

Project Name: LBV
Project Code: LBV **Site ID:** B91 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	C.H. Thompson	Locality:	
Date Desc.:	15/11/50	Elevation:	50 metres
Map Ref.:	Sheet No. : 8357 1:100000	Rainfall:	850
Northing/Long.:	147.4	Runoff:	No runoff
Easting/Lat.:	-20.0666666666667	Drainage:	Poorly drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	PLZ	Substrate Material:	Auger boring, 0.99 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:	Plain	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Endocalcareous Epipedal Grey Vertosol		Principal Profile Form:	Ug5.16
ASC Confidence:		Great Soil Group:	Black earth

No analytical data are available but confidence is fair.

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

Vegetation: Low Strata - Tussock grass, , . *Species includes - None recorded
Tall Strata - Tree, 3.01-6m, Very sparse. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.08 m	Grey (10YR6/1-Moist); ; Light clay; Moderate grade of structure, Angular blocky; Dry; Very firm consistence; Field pH 5.9 (pH meter); Sharp, Irregular change to -
B2	0.08 - 0.41 m	Dark grey (10YR4/1-Moist); ; Heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, subangular, Substrate material, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Field pH 6.2 (pH meter); Diffuse change to -
B2	0.41 - 0.74 m	Very dark grey (10YR3/1-Moist); ; Heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, subangular, Substrate material, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Field pH 7.5 (pH meter); Diffuse change to -
B2	0.74 - 0.99 m	Very dark grey (10YR3/1-Moist); ; Heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, subangular, Substrate material, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8.7 (pH meter); Diffuse change to -
C	0.99 - 1.37 m	Yellowish brown (10YR5/4-Moist); ; Sandy medium clay; Weak grade of structure, Angular blocky; Moderately moist; Firm consistence; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8.5 (pH meter); Diffuse change to -

Morphological Notes

Observation Notes

Site Notes

BURDEKIN VALLE

Observation ID: 1

Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				cmol (+)/kg				%
0 - 0.08	5.9H	0.04B								
0.08 - 0.41	6.2H	0.04B								
0.41 - 0.74	7.5H	0.1B								
0.74 - 0.99	8.7H	0.17B								
0.99 - 1.37	8.5H	0.1B								

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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
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