

Project Name: LBV
Project Code: LBV **Site ID:** B85 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

| | | | |
|------------------------|------------------------------|-------------------|----------------|
| Desc. By: | G.D. Hubble | Locality: | |
| Date Desc.: | 15/11/50 | Elevation: | 45 metres |
| Map Ref.: | Sheet No. : 8357 1:100000 | Rainfall: | 800 |
| Northing/Long.: | 147.35 | Runoff: | Slow |
| Easting/Lat.: | -20 | Drainage: | Poorly drained |

Geology

| | | | |
|-----------------------|----------|------------------------------------|--|
| Exposure Type: | Soil pit | Conf. Sub. is Parent. Mat.: | No Data |
| Geol. Ref.: | CZS | Substrate Material: | Auger boring, 3 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, Trampled

Erosion:

Soil Classification

| | | | |
|---|--|--------------------------------|-------------|
| Australian Soil Classification: | | Mapping Unit: | N/A |
| Episodic Epipedal Black Vertosol | | Principal Profile Form: | Ug5.4 |
| ASC Confidence: | | Great Soil Group: | Black earth |
| Analytical data are incomplete but reasonable confidence. | | | |

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

Vegetation: Low Strata - Tussock grass, , Sparse. *Species includes - None recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

| | | |
|----|---------------|---|
| A1 | 0 - 0.28 m | Very dark grey (10YR3/1-Moist); ; Heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Dry; Very strong consistence; Field pH 8 (pH meter); Gradual change to - |
| B2 | 0.28 - 0.58 m | Very dark grey (10YR3/1-Moist); ; Heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderately moist; Very firm consistence; Few (2 - 10 %), Gypseous, Fine (0 - 2 mm), Crystals; Field pH 7.4 (pH meter); Gradual change to - |
| B2 | 0.58 - 0.74 m | Very dark grey (10YR3/1-Moist); , 10YR52; Heavy clay; Moderate grade of structure, Lenticular; Moderate grade of structure, 50-100 mm, Angular blocky; Moist; Firm consistence; 0-2%, medium gravelly, 6-20mm, subangular, Quartz, coarse fragments; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Few (2 - 10 %), Gypseous, Fine (0 - 2 mm), Crystals; Field pH 7.6 (pH meter); Gradual change to - |
| B3 | 0.74 - 1.04 m | Greyish brown (10YR5/2-Moist); ; Heavy clay; Moderate grade of structure, Lenticular; Moist; Firm consistence; 0-2%, medium gravelly, 6-20mm, subangular, Quartz, coarse fragments; Field pH 8 (pH meter); Gradual change to - |
| B3 | 1.04 - 1.45 m | Greyish brown (10YR5/2-Moist); ; Heavy clay; Moderate grade of structure, Lenticular; Moist; Firm consistence; 0-2%, medium gravelly, 6-20mm, subangular, Quartz, coarse fragments; Field pH 8.1 (pH meter); Gradual change to - |
| B3 | 1.45 - 1.98 m | Greyish brown (10YR5/2-Moist); ; Heavy clay; Moderate grade of structure, Lenticular; Moist; Firm consistence; 0-2%, medium gravelly, 6-20mm, subangular, Quartz, coarse fragments; Field pH 8 (pH meter); Gradual change to - |

Morphological Notes

Observation Notes

104-198CM HIGHLY POLISHED SHEAR FACES

Site Notes

BURDEKIN VALLE

Observation ID: 1

[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 |
| 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_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 |