

Project Name: LBV
Project Code: LBV **Site ID:** B13 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	13/10/48	Elevation:	22 metres
Map Ref.:	Sheet No. : 8358 1:100000	Rainfall:	800
Northing/Long.:	147.229722222222	Runoff:	Slow
Easting/Lat.:	-19.8544444444445	Drainage:	Imperfectly drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Cza	Substrate Material:	Auger boring, 1.5 m deep, Slightly 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):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Eutrophic Mottled-Mesonatric Brown Sodosol		Principal Profile Form:	Dy2.33
ASC Confidence:		Great Soil Group:	Solodic soil

No analytical data are available but confidence is fair.

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

Vegetation:

Mid Strata - Shrub, 1.01-3m, . *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 - 0.05 m	Grey (10YR5/1-Moist); ; Loamy fine sand; Massive grade of structure; Dry; Very weak consistence; Field pH 6.3 (pH meter); Clear change to -
A21	0.08 - 0.2 m	Pale brown (10YR6/3-Moist); ; Fine sandy loam; Massive grade of structure; Dry; Very weak consistence; Field pH 6.2 (pH meter); Gradual change to -
A22	0.2 - 0.3 m	Grey (10YR6/1-Moist); , 10YR52, 2-10% , Faint; , 2-10% , Faint; Sand; Massive grade of structure; Moderately moist; Very weak consistence; Field pH 6.6 (pH meter); Gradual change to -
A23	0.3 - 0.46 m	Light brownish grey (10YR6/2-Moist); ; Loamy fine sand; Massive grade of structure; Moderately moist; Very weak consistence; Field pH 6.8 (pH meter); Clear change to -
B2	0.46 - 0.69 m	Yellowish brown (10YR5/4-Moist); , 10YR52, 10-20% , Distinct; , 10-20% , Distinct; Fine sandy medium clay; Weak grade of structure, 50-100 mm, Angular blocky; Moderately moist; Weak consistence; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Concretions; Field pH 7.4 (pH meter); Diffuse change to -
B2	0.69 - 0.89 m	Yellowish brown (10YR5/4-Moist); , 10YR52, 10-20% , Distinct; , 10-20% , Distinct; Fine sandy medium clay; Weak grade of structure, 50-100 mm, Angular blocky; Moist; Weak consistence; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Concretions; Field pH 8.5 (pH meter); Diffuse change to -
B2	0.89 - 1.22 m	Light yellowish brown (10YR6/4-Moist); , 2.5Y62, 10-20% , Distinct; , 10-20% , Distinct; Fine sandy medium clay; Weak grade of structure, 50-100 mm, Angular blocky; Moist; Weak consistence; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Concretions; Field pH 8.8 (pH meter); Diffuse change to -
B3	1.22 - 1.42 m	Greyish brown (2.5Y5/2-Moist); , 10YR66, 10-20% , Distinct; , 10-20% , Distinct; Fine sandy medium clay; Weak grade of structure, 50-100 mm, Angular blocky; Moist; Very weak consistence; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Concretions; Field pH 8.4 (pH meter); Diffuse change to -

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C 1.47 - 1.93 m Dark red (2.5YR3/6-Moist); , 10YR6/6, 10-20% , Distinct; , 10-20% , Distinct; Light medium clay; Massive grade of structure; Moist; Weak consistence; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Concretions; Field pH 8.6 (pH meter);

Morphological Notes

Observation Notes

Site Notes

BURDEKIN VALLE

Observation ID: 1

[illegible]

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Laboratory Analyses Completed for this profile

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
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