

Project Name: LOC
Project Code: LOC **Site ID:** B924 **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.:	152.469444444445	Runoff:	No Data
Easting/Lat.:	-27.7425	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:	Alluvial fan
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	4.4 %	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:	Dd1.13
		Great Soil Group:	Solodic soil

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

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.02 m	Very dark grey (10YR3/1-Moist); ; Clay loam (Heavy); Moderate grade of structure, <2 mm, Granular; Moderately moist; Very weak consistence; Field pH 5.7 (pH meter); CommonAbrupt change to -
B21	0.02 - 0.42 m	Very dark grey (10YR3/1-Moist); ; Heavy clay; Strong grade of structure, 10-20 mm, Angular blocky; Dry; Very strong consistence; Field pH 6.5 (pH meter); FewDiffuse change to -
B22	0.42 - 0.58 m	Dark greyish brown (2.5Y4/2-Moist); ; Heavy clay; Strong grade of structure, Subangular blocky; Dry; Very strong consistence; Field pH 8 (pH meter); FewGradual change to -
B23	0.58 - 0.75 m	Greyish brown (2.5Y5/3-Moist); ; Heavy clay; Strong grade of structure, Subangular blocky; Moderately moist; Very firm consistence; Field pH 8.5 (pH meter);
B24	0.75 - 1 m	Brown (10YR4/3-Moist); ; Medium heavy clay; Moderate grade of structure, Subangular blocky; Moderately moist; Very firm consistence; Few (2 - 10 %), Calcareous, , Nodules; Field pH 8.8 (pH meter);

Morphological Notes

Observation Notes

WAS LV140:

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	5.2A	0.304A	4.5J	6.6	1.08	0.8		14.6F		5.48
0.02 - 0.42	6.9A	1.29A	8.7J	19.9	0.31	6		34.5F		17.39
0.42 - 0.58	8.3A	1.48A	9.2J	21.8	0.24	8.4		38.6F		21.76
0.58 - 0.75	8.5A	0.598A	8.2J	20.5	0.29	8.9		36.8F		24.18
0.75 - 1	9.1A	0.647A	7.3J	15.3	0.38	7.4		29.4F		25.17

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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