Project Name: TBL

Project Code: Site ID: B841 Observation ID: 1 **TBL**

CSIRO Division of Soils (QLD) Agency Name:

Site Information

B. Slater Locality:

Desc. By: Date Desc.: Elevation: 19/02/87 No Data Map Ref.: Sheet No.: 8843 1:100000 Rainfall: Northing/Long.: 149.9833333333333 Runoff: Slow

Moderately well drained Easting/Lat.: -29.15 Drainage:

Geology

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

Land Form

Rel/Slope Class: Gently undulating plains <9m 1-Pattern Type: Plain

Mid-slope Morph. Type: Relief: No Data

Elem. Type: Plain Slope Category: Very gently sloped

0 % Aspect: No Data Slope:

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification: Mapping Unit: N/A Vertic Subnatric Grey Sodosol **Principal Profile Form:** N/A N/A **ASC Confidence: Great Soil Group:**

All necessary analytical data are available.

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - , , . *Species includes - Chloris ventricosa

Mid Strata - , , . *Species includes - Geijera parviflora, Eremophila mitchellii

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

harpophylla

Surface Coarse Fragments:

Profile	e Morphology	
A11	0 - 0.05 m	Brown (7.5YR4/3-Moist); Brown (7.5YR5/4-Dry); ; Sandy clay loam (Light); Massive grade of structure; Dry; Weak consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Substrate material, coarse fragments; Field pH 7.8 (pH meter); Clear change to -
A12	0.05 - 0.1 m	Brown (7.5YR4/3-Moist); ; Loam; Massive grade of structure; Dry; Firm consistence; 2-10%, medium gravelly, 6-20mm, subrounded, Substrate material, coarse fragments; Clear change to -
A2sb	0.1 - 0.2 m	Dark brown (7.5YR3/2-Moist); White (10YR8/2-Dry); ; Fine sandy loam (Heavy); Massive grade of structure; Dry; Firm consistence; 2-10%, medium gravelly, 6-20mm, subrounded, Substrate material, coarse fragments; Abrupt change to -
B21t	0.2 - 0.3 m	Brown (7.5YR4/2-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; 2-10%, medium gravelly, 6-20mm, subrounded, Substrate material, coarse fragments; Field pH 7.5 (pH meter); Gradual change to -
B22t	0.3 - 0.6 m	Brown (7.5YR4/2-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Very strong consistence; 2-10%, medium gravelly, 6-20mm, subrounded, Substrate material, coarse fragments; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8 (pH meter); Gradual change to -
B23k	0.6 - 0.9 m	Brown (10YR5/3-Moist); , 10YR66, 2-10% , 0-5mm, Distinct; , 2-10% , 0-5mm, Distinct; Medium clay; Moderate grade of structure, 20-50 mm, Lenticular; Smooth-ped fabric; Dry; Very strong consistence; 2-10%, medium gravelly, 6-20mm, subrounded, Substrate material, coarse fragments; Common (10 - 20 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 9 (pH meter); Gradual change to -
B24k	0.9 - 1.2 m	Brown (10YR5/3-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Lenticular; Smooth-ped fabric; Dry; Very strong consistence; 0-2%, medium gravelly, 6-20mm, subrounded, Substrate material, coarse fragments; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 9 (pH meter); Gradual change to -

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B25 1.2 - 1.5 m

Greyish brown (10YR5/2-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Lenticular; Smooth-ped fabric; Dry; Very strong consistence; 0-2%, medium gravelly, 6-20mm, subrounded, Substrate material, coarse fragments; Very few (0 - 2 %), Calcareous, Medium (2

-6 mm), Nodules; Field pH 9 (pH meter); Gradual change to -

Greyish brown (10YR5/2-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Lenticular; Smooth-ped fabric; Dry; Very strong consistence; 2-10%, fine gravelly, 2-6mm, B25 1.5 - 1.74 m

subangular, Sand, coarse fragments;

Morphological Notes

Observation Notes

LAYERS RENUMBERED 12/10/92

Site Notes

TARA

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

TBL Site ID: B84
CSIRO Division of Soils (QLD) B841 Observation ID: 1

Laboratory Test Results:

Depth	рН	1:5 EC		angeable		NI-		nangeable	CEC	EC	CEC	E	SP
m		dS/m	Ca N	lg	K	Na Ao Cmol (+)/kg		Acidity				%	.
0 - 0.05	6.1H	0.05B											
0.05 - 0.1	6.5H	0.04B	22.7K	3.9	1.7	<0.1		14.9D					
0.1 - 0.2	7.2H	0.04B	25.3K	3.8	1.6	<0.1		8.9D					
0.2 - 0.3	7.9H	0.03B	20.5K	4.1	1.3	0.2		5.8D					
0.3 - 0.6	8.2H	0.17B 0.36B	18.8K	8.2	0.7	3.8	1	2.8D					
0.6 - 0.9													
0.9 - 1.2	6.2H	0.29B											
1.5 - 1.74	4.8H	0.3B	7.5K	9.8	0.2	7.3		7.8D					
Depth	CaCO3	Organic	Avail.	Total	Total	1	Γotal	Bulk	Pa	rticle Si	ize A	nalysis	
200		C	P	P	N		K	Density	G۷		S	Silt C	lay
m	%	%	mg/kg	%	%		%	Mg/m3			%		•
0 - 0.05		7.55A	186B	0.056F	0.66	65B	0.41B			6C	12	19	44
0.05 - 0.1		5.78A	177B	0.083F	0.5	16B	0.38B			6C	13	21	48
0.1 - 0.2		1.61A	148B	0.08F	0.3	-	0.32B			13C	17	19	46
0.2 - 0.3	0.16C	-	33B	0.039F	0.14	-	0.25B			13C	19	19	46
0.3 - 0.6	0.09C			0.019F			0.23B			12C	16	17	54
0.6 - 0.9	0.310	;		0.016F			0.17B			12C	17	16	54
0.9 - 1.2				0.012F	0.0	-	0.15B			15C	19	15	51
1.5 - 1.74				0.01F	0.0	4B	0.15B			12C	18	15	56
Depth	COLE		Gravi	metric/Volumetric V				s		K sat	ŀ	K unsat	
-		Sat.	0.05 Bar	0.1 Bar	Bar 1			5 Bar					
m				g/g	- m3/m	3				mm/h		mm/h	

0 - 0.05 0.05 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.6 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