Project Name: LOC

Project Code: LOC Site ID: B901 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.:
 152.2541666666667
 Runoff:
 No Data

 Easting/Lat.:
 -27.5875
 Drainage:
 No Data

Geology

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

Land Form

Rel/Slope Class:No DataPattern Type:No DataMorph. Type:CrestRelief:No DataElem. Type:No DataSlope Category:No DataSlope:4.4 %Aspect:No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:Mapping Unit:N/AN/APrincipal Profile Form:Dr4.13ASC Confidence:Great Soil Group:Solodic soil

Confidence level not specified

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

Vegetation:

Tall Strata - Tree, 12.01-20m, Isolated plants. *Species includes - Eucalyptus crebra

Surface Coarse Fragments:

Profile Morphology

A1 0 - 0.12 m Black (10YR2/1-Moist); ; Loam (Heavy); Moderate grade of structure, 10-20 mm, Subangular

blocky; Moderately moist; Firm consistence; 0-2%, coarse gravelly, 20-60mm, Gravel, coarse

fragments; Field pH 6 (pH meter); ManyClear change to -

B21 0.12 - 0.4 m Dark reddish brown (5YR3/4-Moist); ; Medium heavy clay; Strong grade of structure, 10-20 mm,

Subangular blocky; Moderately moist; Firm consistence; Field pH 5.5 (pH meter);

CommonGradual change to -

B22 0.4 - 0.6 m Dark yellowish brown (10YR3/5-Moist); ; Medium clay; Strong grade of structure, Subangular

blocky; Moderately moist; Firm consistence; 0-2%, fine gravelly, 2-6mm, Gravel, coarse

fragments; Field pH 7 (pH meter); FewClear change to -

C 0.6 - 0.65 m ;

Morphological Notes

Many carbonate nods. with pale yellow brown L-MC matrix.

Observation Notes

WAS LV84:

Site Notes

LOCKYER

Project Name: LOC
Project Code: LOC Site ID: B90
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Laboratory Test Results:

Depth	рН	1:5 EC		nangeable	Cations K	Na	Exchangeable	CEC	ECEC	ESP
m		dS/m	·a r	Иg	N.	Cmol (-	Acidity +)/kg			%
0 - 0.12	5.4A	0.088A	6.2J	5.6	0.2	0.89		13.6F		6.54
0.1 - 0.2	5.2A	0.178A	12.3J	17.7	1.9	0.35		32.4F		1.08
0.4 - 0.6	6.6A	0.567A	14.2J	19.8	4.5	0.13		35.4F		0.37
0.6 - 0.65	8.4A	0.44A	17.9J	21.3	4.8	0.16		38.8F		0.41
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Tota K		Particle GV CS	Size	Analysis
m	%	%	mg/kg	%	%	%	Density Mg/m3	GV CS	%	Silt Clay
0 - 0.12										
0.1 - 0.2										
0.4 - 0.6										
0.6 - 0.65										
Depth	COLE	Gravimetric/Volumetric Water Contents						к	sat	K unsat

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

0 - 0.12 0.1 - 0.2 0.4 - 0.6 0.6 - 0.65

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Laboratory Analyses Completed for this profile

15F1_CA 15F1_CEC 15F1_K 15F1_MG 15F1_NA Exchangeable bases by 0.01M silver-thiourea (AgTU)+, no pretreatment for soluble salts Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts 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