

Project Name: LBV
Project Code: LBV **Site ID:** B11 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	R. Hare	Locality:	
Date Desc.:	12/10/48	Elevation:	18 metres
Map Ref.:	Sheet No. : 8358 1:100000	Rainfall:	800
Northing/Long.:	147.213888888889	Runoff:	Very slow
Easting/Lat.:	-19.8236111111111	Drainage:	Poorly drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Cza	Substrate Material:	Auger boring, 3 m deep, Slightly porous, Clay

Land Form

Rel/Slope Class:	Level plain <9m <1%	Pattern Type:	Alluvial plain
Morph. Type:	Open depression (vale)	Relief:	No Data
Elem. Type:	Plain	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry): Cracking

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Epipedal Grey Vertosol		Principal Profile Form:	Ug5.24
ASC Confidence:		Great Soil Group:	Grey clay
All necessary analytical data are available.			

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

Vegetation:

Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.05 m	Grey (2.5Y6/1-Moist); ; Medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Dry; Very firm consistence; Field pH 5.9 (pH meter); Clear, Smooth change to -
B2	0.07 - 0.43 m	Dark grey (10YR4/1-Moist); ; Heavy clay; Moderate grade of structure, 100-200 mm, Angular blocky; Moderately moist; Strong consistence; Field pH 6.5 (pH meter); Diffuse change to -
B2	0.43 - 0.99 m	Very dark grey (10YR3/1-Moist); ; Heavy clay; Moderate grade of structure, 100-200 mm, Angular blocky; Moderately moist; Strong consistence; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; Field pH 7.3 (pH meter); Diffuse change to -
B2	1.12 - 1.52 m	Dark greyish brown (10YR4/2-Moist); ; Heavy clay; Moderate grade of structure, 100-200 mm, Angular blocky; Wet; Moderately plastic; Normal plasticity; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; Few (2 - 10 %), Calcareous, Coarse (6 - 20 mm), Nodules; Field pH 8 (pH meter); Diffuse change to -
B2	1.63 - 2.74 m	Light yellowish brown (10YR6/4-Moist); ; Heavy clay; Moderate grade of structure, 100-200 mm, Lenticular; Wet; Moderately plastic; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; Field pH 7.5 (pH meter);

Morphological Notes

Observation Notes

Site Notes

BURDEKIN VALLE

Observation ID: 1

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity		%
0 - 0.05	5.9H	0.02B	8.2K	9.6	0.77	0.52	10D		
0.07 - 0.43	6.5H	0.02B	11.6K	11.9	0.4	0.92	5.7D	29.1E	
0.43 - 0.99	7.3H	0.08B						30.5E	
1.12 - 1.52	8H	0.19B	12.3K	14.1	0.38	3.3	0.9D	30.2E	
1.63 - 2.74	7.5H	0.17B							

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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