

Project Name: Tonebridge land resources survey
Project Code: TON **Site ID:** 0775 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Angela Stuart-Street
Date Desc.: 25/11/98
Map Ref.:
Northing/Long.: 6200364 AMG zone: 50
Easting/Lat.: 477882 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: Gently undulating plains <9m 1-3% **Pattern Type:** Plain

Morph. Type: Flat
Elem. Type: Drainage depression
Slope: 1 %
Relief: No Data
Slope Category: No Data
Aspect: 270 degrees

Surface Soil Condition Soft

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

Soil Classification

Australian Soil Classification: Mesotrophic Mottled-Hypernatric Grey Sodosol
Mapping Unit: N/A
Principal Profile Form: N/A
ASC Confidence: Confidence level not specified
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	Dark greyish brown (10YR4/2-Moist); ; Loamy fine sand; Single grain grade of structure; Sandy (grains
		prominent) fabric; Moist; Field pH 5 (pH meter); Abrupt change to -
A21	0.1 - 0.3 m	Brown (10YR5/3-Moist); ; Fine sand; Single grain grade of structure; Sandy (grains
		prominent) fabric; Moist; Field pH 5.7 (pH meter); Clear change to -
A22e	0.3 - 0.6 m	Light yellowish brown (10YR6/4-Moist); ; Fine sand; Single grain grade of structure; Sandy (grains
		prominent) fabric; Moist; Field pH 6.7 (pH meter); Clear change to -
B21t	0.6 - 0.9 m	Light brownish grey (2.5Y6/2-Moist); Mottles, 10YR68, 10-20% , 0-5mm, Distinct; Fine
		sandy light clay; Massive grade of structure; Sandy (grains prominent) fabric; Moist; Field pH 8.1 (pH
		meter);

Morphological Notes

Observation Notes

Site Notes

Site on broad drainage depression. 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
m		dS/m				Cmol (+)/kg				%
0.6 - 0.9	6.4B 7.7H	15B	0.97A	5.01	0.06	2.3			8.34D	

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0.6 - 0.9									771		2.5
20.5											

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMV	Exchangeable bases (Ca/Mg ratio) - Not recorded
15A1_CA for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15A1_CEC	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_K for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15A1_MG for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15A1_NA for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment 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