Project Name: **Tonebridge land resources survey**
Project Code: **TON** **Site ID:** **0718** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By:	Angela Stuart-Street	**Locality:**	
Date Desc.:	12/11/98	**Elevation:**	No Data
Map Ref.:		**Rainfall:**	No Data
Northing/Long.:	6206092 AMG zone: 50	**Runoff:**	No Data
Easting/Lat.:	475492 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: Gently undulating rises 9-30m 1-3% **Pattern Type:** Rises

Morph. Type:	Lower-slope	**Relief:**	No Data
Elem. Type:	Hillslope	**Slope Category:**	No Data
Slope:	2 %	**Aspect:**	180 degrees

Surface Soil Condition

Firm

Erosion

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

Soil Classification

Australian Soil Classification:
Ferric Mesotrophic Brown Chromosol
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

2-10%, , subrounded, Quartz; 2-10%, , subangular, Granite

Profile Morphology

A11c 0 - 0.1 m Dark brown (10YR3/3-Moist); ; Loamy fine sand; Moderately moist; 20-50%, medium gravelly, 6-20mm, subrounded, Ironstone, coarse fragments; 10-20%, medium gravelly, 6-20mm, subangular, Quartz, coarse fragments; Sharp change to -

B11c 0.1 - 0.45 m Yellowish brown (10YR5/4-Moist); ; Fine sandy clay loam; Moderately moist; 20-50%, medium gravelly, 6-20mm, subrounded, Ironstone, coarse fragments; 10-20%, medium gravelly, 6-20mm, subangular, Quartz, coarse fragments; Clear change to -

B21t 0.45 - 0.65 m Yellowish brown (10YR5/6-Moist); ; Sandy light clay; Moderately moist;

Morphological Notes

Observation Notes

Site Notes

Site on toe of rise adjacent to swamp. 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 - 0.65	5.2B 6.4H	3B	2.02H	3.91	0.06	0.2	0.09J		6.19D	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis GV	CS	FS	Silt

m	%	Clay %	mg/kg	%	%	%	Mg/m3		%	
0.4 - 0.65									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
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