

**Project Name:** TBL  
**Project Code:** TBL      **Site ID:** B816      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (QLD)

**Site Information**

<b>Desc. By:</b>	B. Slater	<b>Locality:</b>	
<b>Date Desc.:</b>	19/02/87	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8943    1:100000	<b>Rainfall:</b>	0
<b>Northing/Long.:</b>	150.466666666667	<b>Runoff:</b>	Very slow
<b>Easting/Lat.:</b>	-27.383333333333	<b>Drainage:</b>	Imperfectly drained

**Geology**

<b>ExposureType:</b>	Auger boring	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	Qs	<b>Substrate Material:</b>	No Data

**Land Form**

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

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

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Epihypersodic-Endoacidic Epipedal Grey Vertosol		<b>Principal Profile Form:</b>	Ug5.24
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Grey clay

All necessary analytical data are available.

**Site Disturbance:**    Limited clearing, for example selective logging

**Vegetation:**    Low Strata - Tussock grass, 0.26-0.5m, Mid-dense. \*Species includes - Leptochloa ciliolata

**Surface Coarse Fragments:**

**Profile Morphology**

0 - 0.05 m	Dark greyish brown (10YR4/2-Moist); Light brownish grey (10YR6/2-Dry); ; Medium clay; Strong grade of structure, 5-10 mm, Angular blocky; Strong grade of structure, 2-5 mm, Granular; Smooth-ped fabric; Firm consistence; Field pH 6.2 (pH meter); Clear change to -
0.05 - 0.1 m	Dark greyish brown (10YR4/2-Moist); ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderate grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Very firm consistence; Clear change to -
0.1 - 0.2 m	Dark greyish brown (10YR4/2-Moist); ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderate grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Strong consistence; Gradual change to -
0.2 - 0.3 m	Greyish brown (10YR5/2-Moist); ; Medium heavy clay; Moderate grade of structure, 50-100 mm, Lenticular; Smooth-ped fabric; Very strong consistence; Field pH 8.8 (pH meter); Gradual change to -
0.3 - 0.6 m	Greyish brown (10YR5/2-Moist); ; Medium heavy clay; Moderate grade of structure, 50-100 mm, Lenticular; Smooth-ped fabric; Very strong consistence; Field pH 8 (pH meter); Gradual change to -
0.6 - 0.68 m	Greyish brown (10YR5/2-Moist); ; Medium heavy clay; Moderate grade of structure, 50-100 mm, Lenticular; Smooth-ped fabric; Very strong consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Gradual change to -
0.74 - 0.9 m	Greyish brown (10YR5/2-Moist); ; 5YR46, 2-10% , 0-5mm, Faint; , 2-10% , 0-5mm, Faint; Medium heavy clay; Moderate grade of structure, 50-100 mm, Lenticular; Smooth-ped fabric; Very strong consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Nodules; Field pH 7.8 (pH meter); Gradual change to -
0.9 - 1.2 m	Greyish brown (10YR5/2-Moist); ; 5YR66, 2-10% , 0-5mm, Faint; , 2-10% , 0-5mm, Faint; Medium heavy clay; Moderate grade of structure, 50-100 mm, Lenticular; Smooth-ped fabric; Very strong consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Soft segregations; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 7 (pH meter); Gradual change to -

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1.2 - 1.5 m	Greyish brown (10YR5/2-Moist); ; Medium heavy clay; Moderate grade of structure, 50-100 mm, Prismatic; Smooth-ped fabric; Very strong consistence; Common (10 - 20 %), Manganiferous, Coarse (6 - 20 mm), Soft segregations; Field pH 6.8 (pH meter); Gradual change to -
1.5 - 1.8 m	Greyish brown (10YR5/2-Moist); ; Medium heavy clay; Moderate grade of structure, 50-100 mm, Prismatic; Smooth-ped fabric; Very strong consistence;

**Morphological Notes**

**Observation Notes**

FINE SAND POCKETS IN LOWER B. THIN FRAGILE CRUST. COARSER STRUCTURE THAN SHELF.

**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 <sub>3</sub> ) - 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 <sub>2</sub> SO <sub>4</sub> (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