

Project Name: TBL
Project Code: TBL **Site ID:** B826 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	B. Slater	Locality:	
Date Desc.:	25/05/87	Elevation:	No Data
Map Ref.:	Sheet No. : 8943 1:100000	Rainfall:	0
Northing/Long.:	150.016666666667	Runoff:	Moderately rapid
Easting/Lat.:	-27.5	Drainage:	Moderately well drained

Geology

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

Land Form

Rel/Slope Class:	No Data	Pattern Type:	No Data
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Level
Slope:	0 %	Aspect:	No Data

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

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Epiacidic Self-Mulching Grey Vertosol		Principal Profile Form:	Ug5.2
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 - None recorded
Mid Strata - , , . *Species includes - Geijera parviflora, Enchylaena tomentosa
Tall Strata - Tree, 12.01-20m, Mid-dense. *Species includes - Casuarina cristata, Acacia harpophylla

Surface Coarse Fragments: 0-2%, coarse gravelly, 20-60mm, subrounded, Quartz

Profile Morphology

A11	0 - 0.05 m	Brown (10YR4/3-Moist); Light brownish grey (10YR6/2-Dry); ; Light medium clay; Moderate grade of structure, 5-10 mm, Angular blocky; Strong grade of structure, 2-5 mm, Granular; Dry; Firm consistence; Field pH 6.2 (pH meter); Clear change to -
A12	0.02 - 0.1 m	Brown (7.5YR4/3-Moist); ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderate grade of structure, 5-10 mm, Angular blocky; Dry; Very strong consistence; Clear change to -
B21	0.15 - 0.2 m	Dark greyish brown (10YR4/2-Moist); ; Medium heavy clay; Moderate grade of structure, 50-100 mm, Angular blocky; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; Gradual change to -
B22	0.2 - 0.3 m	Dark greyish brown (10YR4/2-Moist); ; Medium heavy clay; Moderate grade of structure, 50-100 mm, Lenticular; Smooth-ped fabric; Dry; Very strong consistence; Field pH 8.5 (pH meter); Gradual change to -
B23	0.3 - 0.6 m	Brown (7.5YR4/2-Moist); ; Medium heavy clay; Moderate grade of structure, Lenticular; Smooth-ped fabric; Dry; Very strong consistence; Very few (0 - 2 %), Calcareous, Medium (2 - 6 mm), Soft segregations; Field pH 8.6 (pH meter); Gradual change to -
B24	0.6 - 0.9 m	Brown (10YR4/3-Moist); , 7.5YR44, 2-10% , 5-15mm, Faint; , 2-10% , 5-15mm, Faint; Medium heavy clay; Moderate grade of structure, Lenticular; Smooth-ped fabric; Dry; Very strong consistence; Common (10 - 20 %), Calcareous, Medium (2 -6 mm), Soft segregations; Field pH 8.5 (pH meter); Gradual change to -
B25	0.9 - 1.2 m	Brown (7.5YR4/3-Moist); ; Medium heavy clay; Moderate grade of structure, Lenticular; Smooth-ped fabric; Dry; Very strong consistence; Field pH 6 (pH meter); Gradual change to -
B26	1.2 - 1.5 m	Brown (7.5YR5/3-Moist); ; Medium heavy clay; Moderate grade of structure, Lenticular; Smooth-ped fabric; Dry; Very strong consistence; Field pH 5.9 (pH meter); Gradual change to -
B27	1.5 - 1.8 m	Brown (7.5YR5/4-Moist); ; Medium heavy clay; Moderate grade of structure, Lenticular; Smooth-ped fabric; Dry; Very strong consistence; Field pH 5.5 (pH meter); Gradual change to -

Morphological Notes

Observation Notes

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LAYERS RE NUMBERED 12/10/92

Site Notes

TARA

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable		CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na	Acidity			%
						Cmol	(+)/kg			
0 - 0.05	5.4H	0.22B	13.3K	11.5	1.1	1.9	12D			
0.05 - 0.1	4.9H	0.38B	12.3K	12.5	0.5	2.7	11.6D			
0.1 - 0.2	4.5H	0.48B	10.2K	13.8	0.3	3.8	10.5D			
0.2 - 0.3	4.5H	0.5B	9.3K	13.9	0.3	5.2	12.6D			
0.3 - 0.6	4.4H	0.76B	8.1K	13.5	0.4	6.6	9.4D			
0.6 - 0.9	4.4H	0.81B	6.3K	13.5	0.5	8.8	13.5D			
0.9 - 1.2	4.4H	0.79B	4.5K	12.7	0.7	10.3	10.5D			
1.5 - 1.8	4.6H	0.93B	5.2K	13.4	0.9	12	10.4D			

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.05		1.02A	27B	0.024F	0.12B	0.28B			2C	28	14	52
0.05 - 0.1		1.09A	15B		0.115B				2C	26	14	56
0.1 - 0.2		0.66A	8B		0.071B				2C	23	14	60
0.2 - 0.3		0.59A	6B	0.015F	0.066B	0.27B			1C	21	14	62
0.3 - 0.6				0.015F	0.061B	0.27B			1C	23	13	62
0.6 - 0.9				0.013F	0.052B	0.28B			1C	20	14	62
0.9 - 1.2				0.013F	0.041B	0.3B			1C	18	15	63
1.5 - 1.8				0.015F	0.037B	0.34B			0C	18	15	66

[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
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