

Project Name: LOC
Project Code: LOC **Site ID:** B917 **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.:	152.455555555556	Runoff:	No Data
Easting/Lat.:	-27.752777777778	Drainage:	Well drained

Geology

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

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Low hills
Morph. Type:	Lower-slope	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:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	Dy2.43
		Great Soil Group:	Solodic soil

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation:

Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Acacia cunninghamii

Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.06 m	Very dark brown (10YR2/2-Moist); ; Loamy sand; Weak grade of structure, Subangular blocky; Dry; Very weak consistence; Field pH 5.7 (pH meter); ManyClear change to -
A2	0.06 - 0.28 m	Light yellowish brown (10YR6/4-Moist); White (10YR8/1-Dry); ; Loamy sand; Massive grade of structure; Dry; Strong consistence; Field pH 6 (pH meter); FewAbrupt change to -
B21	0.28 - 0.4 m	Strong brown (7.5YR5/6-Moist); ; Medium clay; Weak grade of structure, Columnar; Strong grade of structure, Angular blocky; Dry; Strong consistence; Field pH 5.5 (pH meter); Gradual change to -
B22	0.4 - 0.58 m	Yellowish red (5YR5/8-Moist); , 10YR76; Medium clay; Strong grade of structure, Subangular blocky; Moderately moist; Very firm consistence; Gradual change to -
B23	0.58 - 0.8 m	Reddish yellow (5YR6/8-Moist); ; Light medium clay; Moderate grade of structure, Subangular blocky; Moderately moist; Very firm consistence; Field pH 5.7 (pH meter);
B3	0.8 - 0.9 m	Yellowish red (5YR5/8-Moist); , 10YR76; Medium clay; Moderate grade of structure, Subangular blocky; Dry; Strong consistence; Field pH 8.5 (pH meter);

Morphological Notes

Observation Notes

WAS LV122:

Site Notes

LOCKYER

Observation ID: 1

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity		%
0 - 0.1	5.4A	0.125A	4.6J	1.7	0.43	0.1		8.7F	1.15
0.06 - 0.28	4.7A	0.087A	0J	0.7	0.13	0.3		1.5F	20.00
0.28 - 0.4	4.7A	0.228A	0.3J	7.2	0.45	3.4		17.7F	19.21
0.4 - 0.58	4.7A	0.309A	0.6J	8.2	0.53	4.5		19.2F	23.44
0.58 - 0.8	5.4A	0.291A	0.9J	7.4	0.5	4.8		17.7F	27.12
0.8 - 0.9	8.3A	0.275A	2.2J	9.5	0.81	6.5		23.8F	27.31

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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