Project Name: TBL
Project Code: TBL **Site ID:** B833 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By: B. Slater
Date Desc.: 19/02/87
Map Ref.: Sheet No. : 8943 1:100000
Northing/Long.: 150.9
Easting/Lat.: -27.2333333333333
Locality:
Elevation: No Data
Rainfall: 0
Runoff: Moderately rapid
Drainage: Moderately well drained

Geology

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

Land Form

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

Surface Soil Condition (dry): Hardsetting

Erosion: Minor or present (wind);

Soil Classification

Australian Soil Classification:
Vertic Hypercalcic Brown Dermosol
ASC Confidence:
All necessary analytical data are available.
Mapping Unit: N/A
Principal Profile Form: Db1.13
Great Soil Group: Red-brown earth

Site Disturbance: Extensive clearing, for example poisoning, ringbarking

Vegetation:

Mid Strata - , , . *Species includes - Geijera parviflora
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus populnea

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.05 m	Brown (7.5YR4/3-Moist); Brown (7.5YR5/4-Dry); ; Clay loam, fine sandy; Massive grade of structure; Dry; Firm consistence; Field pH 7.6 (pH meter); Clear change to -
A12	0.05 - 0.1 m	Brown (7.5YR4/3-Moist); ; Clay loam, fine sandy; Massive grade of structure; Dry; Firm consistence;
A13	0.1 - 0.2 m	Brown (7.5YR4/4-Moist); ; Clay loam, fine sandy; Weak grade of structure, 10-20 mm, Angular blocky; Dry; Firm consistence; Abrupt change to -
	0.2 - 0.27 m	Brown (7.5YR4/4-Moist); ; Clay loam, fine sandy; Weak grade of structure, 10-20 mm, Angular blocky; Firm consistence;
A14	0.27 - 0.3 m	Brown (7.5YR4/4-Moist); ; Clay loam, fine sandy; Weak grade of structure, 10-20 mm, Angular blocky; Dry; Firm consistence; Field pH 8.9 (pH meter); Abrupt change to -
	0.3 - 0.32 m	Brown (7.5YR4/4-Moist); ; Clay loam, fine sandy; Weak grade of structure, 10-20 mm, Angular blocky; Firm consistence; Abrupt change to -
B21t	0.32 - 0.6 m	Brown (7.5YR5/4-Moist); ; Light medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; Field pH 9 (pH meter); Gradual change to -
B22t	0.6 - 0.9 m	Light brown (7.5YR6/4-Moist); ; Heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; Common (10 - 20 %), Calcareous, Medium (2 -6 mm), Soft segregations; Field pH 9 (pH meter); Gradual change to -
B23t	0.9 - 1.2 m	Brown (7.5YR5/4-Moist); ; Heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Nodules; Few (2 - 10 %), Gypseous, Fine (0 - 2 mm), Crystals; Field pH 6.5 (pH meter); Gradual change to -
B24t	1.2 - 1.5 m	Brown (7.5YR5/4-Moist); ; Heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; Field pH 5.5 (pH meter);

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B25t 1.5 - 1.63 m Brown (7.5YR5/4-Moist); ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Dry; Strong consistence;

Morphological Notes

Observation Notes

LAYERS RE NUMBERED 12/10/92

Site Notes

TARA

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable Acidity	CEC	ECEC	ESP
			Ca	Mg	K	Na				
m		dS/m	Cmol (+)/kg							%
0 - 0.05	6.8H	0.014B	9K	3.5	1.4	0.1	6.6D			
0.05 - 0.1	7.1H	0.014B	8.7K	3.8	0.9	0.5	5.5D			
0.1 - 0.2	6.9H	0.038B	9K	6	0.8	1.4	5.9D			
0.2 - 0.27	6.9H	0.11B	12.1K	9.8	0.5	2.7	5.3D			
0.32 - 0.6	8.7H	0.26B	12.4K	11.9	0.8	4.4	<0.1D			
0.32 - 0.6	8.7H	0.26B	12.4K	11.9	0.8	4.4	<0.1D			
0.6 - 0.9	8.6H	0.32B	11K	12.6	0.4	5.3	<0.1D			
0.9 - 1.2	5H	0.31B	7.6K	9.2	0.3	4.7	7.1D			
1.5 - 1.63	4.4H	0.29B	6.4K	8.9	0.3	4.7	8.1D			

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis			
								GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.05		1.59A	23B	0.033F	0.164B	0.27B			4C	48	13	29
0.05 - 0.1		1.46A	8B	0.026F	0.113B	0.27B			4C	47	13	32
0.1 - 0.2		0.66A	4B	0.021F	0.089B	0.24B			3C	38	12	43
0.2 - 0.27		0.23A	2B	0.017F	0.089B	0.23B			2C	32	9	53
0.32 - 0.6	3.14C			0.015F	0.058B	0.23B			2C	31	11	50
0.32 - 0.6	3.14C			0.015F	0.058B	0.23B			2C	31	11	50
0.6 - 0.9	1.34C			0.012F	0.037B	0.21B			2C	29	11	54
0.9 - 1.2				0.01F	0.043B	0.19B			2C	28	12	59
1.5 - 1.63				0.01F	0.04B	0.18B			2C	28	12	58

Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m		g/g - m3/m3							mm/h	mm/h
0 - 0.05										
0.05 - 0.1										
0.1 - 0.2										
0.2 - 0.27										
0.32 - 0.6										
0.32 - 0.6										
0.6 - 0.9										
0.9 - 1.2										
1.5 - 1.63										

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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 recordede
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