

Project Name: LOC
Project Code: LOC **Site ID:** B932 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	K.J. Smith	Locality:	Les Talby - Laidley-Mulgowie Road.
Date Desc.:	//	Elevation:	No Data
Map Ref.:	Sheet No. : 9342 1:100000	Rainfall:	0
Northing/Long.:	152.396666666667	Runoff:	No Data
Easting/Lat.:	-27.683333333333	Drainage:	Imperfectly 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:	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:	Dy3.43
		Great Soil Group:	Solodic soil

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

Vegetation:

Tall Strata - Tree, 12.01-20m, Mid-dense. *Species includes - Eucalyptus crebra

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.15 m	Very dark grey (10YR3/1-Moist); ; Sandy loam; Moderate grade of structure, Subangular blocky; Strong grade of structure, Granular; Moist; Very weak consistence; Field pH 5.5 (pH meter); FewGradual change to -
A2	0.15 - 0.28 m	Greyish brown (10YR5/2-Moist); Light grey (10YR7/1-Dry); ; Clayey sand; Weak grade of structure, Subangular blocky; Moist; Very weak consistence; Field pH 5.8 (pH meter); FewAbrupt change to -
B1	0.28 - 0.4 m	Dark greyish brown (10YR4/2-Moist); ; Light medium clay; Moderate grade of structure, Subangular blocky; Moderately moist; Very firm consistence; Field pH 6.8 (pH meter); Gradual change to -
B21	0.4 - 0.75 m	Brown (10YR5/3-Moist); , 10YR66, 2-10% , 0-5mm, Faint; , 2-10% , 0-5mm, Faint; Medium clay; Moderate grade of structure, Subangular blocky; Moderately moist; Very firm consistence; Field pH 8 (pH meter); Diffuse change to -
B22	0.75 - 1.85 m	Brown (10YR5/3-Moist); ; Medium clay; Strong grade of structure, Subangular blocky; Moderately moist; Very firm consistence; 2-10%, coarse gravelly, 20-60mm, rounded, Gravel, coarse fragments; Field pH 7.8 (pH meter); Diffuse change to -
B23	1.85 - 2.15 m	Greyish brown (10YR5/2-Moist); , 10YR54, 2-10% , 5-15mm, Faint; , 2-10% , 5-15mm, Faint; Medium clay; Strong grade of structure, Subangular blocky; 0-2%, rounded, Gravel, coarse fragments; Field pH 5.5 (pH meter);

Morphological Notes

Observation Notes

WAS LV178:

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 - 0.15	5.4A	0.039A	1.9J	0.3	0.27	0.1		3.2F	3.13
0.15 - 0.28	5.5A	0.035A	1.2J	0.2	0.1	0.3		2.5F	12.00
0.28 - 0.4	6A	0.219A	4.3J	2.8	0.18	3.8		17.6F	21.59
0.4 - 0.75	6.4A	0.48A	3.8J	2.7	0.09	5.3		15.8F	33.54
0.75 - 1.85	5.6A	0.447A	2.9J	2.6	0.13	5.9		17F	34.71
1.85 - 2.15	4.9A	0.476A	3.5J	3.2	0.2	7.4		20.8F	35.58

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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