Project Name: **Tonebridge land resources survey**
Project Code: **TON** **Site ID:** **0779** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By:	Angela Stuart-Street	**Locality:**	
Date Desc.:	26/11/98	**Elevation:**	No Data
Map Ref.:		**Rainfall:**	No Data
Northing/Long.:	6209991 AMG zone: 50	**Runoff:**	No Data
Easting/Lat.:	481791 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:	0 %	**Aspect:**	0 degrees

Surface Soil Condition

Firm

Erosion

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

Soil Classification

Australian Soil Classification:
Mottled Mesotrophic 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 - 0.05 m Dark brown (10YR3/3-Moist); ; Sandy loam; Moderately moist; Field pH 6.6 (pH meter);
Clear change to
-

B11 0.05 - 0.4 m Yellowish brown (10YR5/4-Moist); ; Sandy clay loam; Moderately moist; Field pH 6.9 (pH meter);
Gradual change to -

B21t 0.4 - 0.6 m Dark yellowish brown (10YR4/6-Moist); , 10YR68, 10-20% , 0-5mm, Faint; Light clay;
Moderately moist;
Field pH 6.7 (pH meter);

Morphological Notes

Observation Notes

Site Notes

Site in drainage depression between 2 rises. Sample collected for sodicity analysis.

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations Ca	Mg	K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0.4 - 0.6	5.7B 6.6H	4B	2.3A	3.85	0.24	0.3			6.69D	

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

0.4 - 0.6		42I	10
48			

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