

Project Name: LOC
Project Code: LOC **Site ID:** B1012 **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.:	152.47361111111111	Runoff:	No Data
Easting/Lat.:	-27.63361111111111	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:	Hills
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	0 %	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:	Ug5.13
		Great Soil Group:	Grey clay

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.01 m	Very dark greyish brown (10YR3/2-Moist); ; Medium clay; Strong grade of structure, 2-5 mm, Granular; Abrupt change to -
A12	0.01 - 0.13 m	Very dark greyish brown (10YR3/2-Moist); ; Medium heavy clay; Moderate grade of structure, 10-20 mm, Angular blocky; Moderate grade of structure, 5-10 mm, Angular blocky; Moist; Firm consistence; Moderately plastic; CommonClear change to -
B21	0.13 - 0.45 m	Strong brown (7.5YR5/5-Moist); ; Medium heavy clay; Moderate grade of structure, Angular blocky; Moist; Weak consistence; Slightly plastic; Diffuse change to -
B22	0.45 - 0.83 m	Reddish yellow (7.5YR6/6-Moist); ; Medium heavy clay; Moderate grade of structure, Angular blocky; Moderately moist; Firm consistence; Gradual change to -
B23	0.83 - 1.08 m	Brownish yellow (10YR6/6-Moist); , 7.5YR70, 2-10% , 0-5mm, Distinct; , 2-10% , 0-5mm, Distinct; Medium clay; Strong grade of structure, Angular blocky; Dry; Firm consistence; Diffuse change to -
BC	1.08 - 1.3 m	Reddish yellow (7.5YR6/8-Moist); , 7.5YR70, 2-10% , 0-5mm, Distinct; , 2-10% , 0-5mm, Distinct; Medium clay; Moderate grade of structure, Angular blocky; Dry; Very firm consistence; 10-20%, Sandstone, coarse fragments; Abrupt change to -
R	1.3 - 1.4 m	Rock
	1.4 - 1.7 m	;

Morphological Notes

Fine grained sandstone.

Observation Notes

WAS LV429:

Site Notes

LOCKYER

Observation ID: 1

Laboratory Test Results:

Depth m	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
		dS/m	Ca	Mg	K	Na			
						Cmol (+)/kg			%
0.01 - 0.13	6.5A	0.066A	13J	10.9	1.8	0.63		29.7F	2.12
0.13 - 0.2	7.5A	0.094A	15.8J	16.3	1	1.7		38.9F	4.37
0.2 - 0.4	7.7A	0.156A	15.1J	17.5	0.85	2.5		40.1F	6.23
0.4 - 0.5	6.5A	0.252A	13.2J	20	0.75	4.2		40.1F	10.47
0.5 - 0.8	5.4A	0.273A	9.4J	19.5	0.69	4.7		35.6F	13.20
0.8 - 1	5.3A	0.244A	7.7J	20.1	0.9	5.5		36.8F	14.95
1 - 1.2	5.2A	0.294A	6J	18.4	0.92	6		33.1F	18.13
1.2 - 1.3	5.5A	0.37A	7.2J	21.4	0.98	7.7		37.3F	20.64

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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
6A1	Organic carbon - Walkley and Black
9G_BSES	Available P (mg/kg) - Acid P - 0.005M H2SO4 (BSES)