

Project Name: LBV
Project Code: LBV **Site ID:** B47 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	C.H. Thompson	Locality:	
Date Desc.:	07/09/50	Elevation:	41 metres
Map Ref.:	Sheet No. : 8357 1:100000	Rainfall:	750
Northing/Long.:	147.3	Runoff:	Slow
Easting/Lat.:	-20.0333333333333	Drainage:	Imperfectly drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	CZA	Substrate Material:	Auger boring, 2 m deep,Porous, Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	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): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Calcic Mesonatric Black Sodosol		Principal Profile Form:	Dd1.43
ASC Confidence:		Great Soil Group:	Solodized solonetz

No analytical data are available but confidence is fair.

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, Very sparse. *Species includes - Eucalyptus papuana, Eucalyptus tessellaris

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.08 m	Greyish brown (10YR5/2-Moist); ; Loam; Weak grade of structure, Platy; Massive grade of structure; Dry; Weak consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Concretions; Field pH 6.8 (pH meter); Clear change to -
A2	0.08 - 0.13 m	Pale brown (10YR6/3-Moist); ; Fine sandy loam; Massive grade of structure; Dry; Weak consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Concretions; Field pH 7.2 (pH meter); Abrupt, Irregular change to -
B21	0.15 - 0.36 m	Very dark grey (10YR3/1-Moist); ; Heavy clay; Strong grade of structure, Prismatic; Moist; Very firm consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Concretions; Field pH 7.9 (pH meter); Gradual change to -
B22	0.36 - 0.48 m	Very dark grey (10YR3/1-Moist); ; Heavy clay; Strong grade of structure, Prismatic; Moist; Very firm consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Concretions; Field pH 8.7 (pH meter); Gradual change to -
B23	0.51 - 0.69 m	Dark greyish brown (10YR4/2-Moist); ; Medium clay; Moderate grade of structure, Angular blocky; Moist; Very firm consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Concretions; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 9.3 (pH meter); Gradual change to -
B3	0.71 - 1.17 m	Brown (10YR5/3-Moist); ; Light clay; Weak grade of structure, Angular blocky; Moist; Firm consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Concretions; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 9.4 (pH meter); Gradual change to -
B3	1.42 - 1.92 m	Light yellowish brown (10YR6/4-Moist); ; Clay loam (Heavy); Massive grade of structure; Moist; Weak consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Concretions; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 9.1 (pH meter);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Analyses Completed for this profile

3_NR	Electrical conductivity or soluble salts - Not recorded
4_NR	pH of soil - Not recorded
5_NR	Water soluble Chloride - Cl(%) - Not recorded
9_NR	Available P (mg/kg) - Not recorded
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