TBL Project Name:

Project Code: TBL Site ID: **B836** Observation ID: 1

CSIRO Division of Soils (QLD) Agency Name:

Site Information

Desc. By: Date Desc.: B. Slater Locality:

Elevation: 16/02/87 No Data Map Ref.: Sheet No.: 8843 1:100000 Rainfall:

Northing/Long.: Runoff: 149.9 Moderately rapid -27.2666666666667 Drainage: Moderately well drained Easting/Lat.:

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 **Slope Category:** Plain Level No Data 0 % Aspect: Slope:

Surface Soil Condition (dry): Surface crust, Cracking

Erosion:

Soil Classification

Australian Soil Classification: Mapping Unit: N/A Episodic-Endoacidic Epipedal Grev Vertosol Principal Profile Form: Ug5.24 **ASC Confidence: Great Soil Group:** Grey clay

All necessary analytical data are available.

Site Disturbance: Extensive clearing, for example poisoning, ringbarking

meter); Gradual change to -

Low Strata - Tussock grass, 0.26-0.5m, Very sparse. *Species includes - Sclerolaeana tetracuspis **Vegetation:**

Mid Strata - , , . *Species includes - Acacia harpophylla

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

Surface Coarse Fragments:

Profile Morphology								
A11	0 - 0.04 m	Brown (10YR5/3-Moist); Very pale brown (10YR7/3-Dry); ; Light medium clay; Strong grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Dry; Firm consistence; Field pH 6.5 (pH meter); Clear change to -						
A12	0.04 - 0.1 m	Dark greyish brown (10YR4/2-Moist); , 7.5YR44, 2-10% , 5-15mm, Faint; , 2-10% , 5-15mm, Faint; Medium heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderate grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Dry; Very 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; Smooth-ped fabric; Dry; Strong consistence; Clear change to -						
B22k	0.2 - 0.3 m	Greyish brown (10YR5/2-Moist); ; Heavy clay; Moderate grade of structure, 50-100 mm, Lenticular; Smooth-ped fabric; Dry; Strong consistence; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Soft segregations; Gradual change to -						
	0.3 - 0.34 m	Greyish brown (10YR5/2-Moist); ; Heavy clay; Moderate grade of structure, 50-100 mm, Lenticular; Smooth-ped fabric; Strong consistence; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Soft segregations; Field pH 8.9 (pH meter); Gradual change to -						
B23k	0.34 - 0.57 m	Light brownish grey (10YR6/2-Moist); ; Heavy clay; Moderate grade of structure, 50-100 mm, Lenticular; Smooth-ped fabric; Dry; Strong consistence; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Soft segregations; Gradual change to -						
B24	0.57 - 0.6 m	Light brownish grey (2.5Y6/2-Moist); ; Heavy clay; Moderate grade of structure, 50-100 mm, Lenticular; Smooth-ped fabric; Dry; Strong consistence; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Nodules; Field pH 9 (pH meter); Gradual change to -						
	0.6 - 0.9 m	Light brownish grey (2.5Y6/2-Moist); ; Heavy clay; Moderate grade of structure, 50-100 mm, Lenticular; Smooth-ped fabric; Strong consistence; Field pH 6 (pH meter); Gradual change to -						
B25	0.9 - 1.2 m	Light brownish grey (2.5Y6/3-Moist); , 7.5YR44, 2-10% , 5-15mm, Distinct; , 2-10% , 5-15mm, Distinct; Heavy clay; Moderate grade of structure, 50-100 mm, Lenticular; Smooth-ped fabric; Dry; Strong consistence; Few (2 - 10 %), Manganiferous, Fine (0 - 2 mm), Veins; Field pH 5 (pH						

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CSIRO Division of Soils (QLD)

B26 1.2 - 1.5 m

Light brownish grey (2.5Y6/2-Moist); , 7.5YR44, 2-10% , 5-15mm, Distinct; , 2-10% , 5-15mm, Distinct; Heavy clay; Moderate grade of structure, 50-100 mm, Lenticular; Smooth-ped fabric; Dry; Strong consistence; Few (2 - 10 %), Manganiferous, Fine (0 - 2 mm), Veins; Field pH 4.8

(pH meter); Gradual change to -

Light brownish grey (2.5Y6/3-Moist); ; Heavy clay; Moderate grade of structure, 50-100 mm, Lenticular; Smooth-ped fabric; Dry; Strong consistence; B27 1.5 - 1.74 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) B836 Observation ID: 1

Laboratory Test Results:

Depth	рН	1:5 EC		hangeable				hangeable	CEC	ı	ECEC	E	SP
m		dS/m	Ca I	Mg	K	Na Acid Cmol (+)/kg		Acidity				9	%
0 - 0.04	8.5H	0.087B	22K	5.9	1.6	1.9		4.8D					
0.04 - 0.1	8.6H	0.17B	23.6K	6.6	0.9	2.9		4.4D					
0.1 - 0.2	8.2H	0.7B	26.1K	8.3	0.6	3		<0.1D					
0.2 - 0.3	8.2H	0.78B	23.8K	9.8	0.6	3.4		0.6D					
0.34 - 0.57	8.2H	0.58B	19.6K	11.1	0.5	5.8		0.3D					
0.6 - 0.9	5.2H	0.71B	13.8K	9.2	0.5	6.5		7.1D					
0.9 - 1.2	4.5H	0.76B	11.2K	9.2	0.5	7		7.8D					
1.5 - 1.74	4.3H	0.81B	9.6K	8.8	0.5	7.2		8.5D					
Depth	CaCO3	Organic	Avail.	Total	Total	Т	otal	Bulk	Pa	article	Size A	nalysis	
		C	Р	Р	N		K	Density	GV	CS	FS	Silt	
m	%	%	mg/kg	%	%		%	Mg/m3			%		•
0 - 0.04	0.55C		20B	0.026F		-	0.43B			1C	22	12	60
0.04 - 0.1	2.030		15B	0.022F		-	0.37B			1C	20	14	60
0.1 - 0.2	2.15C		13B	0.015F		-	0.35B			1C	20	13	61
0.2 - 0.3	1.010		7B	0.013F		-	0.35B			0C	20	14	62
0.34 - 0.57	0.280	;		0.009F		-	0.33B			OC	21	14	62
0.6 - 0.9				0.009F			0.32B			0C	21	14	62
0.9 - 1.2				0.008F		-	0.32B			0C	22	14	61
1.5 - 1.74				0.01F	0.02	ab (0.31B			1C	25	14	59
	COLE					_	_						
Depth		ontents r 5 Bar 15 Bar			K sat K uns								
m		Sat.	0.05 Bar	0.1 Bar g/g	0.5 Bar y - m3/m3	1 Ba	ar :	par 1	o B ar	mm/	h	mm/h	

0 - 0.04 0.04 - 0.1 0.1 - 0.2 0.2 - 0.3 0.34 - 0.57 0.6 - 0.9 0.9 - 1.2 1.5 - 1.74

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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