TBL Project Name:

Project Code: TBL Site ID: B830 Observation ID: 1

CSIRO Division of Soils (QLD) Agency Name:

Site Information

B. Slater Locality:

Desc. By: Date Desc.: Elevation: 25/02/87 No Data Map Ref.: Sheet No.: 8943 1:100000 Rainfall:

Northing/Long.: 150.216666666667 Runoff: Moderately rapid -27.4666666666667 Moderately well drained Easting/Lat.: Drainage:

Geology

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

Land Form

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

Surface Soil Condition (dry): Cracking, Surface crust

Erosion: Moderate (sheet)

Soil Classification

Australian Soil Classification: Mapping Unit: N/A Epihypersodic-Endoacidic Epipedal Grey Vertosol **Principal Profile Form:** Uq5.5 **ASC Confidence: Great Soil Group:** Grey clay

All necessary analytical data are available.

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - , , . *Species includes - Sclerolaeana 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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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 B28 1.5 - 1.8 m

Morphological Notes

Observation Notes

LAYERS RE NUMBERED 12/10/92

Site Notes

TARA

Project Name: Project Code: Agency Name: **TBL**

TBL Site ID: B83
CSIRO Division of Soils (QLD) B830 Observation ID: 1

Laboratory Test Results:

Depth	рН	1:5 EC		hangeable				hangeable	CEC		ECEC	E	SP
m		dS/m	Ca	Mg	K	Na A Cmol (+)/kg		Acidity I				9	6
0 - 0.04	7.3H	0.069B	14.1K	5.3	2.2	1.9		5.7D					
0.04 - 0.1	7.6H	0.05B	14.8K	5.5	1.6	2.4		7.1D					
0.1 - 0.2	8.1H	0.061B	16.4K	8.6	0.5	3.6		3.2D					
0.2 - 0.3	8.6H	0.092B	13.5K	9.7	0.4	4.2		4.2D					
0.3 - 0.6	8.2H	0.44B	15.2K	10.7	0.3	5.5		<0.1D					
0.65 - 0.9	5H	0.63B	8.2K	9.9	0.2	5.8		5.3D					
0.9 - 1.2	4.5H	0.68B	10.9K	10.5	0.4	7.7		10.2D					
1.5 - 1.8	4.3H	0.77B	8.7K	11	0.4	7.6		12.1D					
Depth	CaCO3	Organic	Avail.	Total	Total	т	otal	Bulk	P:	article	Size	Analysis	
200		C	P	P	N		K	Density	GV	CS	FS	Silt	
m	%	%	mg/kg	%	%		%	Mg/m3			%		
0 - 0.04		4.61A	45B	0.034F	0.24	8B	0.26B			4C	37	10	41
0.04 - 0.1		2.14A	36B	0.03F	0.23	9B	0.23B			4C	36	12	44
0.1 - 0.2	0.210		13B	0.019F	0.1	1B	0.18B			4C	37		44
0.2 - 0.3	0.040		10B	0.018F	0.10	-	0.17B			4C	35		45
0.3 - 0.6	0.040			0.012F	0.06		0.16B			4C	33		49
0.65 - 0.9				0.01F	0.03		0.16B			3C	31	10	55
0.9 - 1.2				0.01F	0.04		0.15B			3C	27		58
1.5 - 1.8				0.01F	0.04	3B	0.16B			2C	23	10	62
Depth	COLE		Grav	vimetric/Vol	/ater	ater Contents			K sa	at	K unsat		
•		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 B	ar !	5 Bar 1	5 Bar				
m				g/g	- m3/m3	3				mm/	/h	mm/h	

0 - 0.04 0.04 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.6 0.65 - 0.9 0.9 - 1.2 1.5 - 1.8

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Laboratory Analyses Completed for this profile

Total element - S(%) - Not recorded 10A NR

15_NR_CA Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded

15_NR_H Hydrogen Cation - meg 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

Calcium Carbonate (CaCO3) - Not recorded 19B_NR

Air-dry moisture content 2A1

3_NR Electrical conductivity or soluble salts - Not recorded

4_NR 5_NR pH of soil - Not recorded

Water soluble Chloride - Cl(%) - Not recordede

Organic carbon - Walkley and Black 6A1 7_NR Total nitrogen (%) - Not recorded 9A_NR 9G_BSES

Total element - P(%) - Not recorded Available P (mg/kg) - Acid P - 0.005M H2SO4 (BSES)

P10_NR_C Clay (%) - Not recorded

P10_NR_CS Coarse sand (%) - Not recorded Fine sand (%) - Not recorded P10_NR_FS P10_NR_Z Silt (%) - Not recorded