Project Name: **Tonebridge land resources survey**
Project Code: **TON** **Site ID:** **0770** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By: Angela Stuart-Street
Date Desc.: 25/11/98
Map Ref.:
Northing/Long.: 6204419 AMG zone: 50
Easting/Lat.: 481758 Datum: AGD84
Locality:
Elevation: No Data
Rainfall: No Data
Runoff: No Data
Drainage: Moderately well drained

Geology

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

Landform

Rel/Slope Class: Level plain <9m <1%
Morph. Type: Flat
Elem. Type: Plain
Slope: 0.5 %
Pattern Type: Alluvial plain
Relief: No Data
Slope Category: No Data
Aspect: 180 degrees

Surface Soil Condition Firm

Erosion (wind); (scald) (sheet) (wave) (rill) (mass) (gully) (stbank) (tunnel)

Soil Classification

Australian Soil Classification:
Ferric Mottled-Subnatric Grey Sodosol
ASC Confidence:
Confidence level not specified
Mapping Unit: N/A
Principal Profile Form: N/A
Great Soil Group: N/A

Site Disturbance Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation

Surface Coarse Fragments No surface coarse fragments

Profile Morphology

A11 0 - 0.1 m Very dark grey (10YR3/1-Moist); ; Loamy fine sand; Moderately moist; Field pH 5.8 (pH meter);

A21 0.1 - 0.2 m Brown (10YR5/3-Moist); ; Loamy fine sand; Moderately moist; Field pH 5.6 (pH meter);

A22c 0.2 - 0.4 m Light yellowish brown (2.5Y6/4-Moist); ; Loamy fine sand; Moderately moist; 20-50%, medium gravelly, 6-20mm, subrounded, Ironstone, coarse fragments; Field pH 6 (pH meter);

B21t 0.4 - 0.6 m Light brownish grey (2.5Y6/3-Moist); Mottles, 10YR68, 10-20% , 0-5mm, Distinct; Light clay; Moderately moist; 10-20%, fine gravelly, 2-6mm, subrounded, Ironstone, coarse fragments; Field pH 6.6 (pH meter);

Morphological Notes

Observation Notes

Site Notes

Site on broad, flat alluvial plain. Grey sand over mottled grey clay. A2 1 Horizon slightly compacted. Sample collected for sodicity analysis.

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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							%
0.4 - 0.6	5.7B 6.8H	5B	1.48A	5.82	0.05	0.51			7.86D	

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle Size Analysis

m	%	C Clay %	P mg/kg	P %	N %	K %	Density Mg/m3	GV	CS	FS %	Silt
0.4 - 0.6									47.5l		8
44.5											

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15A1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_CEC	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_K	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_MG	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_NA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15J_BASES	Sum of Bases
15L1_a	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using Sum of Cations and measured clay
15N1_a	Exchangeable sodium percentage (ESP) - Auto calculated from available using CEC
15N1_b	Exchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations
3_NR	Electrical conductivity or soluble salts - Not recorded
4_NR	pH of soil - Not recorded
4B1	pH of 1:5 soil/0.01M calcium chloride extract - direct
P10_NR_C	Clay (%) - Not recorded
P10_NR_S	Sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded