

Project Name: LBV
Project Code: LBV **Site ID:** B97 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	C.H. Thompson	Locality:	
Date Desc.:	16/11/50	Elevation:	67 metres
Map Ref.:	Sheet No. : 8358 1:100000	Rainfall:	850
Northing/Long.:	147.366666666667	Runoff:	Moderately rapid
Easting/Lat.:	-19.95	Drainage:	Well drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	SDR	Substrate Material:	Auger boring, 1 m deep, Non-porous, dense, Igneous rock (unidentified)

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Plain
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Pediment	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Basic Lithic Bleached Tenosol		Principal Profile Form:	Uc4.21
ASC Confidence:		Great Soil Group:	Yellow podzolic soil
All necessary analytical data are available.			

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

Vegetation: Low Strata - Tussock grass, , Mid-dense. *Species includes - Heteropogon contortus, Heteropogon triticeus
Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - None Recorded

Surface Coarse Fragments: 2-10%, medium gravelly, 6-20mm, rounded, Substrate material

Profile Morphology

A1	0 - 0.08 m	Greyish brown (10YR5/2-Moist); ; Loamy sand; Massive grade of structure; Dry; Weak consistence; 2-10%, medium gravelly, 6-20mm, rounded, Substrate material, coarse fragments; Field pH 6.8 (pH meter); Gradual change to -
A2	0.08 - 0.18 m	Brown (10YR5/3-Moist); ; Sand; Massive grade of structure; Moderately moist; Very weak consistence; 2-10%, medium gravelly, 6-20mm, rounded, Substrate material, coarse fragments; Field pH 6.7 (pH meter); Gradual change to -
B21	0.18 - 0.3 m	Strong brown (7.5YR5/6-Moist); ; Clayey sand; Massive grade of structure; Moderately moist; Very weak consistence; 2-10%, medium gravelly, 6-20mm, rounded, Substrate material, coarse fragments; Field pH 6.6 (pH meter); Diffuse change to -
B22	0.3 - 0.71 m	Strong brown (7.5YR5/6-Moist); ; Loamy fine sand; Massive grade of structure; Moderately moist; Very weak consistence; 20-50%, coarse gravelly, 20-60mm, rounded, Substrate material, coarse fragments; Field pH 6.6 (pH meter);

Morphological Notes

Observation Notes

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 - 0.08	6.8H	0.015B								
0.08 - 0.18	6.7H	0.015B								
0.18 - 0.3	6.7H	0.011B								
0.3 - 0.71	6.6H	0.012B								

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.08			7C	0.009F	0.049B			6	41C	46	3	9
0.08 - 0.18								8	39C	48	9	6
0.18 - 0.3								7	37C	49	2	11
0.3 - 0.71								27	37C	46	3	13

[illegible]

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Laboratory Analyses Completed for this profile

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
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