

**Project Name:** TBL  
**Project Code:** TBL      **Site ID:** B830      **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>	25/02/87	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8943    1:100000	<b>Rainfall:</b>	0
<b>Northing/Long.:</b>	150.216666666667	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	-27.466666666667	<b>Drainage:</b>	Moderately well 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, Surface crust

**Erosion:** Moderate (sheet)

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Epihypersodic-Endoacidic Epipedal Grey Vertosol		<b>Principal Profile Form:</b>	Ug5.5
<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 - , , . \*Species includes - Sclerolaena tetracuspis  
Tall Strata - Tree, 6.01-12m, Mid-dense. \*Species includes - Acacia harpophylla

**Surface Coarse Fragments:** 0-2%, medium gravelly, 6-20mm, subrounded, Substrate material

**Profile Morphology**

A11	0 - 0.04 m	Brown (7.5YR4/2-Moist); Pinkish grey (7.5YR7/2-Dry); ; Medium heavy clay; Weak grade of structure, 5-10 mm, Angular blocky; Weak grade of structure, 2-5 mm, Granular; Dry; Weak consistence; Field pH 6 (pH meter); Clear change to -
A12	0.04 - 0.1 m	Brown (7.5YR4/2-Moist); ; Heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderate grade of structure, 10-20 mm, Angular blocky; Moderately moist; Firm consistence; Clear change to -
B21	0.1 - 0.2 m	Brown (7.5YR4/2-Moist); ; Heavy clay; Moderate grade of structure, 20-50 mm, Lenticular; Moderate grade of structure, 10-20 mm, Lenticular; Smooth-ped fabric; Dry; Very strong consistence; Gradual change to -
B22	0.2 - 0.3 m	Brown (7.5YR4/2-Moist); ; Heavy clay; Moderate grade of structure, 50-100 mm; Moderate grade of structure, 20-50 mm, Lenticular; Smooth-ped fabric; Dry; Very strong consistence; Field pH 7 (pH meter); Gradual change to -
B23	0.3 - 0.6 m	Brown (7.5YR4/2-Moist); ; Heavy clay; Moderate grade of structure, 50-100 mm, Lenticular; Smooth-ped fabric; Dry; Very strong consistence; Field pH 6.2 (pH meter); Gradual change to -
B24	0.6 - 0.65 m	Brown (7.5YR4/2-Moist); , 7.5YR46, 0-2% , 15-30mm, Faint; , 0-2% , 15-30mm, Faint; Heavy clay; Moderate grade of structure, 50-100 mm, Lenticular; Smooth-ped fabric; Dry; Very strong consistence; Gradual change to -
B25	0.65 - 0.9 m	Brown (7.5YR5/2-Moist); , 7.5YR46, 0-2% , 5-15mm, Faint; , 0-2% , 5-15mm, Faint; Heavy clay; Moderate grade of structure, 50-100 mm, Lenticular; Smooth-ped fabric; Dry; Very strong consistence; Field pH 5.3 (pH meter); Gradual change to -
B26	0.9 - 1.2 m	Brown (7.5YR5/2-Moist); , 7.5YR46, 2-10% , 5-15mm, Faint; , 2-10% , 5-15mm, Faint; Heavy clay; Moderate grade of structure, 50-100 mm, Lenticular; Smooth-ped fabric; Dry; Very strong consistence; Field pH 5 (pH meter); Gradual change to -
B27	1.2 - 1.5 m	Brown (7.5YR5/2-Moist); , 7.5YR46, 2-10% , 5-15mm, Faint; , 2-10% , 5-15mm, Faint; Heavy clay; Moderate grade of structure, 50-100 mm, Lenticular; Smooth-ped fabric; Dry; Very strong consistence; Field pH 4.3 (pH meter); Gradual change to -

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B28      1.5 - 1.8 m      Brown (7.5YR5/2-Moist); , 7.5YR46, 2-10% , 5-15mm, Faint; , 2-10% , 5-15mm, Faint; Heavy clay; Moderate grade of structure, 50-100 mm, Lenticular; Smooth-ped fabric; Dry; Very strong consistence;

**Morphological Notes**

**Observation Notes**

LAYERS RE NUMBERED 12/10/92

**Site Notes**

TARA

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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 (CaCO3) - 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 H2SO4 (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