

Project Name: Tonebridge land resources survey
Project Code: TON **Site ID:** 0688 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Angela Stuart-Street	Locality:
Date Desc.: 05/11/98	Elevation: No Data
Map Ref.:	Rainfall: No Data
Northing/Long.: 6217505 AMG zone: 50	Runoff: No Data
Easting/Lat.: 480030 Datum: AGD84	Drainage: Well drained

Geology

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

Landform

Rel/Slope Class: Undulating rises 9-30m 3-10%	Pattern Type: Rises
Morph. Type: Lower-slope	Relief: No Data
Elem. Type: Hillslope	Slope Category: No Data
Slope: 3 %	Aspect: 0 degrees

Surface Soil Condition Recently cultivated

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

Soil Classification

Australian Soil Classification:	Mapping Unit: N/A
Bleached-Mottled Mesotrophic Grey Kurosol	Principal Profile Form: N/A
ASC Confidence:	Great Soil Group: N/A
Confidence level not specified	

Site Disturbance Cultivation. Rainfed

Vegetation

Surface Coarse Fragments No surface coarse fragments

Profile Morphology

A11 0 - 0.1 m Sandy (grains change to -	Very dark greyish brown (10YR3/2-Moist); ; Loamy sand; Single grain grade of structure; prominent) fabric; Moderately moist; Loose consistence; Field pH 6 (pH meter); Clear
A21e 0.1 - 0.4 m structure; Sandy meter); Sharp change to -	Light brownish grey (10YR6/2-Moist); ; Loamy coarse sand; Single grain grade of (grains prominent) fabric; Moderately moist; Very weak consistence; Field pH 6.1 (pH
B21 0.4 - 0.5 m Massive grade pH 5.8 (pH	Light brownish grey (2.5Y6/3-Moist); ; 10YR68, 20-50% , 0-5mm, Prominent; Light clay; of structure; Sandy (grains prominent) fabric; Moderately moist; Weak consistence; Field meter); Clear change to -
B22t 0.5 - 0.7 m 5mm, Distinct; Weak	Light grey (2.5Y7/2-Moist); Mottles, 2.5YR48, 20-50% , 0-5mm; ; 7.5YR68, 10-20% , 0- Light clay; Massive grade of structure; Sandy (grains prominent) fabric; Moderately moist; consistence; Field pH 5 (pH meter);

Morphological Notes

Observation Notes

Site Notes

Site on lower part of slope, in oat crop. Sample collected for sodicity analysis.

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
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m	dS/m		Cmol (+)/kg									%
0.5 - 0.7	4.2B 5.1H	6B	0.83H	3.23	<0.02	0.26	0.68J	4.33D				

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis	GV	CS	FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m3					%
0.5 - 0.7 61.5										37I		1.5

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CM	Exchangeable bases (Ca/Mg ratio) - Not recorded
15_NR_K	Exch. basic cations (K++) - meq per 100g of soil - Not recorded
15_NR_MN	Exchangeable bases (Mn++) - meq per 100g of soil - Not recorded
15E1_AL	Exchangeable Al - by compulsive exchange, no pretreatment for soluble salts
15E1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) by compulsive exchange, no pretreatment for soluble salts
15E1_MG	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_NA	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15J_BASES	Sum of Bases
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