

Project Name: LBV
Project Code: LBV **Site ID:** B64 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	26/10/50	Elevation:	18 metres
Map Ref.:	Sheet No. : 8358 1:100000	Rainfall:	850
Northing/Long.:	147.45	Runoff:	Slow
Easting/Lat.:	-19.7666666666667	Drainage:	Imperfectly drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	PZG	Substrate Material:	Auger boring, 1.5 m deep, Non-porous, dense, Igneous rock (unidentified)

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Rises
Morph. Type:	Lower-slope	Relief:	No Data
Elem. Type:	Hillslope	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 Subnatric Yellow Sodosol		Principal Profile Form:	Dy3.43
ASC Confidence:		Great Soil Group:	Solodic soil
All necessary analytical data are available.			

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation: Low Strata - Tussock grass, , Isolated clumps. *Species includes - Chloris species, Heteropogon contortus
Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.18 m	Light brownish grey (10YR6/2-Moist); ; Sand; Massive grade of structure; Dry; Very weak consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Field pH 5.8 (pH meter); Gradual change to -
A2	0.18 - 0.43 m	Light brownish grey (10YR6/2-Moist); ; Loamy sand; Massive grade of structure; Dry; Very weak consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Field pH 6.1 (pH meter); Gradual change to -
B1	0.43 - 0.53 m	Very pale brown (10YR7/4-Moist); , 10YR64; Clay loam, sandy; Massive grade of structure; Moderately moist; Weak consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Field pH 6 (pH meter); Clear, Irregular change to -
B21	0.53 - 0.91 m	Brownish yellow (10YR6/6-Moist); , 10YR71; Heavy clay; Moderate grade of structure, 10-20 mm, Angular blocky; Moderately moist; Very firm consistence; 2-10%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Soft segregations; Field pH 6.8 (pH meter); Gradual change to -
B22	0.91 - 1.12 m	Brownish yellow (10YR6/6-Moist); , 5Y61; Heavy clay; Weak grade of structure, 20-50 mm, Angular blocky; Moderately moist; Very firm consistence; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; Field pH 8 (pH meter); Gradual change to -
B3	1.12 - 1.37 m	Brownish yellow (10YR6/6-Moist); , 5Y61; Sandy medium clay; Massive grade of structure; Moist; Weak consistence; Common (10 - 20 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 9.4 (pH meter); Gradual change to -
D	1.45 - 2.03 m	Light grey (2.5Y7/2-Moist); , 5Y61; , 5Y63; Heavy clay; Massive grade of structure; Moist; Firm consistence; , , , Soft segregations; Common (10 - 20 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 9.7 (pH meter);

Morphological Notes

Observation Notes

Site Notes

BURDEKIN VALLE

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Laboratory Analyses Completed for this profile

15_NR	Sum of Ex. cations + Ex. acidity - Not recorded
15_NR_CA	Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded
15_NR_H	Hydrogen Cation - meq per 100g of soil - Not recorded
15_NR_K	Exch. basic cations (K++) - meq per 100g of soil - Not recorded
15_NR_MG	Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded
15_NR_NA	Exch. basic cations (Na++) - meq per 100g of soil - Not recorded
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