Project Name: LOC

Project Code: LOC Site ID: B966 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.:
 152.375
 Runoff:
 No Data

 Easting/Lat.:
 -27.8069444444444
 Drainage:
 Well drained

<u>Geology</u>

ExposureType: No Data Conf. Sub. is Parent. Mat.: No Data

Geol. Ref.: No Data Substrate Material: Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:No DataPattern Type:Alluvial fanMorph. Type:Mid-slopeRelief:No DataElem. Type:No DataSlope Category:No DataSlope:6.6 %Aspect:No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:Mapping Unit:N/AN/APrincipal Profile Form:Gn4.15ASC Confidence:Great Soil Group:Brown earth

Confidence level not specified

Site Disturbance: Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A1 0 - 0.8 m Brown (7.5YR4/4-Moist); ; Sandy loam; Weak grade of structure, Subangular blocky; Moderately

moist; Weak consistence; Field pH 6 (pH meter); Gradual change to -

A2 0.8 - 1 m Yellowish red (5YR5/6-Moist); Reddish yellow (7.5YR7/6-Dry); ; Light clay (Light); Massive grade

of structure; Dry; Strong consistence; Field pH 8 (pH meter); Clear change to -

B21 1 - 1.6 m Yellowish red (5YR4/6-Moist); ; Light medium clay; Moderate grade of structure, 10-20 mm,

Angular blocky; Dry; Very strong consistence; Field pH 7.2 (pH meter);

Morphological Notes

Observation Notes

WAS LV 333:

Site Notes

LOCKYER

Project Name: LOC
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Laboratory Test Results:

<u>Laboratory rest Nesuris.</u>										
Depth	pН	1:5 EC		hangeable Mg	Cations K	Na E	xchangeable Acidity	CEC	ECEC	ESP
m		dS/m	, .	9		Cmol (+)				%
0 - 0.5	6.3A	0.14A	7.2J	1.1	0.88	0.1		10.6F		0.94
0.9 - 1 1 - 1.6	6.4A 5.8A	0.145A 0.093A	6.1J 11.6J	1.1 4.9	0.3 0.32	0.1 0.4		8.9F 19.7F		1.12 2.03
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Parti GV (cle Size	Analysis Silt Clay
m	%	%	mg/kg	%	%	%	Mg/m3	GV C	%	Silt Clay
0 - 0.5 0.9 - 1										
1 - 1.6										
Depth	COLE	Gravimetric/Volumetric W							K sat	K unsat
m		Sat.	0.05 Bar	0.1 Bar g/	0.5 Bar g - m3/m3	1 Bar 3	5 Bar 15 I		mm/h	mm/h
0 - 0.5 0.9 - 1										
1 - 1.6										

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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