

Project Name: LBV
Project Code: LBV **Site ID:** B93 **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.:	147.4	Runoff:	Slow
Easting/Lat.:	-20.0666666666667	Drainage:	Imperfectly drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	PLZ	Substrate Material:	Soil pit, 0.74 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
Eutrophic Mottled-Mesonatric Grey Sodosol		Principal Profile Form:	Dy3.43
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, , Closed or dense. *Species includes - Heteropogon contortus
Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.05 m	Grey (10YR6/1-Moist); ; Sandy loam; Massive grade of structure; Dry; Very weak consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Field pH 6.4 (pH meter); Clear change to -
A2	0.05 - 0.25 m	Light grey (10YR7/2-Moist); ; Sandy loam; Massive grade of structure; Dry; Very weak consistence; 0-2%, medium gravelly, 6-20mm, subangular, Substrate material, coarse fragments; Common (10 - 20 %), Manganiferous, Medium (2 -6 mm), Nodules; Field pH 7 (pH meter); Abrupt, Smooth change to -
B21	0.25 - 0.36 m	Pale brown (10YR6/3-Moist); , 10YR76; Medium heavy clay; Moderate grade of structure, 100-200 mm, Prismatic; Moderate grade of structure, 20-50 mm, Angular blocky; Dry; Strong consistence; 2-10%, medium gravelly, 6-20mm, subangular, Substrate material, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Field pH 6.4 (pH meter); Gradual change to -
B22	0.36 - 0.74 m	Yellowish brown (10YR5/6-Moist); , 2.5Y53; Medium clay; Moderate grade of structure, 100-200 mm, Prismatic; Moderate grade of structure, 20-50 mm, Angular blocky; Dry; Strong consistence; 2-10%, medium gravelly, 6-20mm, subangular, Substrate material, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Field pH 7.5 (pH meter); Diffuse change to -
C	0.74 - 1.35 m	Greyish brown (2.5Y5/3-Moist); ; Clayey coarse sand; Massive grade of structure; Moist; Very weak consistence; 10-20%, medium gravelly, 6-20mm, subangular, Substrate material, coarse fragments; Very few (0 - 2 %), Manganiferous, , Nodules; Field pH 8.6 (pH meter);

Morphological Notes

Observation Notes

Site Notes

BURDEKIN VALLE

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[illegible]

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Laboratory Analyses Completed for this profile

19B_NR	Calcium Carbonate (CaCO ₃) - Not recorded
2_LOI	Loss on Ignition (%)
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
6Z	Organic carbon (%) - Not recorded
7_NR	Total nitrogen (%) - Not recorded
9_NR	Available P (mg/kg) - Not recorded
9A_NR	Total element - P(%) - Not recorded
P10_GRAV	Gravel (%)
P10_NR_C	Clay (%) - Not recorded
P10_NR_CS	Coarse sand (%) - Not recorded
P10_NR_FS	Fine sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded