

Project Name: LBV
Project Code: LBV **Site ID:** B95 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	C.H. Thompson	Locality:	
Date Desc.:	16/11/50	Elevation:	45 metres
Map Ref.:	Sheet No. : 8357 1:100000	Rainfall:	850
Northing/Long.:	147.333333333333	Runoff:	Slow
Easting/Lat.:	-20.0333333333333	Drainage:	Poorly drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	CZS	Substrate Material:	Auger boring, 1.5 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:	0 degrees

Surface Soil Condition (dry): Cracking

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Hypocalcic Mottled-Hypernatric Grey Sodosol		Principal Profile Form:	Dy5.43
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 - None recorded
Mid Strata - Shrub, , Isolated plants. *Species includes - None recorded
Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.13 m	Greyish brown (10YR5/2-Moist); ; Loamy coarse sand; Massive grade of structure; Moderately moist; Very weak consistence; 2-10%, fine gravelly, 2-6mm, subangular, Substrate material, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Field pH 6.3 (pH meter); Clear change to -
A21	0.13 - 0.25 m	Light brownish grey (10YR6/2-Moist); ; Coarse sand; Massive grade of structure; Moderately moist; Very weak consistence; 2-10%, fine gravelly, 2-6mm, subangular, Substrate material, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Field pH 6.2 (pH meter); Gradual change to -
A22	0.25 - 0.48 m	Light grey (10YR7/2-Moist); ; Coarse sand; Massive grade of structure; Moderately moist; Very weak consistence; 0-2%, fine gravelly, 2-6mm, subangular, Substrate material, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; Field pH 6.8 (pH meter); Abrupt change to -
B21	0.48 - 0.71 m	Grey (10YR5/1-Moist); , 10YR66; Sandy medium clay; Moderate grade of structure, Columnar; Moderately moist; Strong consistence; 2-10%, fine gravelly, 2-6mm, subangular, Substrate material, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; Field pH 8.2 (pH meter); Gradual change to -
B22	0.71 - 0.94 m	Greyish brown (10YR5/2-Moist); , 10YR66; Medium clay; Weak grade of structure, Angular blocky; Wet; Very plastic; 2-10%, fine gravelly, 2-6mm, subangular, Substrate material, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Field pH 8.6 (pH meter); Gradual change to -
B3	0.94 - 1.45 m	Grey (10YR6/1-Moist); , 10YR68; Sandy medium clay (Light); Massive grade of structure; Wet; 2-10%, fine gravelly, 2-6mm, subangular, Substrate material, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Calcareous, Coarse (6 - 20 mm), Nodules; Field pH 8.7 (pH meter);

Morphological Notes

Observation Notes

Project Name: LBV
Project Code: LBV **Site ID:** B95 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

BURDEKIN VALLE

Site Notes

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	0.01B								
0.13 - 0.25	6.2H	0.01B								
0.25 - 0.48	6.8H	0.013B								
0.48 - 0.71	8.3H	0.088B								
0.71 - 0.94	8.6H	0.208B								
0.94 - 1.45	8.7H	0.176B								

[illegible][illegible]

Project Name: LBV
Project Code: LBV **Site ID:** B95 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

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