Project Name: LOC
Project Code: LOC **Site ID:** B921 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By: K.J. Smith
Date Desc.: //
Map Ref.: Sheet No. : 9342 1:100000
Northing/Long.: 152.483333333333
Easting/Lat.: -27.7244444444444
Locality:
Elevation: No Data
Rainfall: 0
Runoff: No Data
Drainage: Moderately well drained

Geology

ExposureType: No Data
Geol. Ref.: No Data
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: Unconsolidated material (unidentified)

Land Form

Rel/Slope Class: No Data
Morph. Type: Flat
Elem. Type: No Data
Slope: 2.2 %
Pattern Type: Alluvial plain
Relief: No Data
Slope Category: No Data
Aspect: No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
N/A
ASC Confidence:
Confidence level not specified
Mapping Unit: N/A
Principal Profile Form: Ug5.16
Great Soil Group: Black earth

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

Vegetation:

Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.08 m	Brown (10YR5/3-Moist); ; Light medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Dry; Very strong consistence; Field pH 6 (pH meter); FewClear change to -
B1	0.08 - 0.3 m	Very dark grey (10YR3/1-Moist); ; Light clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Dry; Very strong consistence; Few (2 - 10 %), Manganiferous, , Nodules; Field pH 6 (pH meter); Few, very fine (0-1mm) roots; Clear change to -
B21	0.3 - 0.7 m	Black (10YR2/1-Moist); ; Heavy clay; Strong grade of structure, Subangular blocky; Moderately moist; Very firm consistence; Very plastic; Few (2 - 10 %), Calcareous, , Nodules; Field pH 7.5 (pH meter); Few, very fine (0-1mm) roots; Diffuse change to -
B22	0.7 - 1 m	Dark grey (10YR4/1-Moist); ; Heavy clay; Strong grade of structure, Subangular blocky; Moderately moist; Very firm consistence; Moderately plastic; Few (2 - 10 %), Calcareous, , Nodules; Field pH 8.5 (pH meter);

Morphological Notes

Observation Notes

WAS LV136:

Site Notes

LOCKYER

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable Acidity	CEC	ECEC	ESP
			Ca	Mg	K	Na				
m		dS/m	Cmol (+)/kg							%
0 - 0.1	5.6A	0.168A	7.5J	10.7	0.7	3.1		26F		11.92
0.08 - 0.3	5.8A	0.168A	7.2J	9.5	0.34	4.2		22.7F		18.50
0.4 - 0.5	8.2A	0.771A	19.8J	22.9	0.57	16.7		48.9F		34.15
0.7 - 1	8.8A	0.717A	28.3J	23.3	0.67	19		46.7F		40.69

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis				
								GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.1												
0.08 - 0.3												
0.4 - 0.5												
0.7 - 1												

Depth	COLE	Gravimetric/Volumetric Water Contents						K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m		g/g - m3/m3							mm/h	mm/h
0 - 0.1										
0.08 - 0.3										
0.4 - 0.5										
0.7 - 1										

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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