

Project Name: LBV
Project Code: LBV **Site ID:** B55 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	10/10/50	Elevation:	55 metres
Map Ref.:	Sheet No. : 8358 1:100000	Rainfall:	750
Northing/Long.:	147.383333333333	Runoff:	Moderately rapid
Easting/Lat.:	-19.9	Drainage:	Well drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	SDR	Substrate Material:	Soil pit, 0.36 m deep,Slightly porous, Limestone

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): Soft

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Melanic Epic-Pedal Hypercalcic Calcarosol		Principal Profile Form:	Um6.21
ASC Confidence:		Great Soil Group:	Rendzina
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
Mid Strata - Shrub, , . *Species includes - Planchonia careya, Brachychiton rupestre
Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - None Recorded

Surface Coarse Fragments: 20-50%, cobbly, 60-200mm, subangular, Limestone

Profile Morphology

A11	0 - 0.15 m	Black (10YR2/1-Moist); ; Clay loam; Moderate grade of structure, 2-5 mm, Granular; Moist; Weak consistence; 0-2%, coarse gravelly, 20-60mm, subangular, undisturbed, Substrate material, coarse fragments; Field pH 7.2 (pH meter); Gradual change to -
AC	0.18 - 0.36 m	Very dark brown (10YR2/2-Moist); ; Clay loam; Moderate grade of structure, 2-5 mm, Granular; Moist; Weak consistence; 2-10%, coarse gravelly, 20-60mm, subangular, undisturbed, Substrate material, coarse fragments; Many (20 - 50 %), Calcareous, , Soft segregations; Field pH 8.6 (pH meter); Gradual change to -
C	0.36 - 0.61 m	White (10YR8/2-Moist); ; Clay loam (Light); Massive grade of structure; Moist; Weak consistence; 20-50%, coarse gravelly, 20-60mm, subangular, undisturbed, Substrate material, coarse fragments; Very many (50 - 100 %), Calcareous, Coarse (6 - 20 mm), Soft segregations; Field pH 9.1 (pH meter); Gradual change to -
C	0.61 - 0.91 m ;	

Morphological Notes

C Weathered limestone

Observation Notes

Site Notes

BURDEKIN VALLE

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Laboratory Test Results:

Depth m	pH	1:5 EC dS/m	Ca	Exchangeable Mg	Cations K	Na Cmol (+)/kg	Exchangeable Acidity	CEC	ECEC	ESP %
0 - 0.15	7.2H	0.02B	29.3K	4.2	0.69	0.05	3.4D		37.6E	
0.18 - 0.36	8.6H	0.05B								
0.61 - 0.91	9.1H	0.04B								

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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