Project Name: LBV
Project Code: LBV **Site ID:** B99 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By: C.H. Thompson
Date Desc.: 17/11/50
Map Ref.: Sheet No. : 8358 1:100000
Northing/Long.: 147.25
Easting/Lat.: -19.8666666666667
Locality:
Elevation: No Data
Rainfall: 850
Runoff: Slow
Drainage: Well drained

Geology

ExposureType: Soil pit
Geol. Ref.: CZS
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: Auger boring, 0.8 m deep,Porous, Gravel

Land Form

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

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
Bleached-Mottled Eutrophic Grey Kandosol
ASC Confidence:
No analytical data are available but confidence is fair.
Mapping Unit: N/A
Principal Profile Form: Uc2.22
Great Soil Group: Earthy sand

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

Vegetation: Low Strata - Tussock grass, , Mid-dense. *Species includes - None recorded

Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.08 m	Light brownish grey (10YR6/2-Moist); ; Loamy fine sand; Massive grade of structure; Moist; Very weak consistence; 0-2%, medium gravelly, 6-20mm, subrounded, Substrate material, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Field pH 6.3 (pH meter); Clear change to -
A2	0.08 - 0.25 m	Light grey (10YR7/2-Moist); ; Fine sand; Massive grade of structure; Moist; Very weak consistence; 2-10%, medium gravelly, 6-20mm, subrounded, Substrate material, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Field pH 6.4 (pH meter); Gradual change to -
B1	0.25 - 0.43 m	Pale brown (10YR6/3-Moist); , 10YR72; Clay loam, sandy; Massive grade of structure; Moist; Weak consistence; 20-50%, coarse gravelly, 20-60mm, subrounded, Substrate material, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Field pH 6.6 (pH meter); Diffuse change to -
B2	0.43 - 0.76 m	Pale brown (10YR6/3-Moist); , 10YR62; Clay loam, sandy; Massive grade of structure; Moist; Weak consistence; 20-50%, coarse gravelly, 20-60mm, subrounded, Substrate material, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Field pH 6.7 (pH meter);

Morphological Notes

Observation Notes

Site Notes

BURDEKIN VALLE

Project Name: LBV
Project Code: LBV **Site ID:** B99 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity			
m		dS/m	Cmol (+)/kg							%
0 - 0.08	6.3H	0.02B								
0.08 - 0.25	6.4H	0.01B								
0.25 - 0.43	6.6H	0.01B								
0.43 - 0.76	6.7H	0.02B								

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.08			4C	0.006F	0.07B				16C	50	23	8
0.08 - 0.25								3	16C	46	29	7
0.25 - 0.43												
0.43 - 0.76												

Depth	COLE	Gravimetric/Volumetric Water Contents						K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar	
m		g/g - m3/m3						mm/h	mm/h
0 - 0.08									
0.08 - 0.25									
0.25 - 0.43									
0.43 - 0.76									

Project Name: **LBV**
Project Code: **LBV** **Site ID:** **B99** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (QLD)**

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 recordede
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