

Project Name: LBV
Project Code: LBV **Site ID:** B119 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	3 miles north of Oakey
Date Desc.:	14/12/50	Elevation:	411 metres
Map Ref.:	Sheet No. : 9143 1:100000	Rainfall:	700
Northing/Long.:	151.733333333333	Runoff:	Moderately rapid
Easting/Lat.:	-27.4	Drainage:	Moderately well drained

Geology

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

Land Form

Rel/Slope Class:	Level plain <9m <1%	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 Subnatric Red Sodosol		Principal Profile Form:	Dr2.13
ASC Confidence:		Great Soil Group:	Red-brown earth
All necessary analytical data are available.			

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

Vegetation:

Tall Strata - Tree, , Sparse. *Species includes - Eucalyptus populnea

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.08 m	Reddish brown (5YR4/3-Moist); ; Sandy loam; Massive grade of structure; Dry; Weak consistence; Field pH 6.7 (pH meter); Clear change to -
A12	0.08 - 0.19 m	Reddish brown (5YR4/3-Moist); ; Loam; Massive grade of structure; Dry; Weak consistence; Field pH 6.8 (pH meter); Abrupt change to -
B21	0.2 - 0.46 m	Dark reddish brown (2.5YR3/3-Moist); ; Heavy clay; Moderate grade of structure, 50-100 mm, Prismatic; Strong grade of structure, 20-50 mm, Angular blocky; Moderately moist; Very firm consistence; Field pH 8.1 (pH meter); Gradual change to -
B22	0.46 - 0.56 m	Dark reddish brown (5YR3/3-Moist); ; Heavy clay; Moderate grade of structure, Angular blocky; Moderately moist; Very firm consistence; Few (2 - 10 %), Calcareous, , Soft segregations; Field pH 9.4 (pH meter); Diffuse change to -
B3	0.56 - 0.86 m	Reddish brown (5YR4/4-Moist); ; Light medium clay; Weak grade of structure, Angular blocky; Moist; Weak consistence; Common (10 - 20 %), Calcareous, , Soft segregations; Field pH 9.2 (pH meter); Diffuse change to -
B3	0.86 - 1.52 m	Reddish brown (5YR4/4-Moist); ; Medium clay; Weak grade of structure, Angular blocky; Moist; Weak consistence; Common (10 - 20 %), Calcareous, Coarse (6 - 20 mm), Concretions; Field pH 9.1 (pH meter); Diffuse change to -
B3	1.52 - 2.08 m	Reddish brown (5YR4/4-Moist); ; 7.5YR44; Medium clay; Weak grade of structure, Angular blocky; Moist; Weak consistence; Few (2 - 10 %), Calcareous, Very coarse (20 - 60 mm), Concretions; Field pH 9 (pH meter);

Morphological Notes

Observation Notes

Site Notes

OAKEY

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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_CEC	CEC - 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
7_NR	Total nitrogen (%) - 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