

Project Name: LBV
Project Code: LBV **Site ID:** B63 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	C.H. Thompson	Locality:	
Date Desc.:	26/10/50	Elevation:	18 metres
Map Ref.:	Sheet No. : 8358 1:100000	Rainfall:	850
Northing/Long.:	147.416666666667	Runoff:	No runoff
Easting/Lat.:	-19.783333333333	Drainage:	Poorly drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	CZS	Substrate Material:	Soil pit, 1.2 m deep,Porous, Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Fan	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Hypocalcic Mottled-Mesonatric Grey Sodosol		Principal Profile Form:	Dy3.42
ASC Confidence:		Great Soil Group:	Solodized 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, , Mid-dense. *Species includes - Heteropogon contortus
Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - Eucalyptus papuana, Grevillea striata

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.13 m	Greyish brown (10YR5/2-Moist); ; Clay loam; Massive grade of structure; Dry; Weak consistence; 0-2%, medium gravelly, 6-20mm, subangular, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Field pH 6.3 (pH meter); Clear change to -
A2	0.13 - 0.2 m	Light grey (10YR7/1-Moist); ; Light clay (Light); Weak grade of structure, Angular blocky; Dry; Weak consistence; 2-10%, medium gravelly, 6-20mm, subangular, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; Field pH 6.5 (pH meter); Sharp, Irregular change to -
B21	0.2 - 0.53 m	Dark grey (10YR4/1-Moist); , 7.5YR66; Heavy clay; Moderate grade of structure, 50-100 mm, Columnar; Moderately moist; Very firm consistence; 0-2%, medium gravelly, 6-20mm, subangular, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; Field pH 7.1 (pH meter); Gradual change to -
B22	0.53 - 0.69 m	Dark grey (10YR4/1-Moist); , 2.5Y42; Heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moist; Firm consistence; 0-2%, medium gravelly, 6-20mm, subangular, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 7.8 (pH meter);

Morphological Notes

Observation Notes

SURFACE THICKNESS VARIES FROM 20-30CM

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	6.3H	0.03B								
0.13 - 0.2	6.5H	0.02B								
0.2 - 0.53	7.1H	0.04B								
0.53 - 0.69	7.8H	0.06B								

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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