

Project Name: LBV
Project Code: LBV **Site ID:** B14 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	13/10/48	Elevation:	20 metres
Map Ref.:	Sheet No. : 8358 1:100000	Rainfall:	800
Northing/Long.:	147.233333333333	Runoff:	Moderately rapid
Easting/Lat.:	-19.833333333333	Drainage:	Well drained

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Cza	Substrate Material:	Auger boring, 2 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:	2 metres
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-Mottled Mesotrophic Yellow Kandosol		Principal Profile Form:	Dy2.72
ASC Confidence:		Great Soil Group:	No suitable group
All necessary analytical data are available.			

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

Vegetation: Low Strata - Tussock grass, , Closed or dense. *Species includes - Heteropogon contortus
Mid Strata - Shrub, , . *Species includes - Planchonia careya
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.2 m	Greyish brown (10YR5/2-Moist); , Loamy fine sand; Massive grade of structure; Earthy fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Dry; Very weak consistence; Field pH 6.9 (pH meter); Many, fine (1-2mm) roots; Diffuse change to -
A2	0.2 - 0.36 m	Pale brown (10YR6/3-Moist); , 10YR51; Fine sand; Massive grade of structure; Earthy fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Dry; Very weak consistence; Field pH 6.8 (pH meter); Many, fine (1-2mm) roots; Diffuse change to -
A3	0.36 - 0.69 m	Light yellowish brown (10YR6/4-Moist); , 10YR51; Clayey fine sand; Massive grade of structure; Earthy fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Dry; Very weak consistence; Field pH 6.9 (pH meter); Common, fine (1-2mm) roots; Diffuse change to -
A3	0.69 - 1.04 m	Light yellowish brown (10YR6/4-Moist); , 10YR51; Fine sand; Massive grade of structure; Earthy fabric; Few (<1 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Very weak consistence; Field pH 6.9 (pH meter); Few, fine (1-2mm) roots; Clear change to -
B2	1.07 - 1.42 m	Brownish yellow (10YR6/6-Moist); , 7.5YR54; Fine sandy clay loam; Massive grade of structure; Earthy fabric; Moderately moist; Weak consistence; Field pH 6.8 (pH meter); Diffuse change to -
B3	1.42 - 1.68 m	Brownish yellow (10YR6/6-Moist); , 7.5YR54; Fine sand; Massive grade of structure; Moist; Very weak consistence; Field pH 6.9 (pH meter); Diffuse change to -
B3	1.68 - 2.13 m	Brownish yellow (10YR6/6-Moist); , 7.5YR54; Fine sand; Massive grade of structure; Moist; Very weak consistence; Field pH 7.2 (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
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