

Project Name: LBV
Project Code: LBV **Site ID:** B122 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	C.H. Thompson	Locality:	
Date Desc.:	01/07/51	Elevation:	30 metres
Map Ref.:	Sheet No. : 9443 1:100000	Rainfall:	810
Northing/Long.:	152.966666666667	Runoff:	Slow
Easting/Lat.:	-27.3	Drainage:	Moderately well drained

Geology

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

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Low hills
Morph. Type:	Crest	Relief:	15 metres
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Mesotrophic Red Chromosol		Principal Profile Form:	Gn3.14
ASC Confidence:		Great Soil Group:	Red podzolic soil
All necessary analytical data are available.			

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

Vegetation: Low Strata - Tussock grass, , . *Species includes - Imperata cylindrica, Heteropogon contortus
Mid Strata - Shrub, , Very sparse. *Species includes - Bassia species, Acacia species
Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus crebra

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.09 m	Dark greyish brown (10YR4/2-Dry); ; Loam; Strong grade of structure, Granular; Dry; Very weak consistence; Field pH 5.7 (pH meter); Abundant, fine (1-2mm) roots; Clear change to -
A12	0.09 - 0.16 m	Brown (7.5YR4/3-Dry); ; Clay loam; Weak grade of structure, Subangular blocky; Moist; Weak consistence; 0-2%, medium gravelly, 6-20mm, coarse fragments; Field pH 5.8 (pH meter); Abundant, fine (1-2mm) roots; Clear change to -
A3	0.16 - 0.25 m	Yellowish red (5YR5/8-Dry); ; Clay loam (Heavy); Massive grade of structure; Moist; Weak consistence; Field pH 5.9 (pH meter); Clear change to -
B1	0.25 - 0.33 m	Yellowish red (5YR5/8-Dry); ; Light clay; Massive grade of structure; Moist; Firm consistence; Field pH 5.9 (pH meter); Gradual change to -
B21	0.33 - 0.76 m	Yellowish red (5YR5/8-Dry); ; Medium clay; Moderate grade of structure, 5-10 mm, Angular blocky; Moist; Firm consistence; Field pH 6 (pH meter); Gradual change to -
B22	0.76 - 1.3 m	Dark red (2.5YR3/8-Moist); ; Medium clay (Heavy); Moderate grade of structure, 5-10 mm, Angular blocky; Moist; Firm consistence; 0-2%, medium gravelly, 6-20mm, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, , Concretions; Field pH 5.8 (pH meter); Diffuse change to -
B31	1.3 - 1.73 m	Yellowish red (5YR4/7-Moist); ; Medium clay (Heavy); Weak grade of structure, Angular blocky; Moist; Firm consistence; 0-2%, medium gravelly, 6-20mm, rounded, Quartz, coarse fragments; Field pH 5.4 (pH meter); Diffuse change to -
B32	1.73 - 2.29 m	Yellowish red (5YR4/7-Moist); ; Medium heavy clay; Weak grade of structure, Angular blocky; Moist; Firm consistence; 10-20%, medium gravelly, 6-20mm, rounded, Quartz, coarse fragments; Field pH 5.4 (pH meter);

Morphological Notes

Observation Notes

Site Notes

STRATHPINE

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0 - 0.09
0.09 - 0.16
0.16 - 0.25
0.25 - 0.33
0.33 - 0.76
0.76 - 1.3
1.3 - 1.73
1.73 - 2.29

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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