

Project Name: LBV
Project Code: LBV **Site ID:** B50 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	07/09/50	Elevation:	78 metres
Map Ref.:	Sheet No. : 8357 1:100000	Rainfall:	750
Northing/Long.:	147.333333333333	Runoff:	Moderately rapid
Easting/Lat.:	-20.283333333333	Drainage:	Moderately well drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	CUI	Substrate Material:	Soil pit, 1.2 m deep,Igneous rock (unidentified)

Land Form

Rel/Slope Class:	Gently undulating rises 9-30m 1-3%	Pattern Type:	Rises
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Footslope	Slope Category:	No Data
Slope:	4 %	Aspect:	No Data

Surface Soil Condition (dry): Loose

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Calcic Mottled-Mesonatric Grey Sodosol		Principal Profile Form:	Dy5.83
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, , Mid-dense. *Species includes - Heteropogon contortus
Mid Strata - Shrub, , Very sparse. *Species includes - Acacia farnesiana
Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.09 m	Dark greyish brown (10YR4/2-Moist); ; Loamy coarse sand; Massive grade of structure; Many (>5 per 0.01m2) Coarse (>5mm) macropores, Moist; Very weak consistence; 2-10%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments; Field pH 6.2 (pH meter); Gradual change to -
A21	0.09 - 0.18 m	Light yellowish brown (10YR6/4-Moist); ; Coarse sand; Massive grade of structure; Many (>5 per 0.01m2) Coarse (>5mm) macropores, Moist; Very weak consistence; 10-20%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments; Field pH 6.8 (pH meter); Gradual change to -
A22	0.18 - 0.3 m	Brownish yellow (10YR6/8-Moist); ; Coarse sand; Massive grade of structure; Many (>5 per 0.01m2) Coarse (>5mm) macropores, Moist; Very weak consistence; 20-50%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments; Field pH 7.1 (pH meter); Abrupt, Smooth change to -
B21	0.3 - 0.46 m	Grey (10YR6/1-Moist); , 10YR66; Heavy clay; Weak grade of structure, 50-100 mm, Prismatic; Moderate grade of structure, Angular blocky; Moist; Firm consistence; 10-20%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments; Field pH 7.5 (pH meter); Gradual change to -
B22	0.46 - 0.76 m	Light grey (10YR7/2-Moist); ; Heavy clay; Weak grade of structure, 20-50 mm, Angular blocky; Moist; Firm consistence; 2-10%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments; Field pH 8.3 (pH meter); Gradual change to -
BC	0.76 - 0.84 m	Pinkish grey (5YR7/2-Moist); ; Light clay; Massive grade of structure; Moist; Very weak consistence; 0-2%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments; Few (2 - 10 %), Calcareous, Coarse (6 - 20 mm), Nodules; Gradual change to -
C	0.84 - 1.14 m	;

Morphological Notes

C Predominantly pink weathered granitic rock

Observation Notes

Site Notes

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BURDEKIN VALLE

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[illegible]

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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
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