Project Name: **LBV**
Project Code: **LBV** **Site ID:** **B16** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (QLD)**

Site Information

Desc. By: R. Hare
Date Desc.: 14/10/48
Map Ref.: Sheet No. : 8358 1:100000
Northing/Long.: 147.115277777778
Easting/Lat.: -19.8383333333333
Locality:
Elevation: 40 metres
Rainfall: 800
Runoff: Moderately rapid
Drainage: Moderately well drained

Geology

ExposureType: Soil pit
Geol. Ref.: Sdr
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: Auger boring, 1.8 m deep,Igneous rock (unidentified)

Land Form

Rel/Slope Class: Undulating rises 9-30m 3-10%
Morph. Type: No Data
Elem. Type: No Data
Slope: 0 %
Pattern Type: Rises
Relief: No Data
Slope Category: No Data
Aspect: No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
Bleached Eutrophic Grey Kandosol
ASC Confidence:
All necessary analytical data are available.
Mapping Unit: N/A
Principal Profile Form: Uc2.22
Great Soil Group: Yellow podzolic soil

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation:

Tall Strata - Tree, 3.01-6m, Sparse. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.23 m	Grey (10YR5/1-Moist); ; Coarse sand; Massive grade of structure; Dry; Very weak consistence; Field pH 6.3 (pH meter); Gradual change to -
A2	0.25 - 0.41 m	Grey (10YR6/1-Moist); ; Coarse sand; Massive grade of structure; Dry; Very weak consistence; Field pH 6.4 (pH meter); Gradual change to -
A2	0.41 - 0.56 m	Light grey (10YR7/2-Moist); ; Coarse sand; Massive grade of structure; Moderately moist; Very weak consistence; Field pH 6.4 (pH meter); Gradual change to -
A3	0.56 - 0.86 m	Very pale brown (10YR7/4-Moist); ; Clay loam, sandy; Massive grade of structure; Moderately moist; Very weak consistence; 0-2%, fine gravelly, 2-6mm, Substrate material, coarse fragments; Field pH 6.3 (pH meter); Gradual change to -
B1	0.86 - 1.42 m	Grey (10YR6/1-Moist); ; Clay loam, coarse sandy; Massive grade of structure; Moderately moist; Weak consistence; 2-10%, fine gravelly, 2-6mm, Substrate material, coarse fragments; Field pH 5.8 (pH meter); Gradual change to -
B1	1.42 - 1.68 m	Light grey (10YR7/1-Moist); ; Clay loam, coarse sandy; Massive grade of structure; Moderately moist; Weak consistence; 50-90%, fine gravelly, 2-6mm, Substrate material, coarse fragments; Gradual change to -
C	1.68 - 1.78 m	;

Morphological Notes

C Very light grey decomposing very coarse sandy rock:

Observation Notes

Site Notes

BURDEKIN VALLE

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity			
m		dS/m	Cmol (+)/kg							%
0 - 0.23	6.3H	0.006B								
0.25 - 0.41	6.4H	0.006B								
0.41 - 0.56	6.4H	0.006B								
0.56 - 0.86	6.3H	0.006B								
0.86 - 1.42	5.8H	0.008B								

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 - 0.23			2C	0.004F	0.024B				52C	38	8	3
0.25 - 0.41												
0.41 - 0.56									37C	46	8	8
0.56 - 0.86												
0.86 - 1.42									49C	24	8	19

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 - 0.23									
0.25 - 0.41									
0.41 - 0.56									
0.56 - 0.86									
0.86 - 1.42									

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Laboratory Analyses Completed for this profile

2_LOI	Loss on Ignition (%)
2A1	Air-dry moisture content
3_NR	Electrical conductivity or soluble salts - Not recorded
4_NR	pH of soil - Not recorded
5_NR	Water soluble Chloride - Cl(%) - Not recordede
7_NR	Total nitrogen (%) - Not recorded
9_NR	Available P (mg/kg) - Not recorded
9A_NR	Total element - P(%) - Not recorded
P10_NR_C	Clay (%) - Not recorded
P10_NR_CS	Coarse sand (%) - Not recorded
P10_NR_FS	Fine sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded