Project Name:	TBL		
Project Code:	TBL	Site ID:	B816
Agency Name:	CSIRO Divi	ision of Soils (C	QLD)

Site Information Desc. By: B. Slater

Date Desc.:

Map Ref.:

Geology

Geol. Ref .:

Slope:

Erosion:

19/02/87 Elevation: No Data Sheet No.: 8943 1:100000 Rainfall: 0 150.466666666667 Northing/Long.: Runoff: Very slow Easting/Lat.: -27.38333333333333 Imperfectly drained Drainage: ExposureType: Conf. Sub. is Parent. Mat.: Auger boring No Data Substrate Material: No Data Qs Land Form Rel/Slope Class: Level plain <9m <1% Pattern Type: Plain Morph. Type: Flat Relief: No Data Elem. Type: Slope Category: Plain Level Aspect: No Data 0% Surface Soil Condition (dry): Cracking Soil Classification Australian Soil Classification: N/A Mapping Unit: Epihypersodic-Endoacidic Epipedal Grey Vertosol Principal Profile Form: Uq5.24 ASC Confidence: Great Soil Group: Grey clay All necessary analytical data are available. Site Disturbance: Limited clearing, for example selective logging Low Strata - Tussock grass, 0.26-0.5m, Mid-dense. *Species includes - Leptochloa ciliolata Vegetation: Surface Coarse Fragments: **Profile Morphology** 0 - 0.05 m Dark greyish brown (10YR4/2-Moist); Light brownish grey (10YR6/2-Dry); ; Medium clay; Strong grade of structure, 5-10 mm, Angular blocky; Strong grade of structure, 2-5 mm, Granular; Smooth-ped fabric; Firm consistence; Field pH 6.2 (pH meter); Clear change to -

Locality:

0.05 - 0.1 m Dark greyish brown (10YR4/2-Moist); ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderate grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Very firm consistence; Clear change to -0.1 - 0.2 m Dark greyish brown (10YR4/2-Moist); ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderate grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Strong consistence; Gradual change to -0.2 - 0.3 m Greyish brown (10YR5/2-Moist); ; Medium heavy clay; Moderate grade of structure, 50-100 mm, Lenticular; Smooth-ped fabric; Very strong consistence; Field pH 8.8 (pH meter); Gradual change to -0.3 - 0.6 m Greyish brown (10YR5/2-Moist); ; Medium heavy clay; Moderate grade of structure, 50-100 mm,

- Lenticular; Smooth-ped fabric; Very strong consistence; Field pH 8 (pH meter); Gradual change to -
- 0.6 0.68 m Greyish brown (10YR5/2-Moist); ; Medium heavy clay; Moderate grade of structure, 50-100 mm, Lenticular; Smooth-ped fabric; Very strong consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Gradual change to -
- Greyish brown (10YR5/2-Moist); , 5YR46, 2-10% , 0-5mm, Faint; , 2-10% , 0-5mm, Faint; Medium 0.74 - 0.9 m heavy clay; Moderate grade of structure, 50-100 mm, Lenticular; Smooth-ped fabric; Very strong consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Nodules; Field pH 7.8 (pH meter); Gradual change to -
- Greyish brown (10YR5/2-Moist); , 5YR66, 2-10% , 0-5mm, Faint; , 2-10% , 0-5mm, Faint; Medium heavy clay; Moderate grade of structure, 50-100 mm, Lenticular; Smooth-ped fabric; Very strong 0.9 - 1.2 m consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Soft segregations; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 7 (pH meter); Gradual change to -

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- 1.2 1.5 m Greyish brown (10YR5/2-Moist); ; Medium heavy clay; Moderate grade of structure, 50-100 mm, Prismatic; Smooth-ped fabric; Very strong consistence; Common (10 - 20 %), Manganiferous, Coarse (6 - 20 mm), Soft segregations; Field pH 6.8 (pH meter); Gradual change to -
- 1.5 1.8 m Greyish brown (10YR5/2-Moist); ; Medium heavy clay; Moderate grade of structure, 50-100 mm, Prismatic; Smooth-ped fabric; Very strong consistence;

Morphological Notes

Observation Notes

FINE SAND POCKETS IN LOWER B. THIN FRAGILE CRUST. COARSER STRUCTURE THAN SHELF.

Site Notes

TARA

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Laboratory Test Results:

Depth	рН	1:5 EC		hangeable (Mg	Cations K	Ex Na	changeable Acidity	CEC	E	ECEC	ESF	>
m		dS/m			i.	Cmol (+)/					%	
0 - 0.05 0.05 - 0.1 0.1 - 0.2	6.8H 6.7H 8.6H	0.048B 0.031B 0.029B	19.8K 21.9K 19.8K	5.9 5.5 5.8	2.3 1.8 1.3	0.7 0.8 1.6	9.8D 7.1D 7.1D					
0.2 - 0.3 0.3 - 0.4 0.74 - 0.9 0.9 - 1.2	8.8H 8.8H 5.8H 5.2H	0.041B 0.086B 0.2B 0.19B	18.2K 13.5K 7.2K 5.6K	6.6 7.2 8.2 7.4	1 0.6 0.3 0.3	2.7 4.3 4.9 5	5.4D 4.7D 5.2D 6.2D					
1.5 - 1.8		0.25B	3.5K	7.4	0.2	4.9	5.5D					
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Pa GV	rticle CS	Size A FS	nalysis Silt Cla	iv
m	%	%	mg/kg	%	%	%	Mg/m3			%		.,
0 - 0.05 0.05 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.74 - 0.9 0.9 - 1.2 1.5 - 1.8	0.02C	2.7A 1.62A 0.52A 0.62A	97B 71B 13B 9B	0.052F 0.036F 0.016F 0.014F 0.011F 0.008F 0.006F 0.007F	0.29 0.19 0.06 0.04 0.03 0.02 0.02	 3B 0.48E 8B 0.36E B 0.34E 7B 0.3B 1B 0.26E 1B 0.25E 	3 3 3 3 3 3		5C 6C 10C 10C 13C 16C 16C 16C	15 17 19 21 28 29 28 30	19 14 14 12 10 14	55 54 52 46 45 44 44
Depth	COLE	Sat.	Grav 0.05 Bar	/imetric/Vol 0.1 Bar	umetric W 0.5 Bar	ater Conte 1 Bar		5 Bar	K sa	t P	Cunsat	
m				g/g	- m3/m3	5			mm/l	h	mm/h	
0 - 0.05 0.05 - 0.1												

0.05 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.74 - 0.9 0.9 - 1.2 1.5 - 1.8

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Laboratory Analyses Completed for this profile

10A_NR 15_NR_CA 15_NR_H 15_NR_MG 15_NR_NA 15_NR_NA 17A_NR 19B_NR 2A1 3_NR 4_NR 5_NR 6A1 7_NR 9G_BSES P10_NR_C P10_NR_CS P10_NR_FS	Total element - S(%) - Not recorded Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded Hydrogen Cation - meq per 100g of soil - Not recorded Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded Exch. basic cations (Na++) - meq per 100g of soil - Not recorded Total element - K(%) - Not recorded Calcium Carbonate (CaCO3) - Not recorded Air-dry moisture content Electrical conductivity or soluble salts - Not recorded PH of soil - Not recorded Water soluble Chloride - Cl(%) - Not recordede Organic carbon - Walkley and Black Total nitrogen (%) - Not recorded Available P (mg/kg) - Acid P - 0.005M H2SO4 (BSES) Clay (%) - Not recorded Fine sand (%) - Not recorded
	Coarse sand (%) - Not recorded Fine sand (%) - Not recorded Silt (%) - Not recorded

Observation ID: 1