0.8 - 1.2 m	Very pale brown (10YR7/4-Moist); , 7.5YR58, 10-20% , 0-5mm, Faint; , 10-20% , 0-5mm, Faint; Light medium clay; Moderate grade of structure, Subangular blocky; Dry; Strong consistence; Field pH 5.5 (pH meter); Abrupt change to -

**Morphological Notes**

**Observation Notes**

WAS LV378:

**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 - 0.15	6.7A	0.064A	10.2H	3.9	1.31	0.1	17.9F		0.56
0.15 - 0.32	6.7A	0.041A	6.6H	4.4	0.86	0.1	13.2F		0.76
0.32 - 0.8	5.9A	0.086A	6H	16.8	0.45	1.1	25.7F		4.28
0.8 - 1.2	4.9A	0.213A	1.1H	13.5	0.33	2.6	18.7F		13.90

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**Laboratory Analyses Completed for this profile**

15E1_CA	Exchangeable bases (Ca <sup>2+</sup> ,Mg <sup>2+</sup> ,Na <sup>+</sup> ,K <sup>+</sup> ) by compulsive exchange, no pretreatment for soluble
15E1_K	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_MG	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_NA	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15F1_CEC	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