

Project Name: TBL
Project Code: TBL **Site ID:** B825 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	B. Slater	Locality:	
Date Desc.:	20/02/87	Elevation:	No Data
Map Ref.:	Sheet No. : 9043 1:100000	Rainfall:	0
Northing/Long.:	150.55	Runoff:	Very slow
Easting/Lat.:	-27.3333333333333	Drainage:	Poorly drained

Geology

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

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	Mid-slope	Relief:	No Data
Elem. Type:	Pediment	Slope Category:	Very gently sloped
Slope:	0 %	Aspect:	10 degrees

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

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Epicalcareous-Epihypersodic Self-Mulching Black Vertosol		Principal Profile Form:	Ug5.15
ASC Confidence:		Great Soil Group:	Brown clay
All necessary analytical data are available.			

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

Vegetation:

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

Surface Coarse Fragments: 0-2%, medium gravelly, 6-20mm, subrounded, Quartz

Profile Morphology

A11	0 - 0.04 m	Very dark greyish brown (10YR3/2-Moist); Dark greyish brown (10YR4/2-Dry); ; Medium heavy clay; Strong grade of structure, <2 mm, Granular; Dry; Weak consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Substrate material, coarse fragments; Field pH 6 (pH meter); Abrupt change to -
A12	0.04 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); ; Medium heavy clay; Strong grade of structure, 5-10 mm, Angular blocky; Dry; Very firm consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Substrate material, coarse fragments; Clear change to -
B21	0.1 - 0.2 m	Very dark brown (10YR2/2-Moist); ; Heavy clay; Moderate grade of structure, 50-100 mm, Angular blocky; Moderate grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Substrate material, coarse fragments; Gradual change to -
B22	0.2 - 0.3 m	Very dark greyish brown (10YR3/2-Moist); ; Heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Substrate material, coarse fragments; Field pH 6.4 (pH meter); Gradual change to -
B23	0.3 - 0.41 m	Dark brown (7.5YR3/2-Moist); ; Heavy clay; Moderate grade of structure, 20-50 mm, Lenticular; Smooth-ped fabric; Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Substrate material, coarse fragments; Gradual change to -
B24	0.41 - 0.6 m	Dark brown (7.5YR3/3-Moist); , 10YR32, 10-20% , 15-30mm, Faint; , 10-20% , 15-30mm, Faint; Heavy clay; Moderate grade of structure, 20-50 mm, Lenticular; Smooth-ped fabric; Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Substrate material, coarse fragments; Field pH 4.5 (pH meter); Gradual change to -
B25	0.6 - 0.9 m	Dark brown (7.5YR3/3-Moist); ; Heavy clay; Moderate grade of structure, 20-50 mm, Lenticular; Smooth-ped fabric; Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Substrate material, coarse fragments; Field pH 4 (pH meter); Gradual change to -
B26	0.9 - 1.2 m	Brown (7.5YR4/3-Moist); ; Heavy clay; Moderate grade of structure, 20-50 mm, Lenticular; Smooth-ped fabric; Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Substrate material, coarse fragments; Field pH 4 (pH meter); Gradual change to -

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B27	1.2 - 1.5 m	Brown (7.5YR4/3-Moist); ; Heavy clay; Moderate grade of structure, 20-50 mm, Lenticular; Smooth-ped fabric; Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Substrate material, coarse fragments; Field pH 4 (pH meter); Gradual change to -
B28	1.5 - 1.8 m	Brown (7.5YR4/3-Moist); ; Heavy clay; Moderate grade of structure, 20-50 mm, Lenticular; Smooth-ped fabric; Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Substrate material, coarse fragments; Field pH 4 (pH meter);

Morphological Notes

Observation Notes

LAYERS RE NUMBERED 12/10/92

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 (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