

Project Name: LBV
Project Code: LBV **Site ID:** B58 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	C.H. Thompson	Locality:	
Date Desc.:	19/10/50	Elevation:	30 metres
Map Ref.:	Sheet No. : 8458 1:100000	Rainfall:	1000
Northing/Long.:	147.533333333333	Runoff:	No runoff
Easting/Lat.:	-19.85	Drainage:	Poorly drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	CZS	Substrate Material:	Auger boring, 2 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): Self-mulching

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Epicalcareous Self-Mulching 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, 0.51-1m, Closed or dense. *Species includes - Ophiurous exaltatus

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

AB	0 - 0.13 m	Very dark grey (10YR3/1-Moist); ; Heavy clay; Moderate grade of structure, 2-5 mm, Granular; Dry; Weak consistence; 0-2%, medium gravelly, 6-20mm, rounded, Substrate material, coarse fragments; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8.6 (pH meter); Gradual change to -
B2	0.13 - 0.48 m	Very dark greyish brown (10YR3/2-Moist); ; Heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moist; Firm consistence; 0-2%, medium gravelly, 6-20mm, rounded, Substrate material, coarse fragments; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8.9 (pH meter); Gradual change to -
B2	0.48 - 1.02 m	Dark greyish brown (2.5Y4/2-Moist); ; Heavy clay; Moderate grade of structure, 20-50 mm, Lenticular; Moist; Firm consistence; 0-2%, medium gravelly, 6-20mm, rounded, Substrate material, coarse fragments; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 9 (pH meter); Gradual change to -
B2	1.37 - 1.52 m	Dark greyish brown (2.5Y4/2-Moist); ; Heavy clay; Moderate grade of structure, 50-100 mm, Lenticular; Moist; Firm consistence; 0-2%, medium gravelly, 6-20mm, rounded, Substrate material, coarse fragments; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8.7 (pH meter); Gradual change to -
B2	1.52 - 1.83 m	Olive brown (2.5Y4/4-Moist); ; Heavy clay; Moderate grade of structure, 50-100 mm, Lenticular; Moist; Firm consistence; 0-2%, medium gravelly, 6-20mm, rounded, Substrate material, coarse fragments; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Nodules;

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 - 0.13	8.6H	0.04B								
0.13 - 0.48	8.9H	0.06B								
0.48 - 1.02	9H	0.09B								
1.52 - 1.83	8.7H	0.4B								

[illegible][illegible]

Project Name: LBV
Project Code: LBV Site ID: B58 Observation ID: 1
Agency Name: CSIRO Division of Soils (QLD)

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