Project Name: LOC
Project Code: LOC **Site ID:** B981 **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.: 152.333333333333
Easting/Lat.: -27.7411111111111
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: Mid-slope
Elem. Type: No Data
Slope: 19.8 %
Pattern Type: Mountains
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: Ug5.32
Great Soil Group: Black earth

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

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.42 m	Very dark brown (10YR2/2-Moist); ; Medium heavy clay; Strong grade of structure, 20-50 mm, Angular blocky; Strong grade of structure, 2-5 mm, Angular blocky; Moderately moist; Very firm consistence; 2-10%, coarse gravelly, 20-60mm, Basalt, coarse fragments; Field pH 7 (pH meter); Common
B2	0.42 - 0.65 m	Brown (10YR4/3-Moist); ; Medium heavy clay; Strong grade of structure, Lenticular; Strong grade of structure, Angular blocky; Moist; Very firm consistence; 2-10%, medium gravelly, 6-20mm, Basalt, coarse fragments; Few (2 - 10 %), Calcareous, , Nodules; Field pH 8.5 (pH meter); Clear change to -
BC	0.65 - 0.8 m	Yellowish brown (10YR5/6-Moist); ; Medium clay; Weak grade of structure, Angular blocky; Moderately moist; Very firm consistence; Common (10 - 20 %), Manganiferous, , Soft segregations; Field pH 8.5 (pH meter);

Morphological Notes

Observation Notes

WAS LV360: FORMED ON FAN SEDIMENTS FROM BASALT.

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 - 0.42	7.3A	0.244A	20.2J	19.5	0.07	0.8		42.8F		1.87
0.42 - 0.65	7.8A	0.348A	20.8J	27.5	0.13	2.5		51.9F		4.82
0.65 - 0.8	7.6A	0.275A	9.9J	13.7	0.1	1.7		26.8F		6.34

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 - 0.42												
0.42 - 0.65												
0.65 - 0.8												

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 - 0.42									
0.42 - 0.65									
0.65 - 0.8									

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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