Project Name: **Tonebridge land resources survey**
Project Code: **TON** **Site ID:** **0695** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By: Angela Stuart-Street
Date Desc.: 05/11/98
Map Ref.:
Northing/Long.: 6193411 AMG zone: 50
Easting/Lat.: 491987 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 rises 9-30m 1-3%
Pattern Type: Rises

Morph. Type: Upper-slope
Elem. Type: Hillslope
Slope: 2 %
Relief: No Data
Slope Category: No Data
Aspect: 270 degrees

Surface Soil Condition Hardsetting, Hardsetting

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

Soil Classification

Australian Soil Classification:
Haplic Mesonatric Brown Kandosol
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 greyish brown (10YR3/2-Moist); ; Sandy loam; Dry; 10-20%, fine gravelly, 2-6mm, subrounded, Ironstone, coarse fragments;

B11 0.1 - 0.45 m Yellowish brown (10YR5/6-Moist); ; Sandy clay loam; Dry; 20-50%, fine gravelly, 2-6mm, subrounded, Ironstone, coarse fragments;

B21t 0.45 - 0.65 m Yellowish brown (10YR5/8-Moist); ; Light clay; Dry;

Morphological Notes

Observation Notes

Site Notes

Site on undulating slope of rise. Pale yellow sandy clayey loam over light clay. 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							%
0.45 - 0.65	5.1B 5.2H	49B	0.86H	4.37	0.03	2.03	0.04J		7.29D	

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

0.45 - 0.65		27.5I	11.5
61			

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
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_K	Exchangeable bases, CEC and AEC 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