

Project Name: LBV
Project Code: LBV **Site ID:** B81 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	14/11/50	Elevation:	39 metres
Map Ref.:	Sheet No. : 8358 1:100000	Rainfall:	850
Northing/Long.:	147.283333333333	Runoff:	Slow
Easting/Lat.:	-20.066666666667	Drainage:	No Data

Geology

ExposureType:	Soil pit	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:	No Data	Pattern Type:	Alluvial plain
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Plain	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry): Cracking, Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Calcic Hypernatric Grey Sodosol		Principal Profile Form:	Dy2.43
ASC Confidence:		Great Soil Group:	Solodic soil
All necessary analytical data are available.			

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

Vegetation: Low Strata - Tussock grass, , Isolated clumps. *Species includes - Aristida leptopoda, Heteropogon contortus
Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - Eucalyptus papuana, Grevillea striata

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.15 m	Light grey (10YR7/2-Moist); ; Loam; Massive grade of structure; Dry; Very weak consistence; Field pH 6.4 (pH meter); Abrupt change to -
B21	0.15 - 0.3 m	Dark greyish brown (10YR4/2-Moist); ; Medium clay; Moderate grade of structure, 50-100 mm, Prismatic; Dry; Strong consistence; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; Field pH 7.1 (pH meter); Gradual change to -
B22	0.3 - 0.61 m	Dark greyish brown (10YR4/2-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Dry; Strong consistence; Few (2 - 10 %), Manganiferous, Fine (0 - 2 mm), Nodules; Few (2 - 10 %), Calcareous, Medium (2 - 6 mm), Nodules; Field pH 7.9 (pH meter); Gradual change to -
B31	0.61 - 1.02 m	Yellowish brown (10YR5/4-Moist); ; Light clay; Weak grade of structure, 20-50 mm, Angular blocky; Moist; Weak consistence; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; Few (2 - 10 %), Calcareous, Coarse (6 - 20 mm), Nodules; Field pH 9.3 (pH meter); Gradual change to -
B32	1.07 - 1.52 m	Yellowish brown (10YR5/4-Moist); ; Light clay; Weak grade of structure, 20-50 mm, Angular blocky; Moist; Weak consistence; 2-10%, medium gravelly, 6-20mm, subangular, Substrate material, coarse fragments; Few (2 - 10 %), Manganiferous, Fine (0 - 2 mm), Nodules; Very few (0 - 2 %), Calcareous, Coarse (6 - 20 mm), Nodules; Field pH 9.2 (pH meter); Gradual change to -
B3	1.52 - 1.88 m	Light brownish grey (10YR6/2-Moist); , 7.5YR66; Clay loam; Massive grade of structure; Moist; Very weak consistence; 10-20%, medium gravelly, 6-20mm, subangular, Substrate material, coarse fragments; Few (2 - 10 %), Manganiferous, Fine (0 - 2 mm), Nodules; Very few (0 - 2 %), Calcareous, Coarse (6 - 20 mm), Nodules; Field pH 9.5 (pH meter);

Morphological Notes

Observation Notes

0-15CM A1 + A2 HORIZON

Site Notes

BURDEKIN VALLE

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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