

Project Name: LBV
Project Code: LBV **Site ID:** B23 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	18/10/48	Elevation:	18 metres
Map Ref.:	Sheet No. : 8458 1:100000	Rainfall:	800
Northing/Long.:	147.585277777778	Runoff:	Moderately rapid
Easting/Lat.:	-19.836666666667	Drainage:	Moderately well drained

Geology

Exposure Type:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	PZG	Substrate Material:	Soil pit, 0.7 m deep, Slightly porous, Igneous rock (unidentified)

Land Form

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

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Eutrophic Red Chromosol		Principal Profile Form:	Dr2.22
ASC Confidence:		Great Soil Group:	Red-brown earth
All necessary analytical data are available.			

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

Vegetation: Low Strata - Tussock grass, , . *Species includes - None recorded
Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - None Recorded

Surface Coarse Fragments: 2-10%, cobbly, 60-200mm, ,

Profile Morphology

A11	0 - 0.08 m	Dark greyish brown (10YR4/2-Moist); ; Sandy loam; Massive grade of structure; Dry; 10-20%, fine gravelly, 2-6mm, coarse fragments; Field pH 6.6 (pH meter); Diffuse change to -
A12	0.08 - 0.25 m	Dark greyish brown (10YR4/2-Moist); ; Sandy clay loam; Weak grade of structure, 5-10 mm, Angular blocky; Dry; 10-20%, fine gravelly, 2-6mm, coarse fragments; Field pH 6.9 (pH meter); Clear change to -
B2	0.25 - 0.51 m	Reddish brown (2.5YR4/4-Moist); ; Heavy clay; Strong grade of structure, 10-20 mm, Angular blocky; Moist; 10-20%, fine gravelly, 2-6mm, coarse fragments; Field pH 7.4 (pH meter); Diffuse change to -
B3	0.51 - 0.66 m	Brown (7.5YR5/4-Moist); , 10YR76; , 5YR47; Light clay; Moderate grade of structure, 10-20 mm, Angular blocky; Moist; 10-20%, fine gravelly, 2-6mm, coarse fragments; Field pH 7.7 (pH meter); Diffuse change to -
C	0.71 - 1.52 m	Pinkish grey (7.5YR6/2-Moist); ; Loam; Massive grade of structure; Moist; Field pH 8.4 (pH meter);

Morphological Notes

Observation Notes

Site Notes

BURDEKIN VALLE

Observation ID: 1

Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Comol (+)/kg				%
0 - 0.08	6.6H	0.02B	10.6K	4.9	0.33	0.12	3.3D		19.3E	
0.08 - 0.25	6.9H	0.01B								
0.25 - 0.51	7.4H	0.02B	15.7K	11.3	0.16	0.32	4.5D		32E	
0.51 - 0.66	7.7H	0.01B								
0.71 - 1.52	8.4H	0.03B								

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.08		1.6E	20C	0.015F	0.1B				37C	36	12	15
0.08 - 0.25					0.07B				38C	36	8	15
0.25 - 0.51					0.06B				12C	19	16	50
0.51 - 0.66									17C	36	21	26
0.71 - 1.52	0.18C								24C	50	13	12

[illegible]

Project Name: LBV
Project Code: LBV **Site ID:** B23 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Laboratory Analyses Completed for this profile

15_NR	Sum of Ex. cations + Ex. acidity - Not recorded
15_NR_CA	Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded
15_NR_H	Hydrogen Cation - meq per 100g of soil - Not recorded
15_NR_K	Exch. basic cations (K++) - meq per 100g of soil - Not recorded
15_NR_MG	Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded
15_NR_NA	Exch. basic cations (Na++) - meq per 100g of soil - Not recorded
19B_NR	Calcium Carbonate (CaCO ₃) - Not recorded
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 recorded
6Z	Organic carbon (%) - Not recorded
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