

Project Name: LBV
Project Code: LBV **Site ID:** B120 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	20.35 miles west of Rolleston on main road to Springsure
Date Desc.:	01/06/50	Elevation:	256 metres
Map Ref.:	Sheet No. : 8549 1:100000	Rainfall:	700
Northing/Long.:	148.333333333333	Runoff:	Moderately rapid
Easting/Lat.:	-24.3	Drainage:	Moderately well drained

Geology

Exposure Type:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Cza	Substrate Material:	Auger boring, 0.91 m deep, Porous, Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Eutrophic Red Chromosol		Principal Profile Form:	Dr2.22
ASC Confidence:		Great Soil Group:	Red-brown earth

No analytical data are available but confidence is fair.

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

Vegetation:

Mid Strata - Shrub, , . *Species includes - Hakea species

Tall Strata - Tree, , Sparse. *Species includes - Eucalyptus drepanophylla, Eucalyptus dichromophloia

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.13 m	Brown (7.5YR4/2-Moist); ; Sandy loam; Massive grade of structure; Dry; Firm consistence; Field pH 6.6 (pH meter); Gradual change to -
A2	0.13 - 0.25 m	Light brown (7.5YR6/4-Moist); ; Sandy loam; Massive grade of structure; Dry; Firm consistence; Field pH 6 (pH meter); Sharp change to -
B21	0.25 - 0.61 m	Red (2.5YR5/6-Moist); ; Heavy clay; Moderate grade of structure, Angular blocky; Moist; Very firm consistence; Field pH 6.6 (pH meter); Diffuse change to -
B22	0.61 - 0.76 m	Red (2.5YR5/6-Moist); ; Heavy clay; Weak grade of structure, Angular blocky; Moist; Very firm consistence; Field pH 7.8 (pH meter); Diffuse change to -
C	0.91 - 1.14 m	Light yellowish brown (10YR6/4-Moist); ; Sandy medium clay; Massive grade of structure; Moderately moist; Firm consistence; Many (20 - 50 %), Calcareous, , Soft segregations; Field pH 8.8 (pH meter);

Morphological Notes

Observation Notes

Site Notes

ROLLESTON

Observation ID: 1

Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				cmol (+)/kg				%
0 - 0.13	6.6H	0.01B					2.41D			
0.13 - 0.25	6H	0.006B					2.92D			
0.25 - 0.61	6.6H	0.012B					5.14D			
0.61 - 0.76	7.8H	0.018B								
0.91 - 1.14	8.9H	0.045B								

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Laboratory Analyses Completed for this profile

15_NR_H	Hydrogen Cation - 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
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