

Project Name: LBV
Project Code: LBV **Site ID:** B86 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	16/11/50	Elevation:	55 metres
Map Ref.:	Sheet No. : 8358 1:100000	Rainfall:	850
Northing/Long.:	147.383333333333	Runoff:	Slow
Easting/Lat.:	-19.9666666666667	Drainage:	Imperfectly drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	SDR	Substrate Material:	Auger boring, 1.7 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): Hardsetting, Trampled

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Calcic Subnatric Black Sodosol		Principal Profile Form:	Dd1.43
ASC Confidence:		Great Soil Group:	Solodic soil

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, , Sparse. *Species includes - Heteropogon contortus, Aristida leptopoda
Mid Strata - Shrub, , Very sparse. *Species includes - Acacia farnesiana
Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - Eucalyptus papuana

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Light grey (10YR7/1-Moist); ; Silty loam; Massive grade of structure; Weak grade of structure, Platy; Dry; Weak consistence; Field pH 6.2 (pH meter); Sharp change to -
B21	0.1 - 0.23 m	Very dark grey (10YR3/1-Moist); ; Heavy clay; Moderate grade of structure, 50-100 mm, Prismatic; Moderate grade of structure, Angular blocky; Dry; Strong consistence; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; Field pH 6.3 (pH meter); Gradual change to -
B22	0.23 - 0.46 m	Very dark grey (10YR3/1-Moist); ; Heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moist; Firm consistence; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; Field pH 7.7 (pH meter); Diffuse change to -
B3	0.51 - 0.76 m	Dark greyish brown (10YR4/2-Moist); ; Light clay; Weak grade of structure, Angular blocky; Moist; Firm consistence; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8.9 (pH meter); Diffuse change to -
B3	0.76 - 1.12 m	Dark greyish brown (10YR4/2-Moist); ; Clay loam; Weak grade of structure, Angular blocky; Moist; Weak consistence; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8.9 (pH meter); Diffuse change to -
C	1.68 - 1.75 m	Reddish brown (5YR4/4-Moist); ; Sandy clay loam; Massive grade of structure; Moist; Weak consistence; Field pH 9 (pH meter);

Morphological Notes

Observation Notes

0-10CM A1 + A2 HORIZON

Site Notes

BURDEKIN VALLE

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[illegible]

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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
9_NR	Available P (mg/kg) - Not recorded