

Project Name: LBV
Project Code: LBV **Site ID:** B71 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	09/11/50	Elevation:	18 metres
Map Ref.:	Sheet No. : 8358 1:100000	Rainfall:	850
Northing/Long.:	147.266666666667	Runoff:	Slow
Easting/Lat.:	-19.833333333333	Drainage:	Imperfectly drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	CZS	Substrate Material:	Auger boring, 3 m deep, Slightly porous, Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:	Level plain <9m <1%	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

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Endocalcareous Epipedal Black 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, 6.01-12m, Isolated plants. *Species includes - Eucalyptus tessellaris

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

AB	0 - 0.18 m	Very dark grey (10YR3/1-Moist); ; Heavy clay; Moderate grade of structure, 5-10 mm, Granular; Extremely coarse, (50 - 100) mm crack; Dry; Very firm consistence; Field pH 7 (pH meter); Gradual change to -
B2	0.18 - 0.56 m	Very dark grey (10YR3/1-Moist); ; Heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderate grade of structure, Lenticular; Wet; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; Very few (0 - 2 %), Calcareous, Coarse (6 - 20 mm), Nodules; Field pH 8 (pH meter); Diffuse change to -
B2	0.56 - 1.17 m	Very dark grey (10YR3/1-Moist); ; Heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderate grade of structure, Lenticular; Wet; Very few (0 - 2 %), Calcareous, Coarse (6 - 20 mm), Nodules; Field pH 8.6 (pH meter); Diffuse change to -
B2	1.17 - 1.57 m	Dark grey (10YR4/1-Moist); , 2.5Y52; Heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderate grade of structure, Lenticular; Wet; Very few (0 - 2 %), Calcareous, Coarse (6 - 20 mm), Nodules; Field pH 8.4 (pH meter); Diffuse change to -
B2	1.63 - 2.13 m	Greyish brown (2.5Y5/3-Moist); ; Medium heavy clay; Weak grade of structure, 20-50 mm, Angular blocky; Moist; Firm consistence; Very few (0 - 2 %), Calcareous, Coarse (6 - 20 mm), Nodules; Field pH 8 (pH meter);

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 - 0.18	7H	0.016B								
0.18 - 0.56	8H	0.027B								
0.56 - 1.17	8.6H	0.076B								
1.17 - 1.57	8.4H	0.205B								
1.63 - 2.13	8H	0.317B								

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Laboratory Analyses Completed for this profile

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