

Project Name: LBV
Project Code: LBV **Site ID:** B94 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	C.H. Thompson	Locality:	
Date Desc.:	15/11/50	Elevation:	45 metres
Map Ref.:	Sheet No. : 8357 1:100000	Rainfall:	850
Northing/Long.:	147.366666666667	Runoff:	Slow
Easting/Lat.:	-20.05	Drainage:	Imperfectly drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	PLZ	Substrate Material:	Auger boring, 1.3 m deep,Porous, Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:	No Data	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

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Calcic Hypernatric Brown Sodosol		Principal Profile Form:	Dy2.33
ASC Confidence:		Great Soil Group:	Solonetz

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, , Very sparse. *Species includes - None recorded
Tall Strata - Tree, 3.01-6m, Sparse. *Species includes - Eremophila mitchellii, Bassia species, Eucalyptus

papua

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.08 m	Light yellowish brown (10YR6/4-Moist); ; Sandy loam; Massive grade of structure; Dry; Very weak consistence; Field pH 6.3 (pH meter); Sharp, Wavy change to -
B21	0.08 - 0.25 m	Light olive brown (2.5Y5/4-Moist); ; Light medium clay; Weak grade of structure, Prismatic; Moderate grade of structure, 20-50 mm, Angular blocky; Moderately moist; Firm consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Field pH 7.8 (pH meter); Diffuse change to -
B2	0.25 - 0.41 m	Greyish brown (2.5Y5/2-Moist); ; Light medium clay; Moderate grade of structure, Angular blocky; Moderately moist; Firm consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Calcareous, Coarse (6 - 20 mm), Nodules; Field pH 9.5 (pH meter); Diffuse change to -
B23	0.41 - 0.66 m	Greyish brown (2.5Y5/2-Moist); ; Light clay; Moderate grade of structure, Angular blocky; Moderately moist; Firm consistence; Few (2 - 10 %), Calcareous, Coarse (6 - 20 mm), Nodules; Field pH 9.7 (pH meter); Diffuse change to -
B3	0.66 - 1.22 m	Light brownish grey (2.5Y6/2-Moist); ; Light clay (Light); Weak grade of structure, Angular blocky; Moderately moist; Firm consistence; Very few (0 - 2 %), Calcareous, Coarse (6 - 20 mm), Nodules; Field pH 9.4 (pH meter); Diffuse change to -
C	1.3 - 1.78 m	Light brownish grey (2.5Y6/2-Moist); ; Clay loam (Heavy); Massive grade of structure; Moderately moist; Weak consistence; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8.8 (pH meter);

Morphological Notes

Observation Notes

Site Notes

BURDEKIN VALLE

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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	6.3H	0.025B								
0.08 - 0.25	7.8H	0.166B								
0.25 - 0.41	9.5H	0.275B								
0.41 - 0.66	9.7H	0.285B								
0.66 - 1.22	9.4H	0.259B								
1.3 - 1.78	8.8H	0.193B								

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Laboratory Analyses Completed for this profile

3_NR	Electrical conductivity or soluble salts - Not recorded
4_NR	pH of soil - Not recorded
5_NR	Water soluble Chloride - Cl(%) - Not recorded