

Project Name: LBV
Project Code: LBV **Site ID:** B66 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	26/10/50	Elevation:	73 metres
Map Ref.:	Sheet No. : 8358 1:100000	Rainfall:	850
Northing/Long.:	147.366666666667	Runoff:	Moderately rapid
Easting/Lat.:	-19.883333333333	Drainage:	Moderately well drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	SDR	Substrate Material:	Soil pit, 0.69 m deep, Non-porous, dense, Igneous rock (unidentified)

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	No Data	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, , Mid-dense. *Species includes - Phynchelytrum repens, Heteropogon contortus
Mid Strata - Shrub, , Very sparse. *Species includes - Eucalyptus polycarpa, Eucalyptus papuana
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus drepanophylla, Eucalyptus dichromophloia, Eucalyptus tessellaris

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Brown (7.5YR5/4-Dry); ; Sandy loam; Weak grade of structure, Polyhedral; Many (>5 per 0.01m2) Coarse (>5mm) macropores, Moist; Very weak consistence; 2-10%, fine gravelly, 2-6mm, angular, Substrate material, coarse fragments; Field pH 6.3 (pH meter); Gradual change to -
A2	0.1 - 0.2 m	Reddish brown (5YR4/4-Dry); ; Sandy clay loam (Light); Massive grade of structure; Many (>5 per 0.01m2) Coarse (>5mm) macropores, Moist; Weak consistence; 2-10%, fine gravelly, 2-6mm, angular, Substrate material, coarse fragments; Field pH 6.2 (pH meter); Clear, Irregular change to -
B21	0.2 - 0.43 m	Dark red (2.5YR3/5-Dry); ; Heavy clay; Moderate grade of structure, 10-20 mm, Angular blocky; Moist; Firm consistence; 2-10%, medium gravelly, 6-20mm, angular, Substrate material, coarse fragments; Field pH 6.6 (pH meter); Diffuse change to -
B22	0.43 - 0.61 m	Dark red (2.5YR3/6-Dry); ; Heavy clay; Moderate grade of structure, 10-20 mm, Angular blocky; Moist; Firm consistence; 2-10%, fine gravelly, 2-6mm, angular, Substrate material, coarse fragments; Field pH 7.1 (pH meter); Diffuse change to -
B3	0.61 - 0.69 m	Light reddish brown (5YR6/3-Dry); ; Clay loam; Weak grade of structure, 10-20 mm, Angular blocky; Moist; Weak consistence; 2-10%, medium gravelly, 6-20mm, angular, Substrate material, coarse fragments; Field pH 7.8 (pH meter); Diffuse change to -
C	0.69 - 1.22 m	Light yellowish brown (10YR6/4-Dry); ; Loam (Heavy); Massive grade of structure; Moist; Weak consistence; 10-20%, medium gravelly, 6-20mm, angular, Substrate material, coarse fragments;

Morphological Notes

Observation Notes

NO FREE CARBONATE IN THIS PROFILE

Site Notes

BURDEKIN VALLE

Observation ID: 1

[illegible]

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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_GRAV	Gravel (%)
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