

**Project Name:** LBV  
**Project Code:** LBV      **Site ID:** B15      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (QLD)

**Site Information**

|                        |                           |                   |                         |
|------------------------|---------------------------|-------------------|-------------------------|
| <b>Desc. By:</b>       | G.D. Hubble               | <b>Locality:</b>  |                         |
| <b>Date Desc.:</b>     | 13/10/48                  | <b>Elevation:</b> | 19 metres               |
| <b>Map Ref.:</b>       | Sheet No. : 8358 1:100000 | <b>Rainfall:</b>  | 800                     |
| <b>Northing/Long.:</b> | 147.230555555556          | <b>Runoff:</b>    | Slow                    |
| <b>Easting/Lat.:</b>   | -19.784722222222          | <b>Drainage:</b>  | Moderately well drained |

**Geology**

|                      |          |                                    |  |
|----------------------|----------|------------------------------------|--|
| <b>ExposureType:</b> | Soil pit | <b>Conf. Sub. is Parent. Mat.:</b> | No Data  |
| <b>Geol. Ref.:</b>   | Cza      | <b>Substrate Material:</b>         | Auger boring, 2 m deep, Porous, Unconsolidated material (unidentified) |

**Land Form**

|                         |                                   |                        |                |
|-------------------------|-----------------------------------|------------------------|----------------|
| <b>Rel/Slope Class:</b> | Gently undulating plains <9m 1-3% | <b>Pattern Type:</b>   | Alluvial plain |
| <b>Morph. Type:</b>     | No Data                           | <b>Relief:</b>         | No Data        |
| <b>Elem. Type:</b>      | Levee                             | <b>Slope Category:</b> | No Data        |
| <b>Slope:</b>           | 0 %                               | <b>Aspect:</b>         | No Data        |

**Surface Soil Condition (dry):** Hardsetting

**Erosion:**

**Soil Classification**

|  |  |                                |                   |
|--|--|--------------------------------|-------------------|
| <b>Australian Soil Classification:</b>       |  | <b>Mapping Unit:</b>           | N/A               |
| Bleached-Mottled Eutrophic Brown Kandosol    |  | <b>Principal Profile Form:</b> | Gn2.25            |
| <b>ASC Confidence:</b>                       |  | <b>Great Soil Group:</b>       | No suitable group |
| All necessary analytical data are available. |  |                                |                   |

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

**Vegetation:**

Tall Strata - Tree, 6.01-12m, Very sparse. \*Species includes - None Recorded

**Surface Coarse Fragments:** No surface coarse fragments

**Profile Morphology**

|     |               |   |
|-----|---------------|---|
| A1  | 0 - 0.07 m    | Dark grey (10YR4/1-Moist); ; Fine sandy loam; Massive grade of structure; Dry; Weak consistence; Field pH 6.7 (pH meter); Clear change to -   |
| A21 | 0.07 - 0.2 m  | Greyish brown (10YR5/2-Moist); ; Fine sandy loam; Massive grade of structure; Dry; Weak consistence; Field pH 6.8 (pH meter); Gradual change to -   |
| A22 | 0.2 - 0.33 m  | Greyish brown (2.5Y5/2-Moist); , 10YR52; Fine sandy clay loam; Massive grade of structure; Moist; Very weak consistence; Field pH 6.7 (pH meter); Diffuse change to -                     |
| B21 | 0.33 - 0.48 m | Dark greyish brown (2.5Y4/3-Moist); , 10YR64; Fine sandy medium clay; Weak grade of structure, Angular blocky; Moist; Very weak consistence; Field pH 6.8 (pH meter); Diffuse change to - |
| B22 | 0.48 - 0.76 m | Dark greyish brown (2.5Y4/2-Moist); , 10YR64; Fine sandy medium clay; Weak grade of structure, Angular blocky; Moist; Very weak consistence; Field pH 7.3 (pH meter); Diffuse change to - |
| B3  | 0.76 - 1.22 m | Greyish brown (2.5Y5/2-Moist); , 10YR66; Fine sandy medium clay; Massive grade of structure; Moist; Very weak consistence; Field pH 8.2 (pH meter); Diffuse change to -                   |
| B3  | 1.22 - 1.37 m | Greyish brown (10YR5/2-Moist); , 10YR66; Fine sandy medium clay; Massive grade of structure; Moist; Very weak consistence; Field pH 8.3 (pH meter); Diffuse change to -                   |
| B3  | 1.37 - 1.83 m | Brown (7.5YR5/4-Moist); ; Light clay; Massive grade of structure; Moist; Very weak consistence; Field pH 8.4 (pH meter);  |

**Morphological Notes**

**Observation Notes**

**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 <sub>3</sub> ) - 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                                |
| 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  |