

Project Name: TBL
Project Code: TBL **Site ID:** B814 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

| | | | |
|------------------------|---------------------------|-------------------|-------------------------|
| Desc. By: | B. Slater | Locality: | |
| Date Desc.: | 19/02/87 | Elevation: | No Data |
| Map Ref.: | Sheet No. : 8943 1:100000 | Rainfall: | 0 |
| Northing/Long.: | 150.466666666667 | Runoff: | Moderately rapid |
| Easting/Lat.: | -27.383333333333 | Drainage: | Moderately well drained |

Geology

| | | | |
|----------------------|--------------|------------------------------------|---------|
| ExposureType: | Auger boring | Conf. Sub. is Parent. Mat.: | No Data |
| Geol. Ref.: | Qs | Substrate Material: | No Data |

Land Form

| | | | |
|-------------------------|---------------------|------------------------|---------|
| Rel/Slope Class: | Level plain <9m <1% | Pattern Type: | Plain |
| Morph. Type: | Flat | Relief: | No Data |
| Elem. Type: | Plain | Slope Category: | Level |
| Slope: | 0 % | Aspect: | No Data |

Surface Soil Condition (dry): Self-mulching, Cracking

Erosion:

Soil Classification

| | | | |
|--|--|--------------------------------|--------|
| Australian Soil Classification: | | Mapping Unit: | N/A |
| Epicalcareous-Endohypersodic Self-Mulching Grey Vertosol | | Principal Profile Form: | UG5.24 |

ASC Confidence:

All necessary analytical data are available.

Great Soil Group:

Grey clay

Site Disturbance: Limited clearing, for example selective logging

Vegetation:

Mid Strata - , , . *Species includes - None recorded

Tall Strata - Tree, 12.01-20m, Mid-dense. *Species includes - Casuarina cristata, Acacia harpophylla

Surface Coarse Fragments:

Profile Morphology

| | | |
|------|---------------|--|
| A11 | 0 - 0.04 m | Dark greyish brown (10YR4/2-Moist); Light grey (10YR7/1-Dry); ; Light clay; Strong grade of structure, 2-5 mm, Granular; Strong grade of structure, <2 mm, Granular; Smooth-ped fabric; Dry; Strong consistence; Field pH 7.3 (pH meter); Abrupt change to - |
| A12 | 0.04 - 0.1 m | Dark greyish brown (10YR4/2-Moist); ; 7.5YR44, 2-10% , 5-15mm, Distinct; , 2-10% , 5-15mm, Distinct; Medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Strong grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Dry; Very strong consistence; Abrupt change to - |
| B21 | 0.1 - 0.2 m | Dark greyish brown (10YR4/2-Moist); ; Heavy clay; Moderate grade of structure, 50-100 mm, Angular blocky; Moderate grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Dry; Very strong consistence; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Soft segregations; Clear change to - |
| B22k | 0.2 - 0.3 m | Dark greyish brown (10YR4/2-Moist); ; Medium heavy clay; Moderate grade of structure, Lenticular; Smooth-ped fabric; Dry; Very strong consistence; Few (2 - 10 %), Calcareous, Fine (0 - 2 mm), Soft segregations; Field pH 8.8 (pH meter); Gradual change to - |
| B23k | 0.3 - 0.38 m | Dark greyish brown (10YR4/2-Moist); ; Heavy clay; Moderate grade of structure, Lenticular; Smooth-ped fabric; Dry; Very strong consistence; Few (2 - 10 %), Calcareous, Fine (0 - 2 mm), Nodules; Gradual change to - |
| B24k | 0.38 - 0.52 m | Greyish brown (10YR5/2-Moist); ; Heavy clay; Moderate grade of structure, Lenticular; Smooth-ped fabric; Dry; Very strong consistence; Few (2 - 10 %), Calcareous, Fine (0 - 2 mm), Soft segregations; Gradual change to - |
| B25k | 0.52 - 0.6 m | Light brownish grey (2.5Y6/2-Moist); ; Heavy clay; Moderate grade of structure, Lenticular; Smooth-ped fabric; Dry; Very strong consistence; Few (2 - 10 %), Calcareous, Fine (0 - 2 mm), Soft segregations; Field pH 9 (pH meter); Gradual change to - |
| B26k | 0.6 - 0.72 m | Light brownish grey (2.5Y6/2-Moist); ; Heavy clay; Moderate grade of structure, Lenticular; Smooth-ped fabric; Dry; Very strong consistence; Few (2 - 10 %), Calcareous, Fine (0 - 2 mm), Nodules; Gradual change to - |

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| | | |
|------|--------------|--|
| B27k | 0.72 - 0.9 m | Light brownish grey (2.5Y6/2-Moist); ; Heavy clay; Moderate grade of structure, Lenticular; Smooth-ped fabric; Dry; Very strong consistence; Field pH 8 (pH meter); Gradual change to - |
| B28 | 0.9 - 1.2 m | Light brownish grey (2.5Y6/2-Moist); ; Heavy clay; Moderate grade of structure, Lenticular; Smooth-ped fabric; Dry; Very strong consistence; Field pH 6.5 (pH meter); Gradual change to - |
| B29 | 1.2 - 1.5 m | Greyish brown (10YR5/2-Moist); ; Heavy clay; Moderate grade of structure, 50-100 mm, Lenticular; Smooth-ped fabric; Dry; Very strong consistence; Field pH 6 (pH meter); Gradual change to - |
| | 1.5 - 1.8 m | Greyish brown (10YR5/2-Moist); ; Heavy clay; Moderate grade of structure, 50-100 mm, Lenticular; Smooth-ped fabric; Very strong consistence; Gradual change to - |

Morphological Notes

Observation Notes

FRAGILE CRUST. FINE SAND SEPARATION ON SURFACE; FINE SAND VISIBLE IN PROFILE. LAYERS RENUMBERED 8-10-92

Site Notes

TARA

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[illegible]

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Laboratory Analyses Completed for this profile

| | |
|-----------|---|
| 10A_NR | Total element - S(%) - 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 |
| 17A_NR | Total element - K(%) - Not recorded |
| 19B_NR | Calcium Carbonate (CaCO ₃) - Not recorded |
| 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 |
| 6A1 | Organic carbon - Walkley and Black |
| 7_NR | Total nitrogen (%) - Not recorded |
| 9A_NR | Total element - P(%) - Not recorded |
| 9G_BSES | Available P (mg/kg) - Acid P - 0.005M H ₂ SO ₄ (BSES) |
| 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 |