

Project Name: LBV
Project Code: LBV **Site ID:** B21 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	15/10/48	Elevation:	41 metres
Map Ref.:	Sheet No. : 8357 1:100000	Rainfall:	800
Northing/Long.:	147.25	Runoff:	Moderately rapid
Easting/Lat.:	-20	Drainage:	Moderately well drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	CZA	Substrate Material:	Auger boring, 2.3 m deep,Porous, Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	Pattern Type:	Alluvial plain
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Levee	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Bleached Eutrophic Red Chromosol		Principal Profile Form:	Dr2.42
ASC Confidence:		Great Soil Group:	Red podzolic soil
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: No surface coarse fragments

Profile Morphology

A1	0 - 0.08 m	Grey (10YR5/1-Moist); ; Fine sandy loam; Massive grade of structure; Many (>5 per 0.01m2) Coarse (>5mm) macropores, Dry; Very weak consistence; Field pH 6.5 (pH meter); Clear change to -
A2	0.08 - 0.25 m	Light grey (10YR7/2-Moist); , 10YR63; Fine sandy loam; Massive grade of structure; Many (>5 per 0.01m2) Coarse (>5mm) macropores, Dry; Very weak consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Concretions; Field pH 6.7 (pH meter); Gradual change to -
A3	0.25 - 0.38 m	Light brownish grey (10YR6/2-Moist); , 10YR65; Fine sandy loam; Massive grade of structure; Many (>5 per 0.01m2) Coarse (>5mm) macropores, Dry; Weak consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Concretions; Field pH 6.6 (pH meter); Clear change to -
B21	0.38 - 0.51 m	Reddish brown (5YR4/4-Moist); ; Medium heavy clay; Moderate grade of structure, 10-20 mm, Angular blocky; Moderately moist; Very firm consistence; Field pH 6.7 (pH meter); Diffuse change to -
B22	0.53 - 0.99 m	Dark reddish brown (2.5YR3/4-Moist); ; Heavy clay; Moderate grade of structure, 10-20 mm, Angular blocky; Moderately moist; Very firm consistence; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Soft segregations; Field pH 7.2 (pH meter); Diffuse change to -
B31	0.99 - 1.22 m	Dark red (2.5YR3/6-Moist); ; Medium heavy clay; Moderate grade of structure, 10-20 mm, Angular blocky; Moist; Firm consistence; Field pH 8 (pH meter); Diffuse change to -
B32	1.22 - 1.68 m	Brown (7.5YR4/4-Moist); ; Light clay; Weak grade of structure, 20-50 mm, Angular blocky; Moist; Weak consistence; Field pH 8.5 (pH meter);

Morphological Notes

Observation Notes

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_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