Project Name: **Tonebridge land resources survey**
Project Code: **TON** **Site ID:** **0693** **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.:	6203807 AMG zone: 50	**Runoff:**	No Data
Easting/Lat.:	490593 Datum: AGD84	**Drainage:**	Moderately 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:	Mid-slope	**Relief:**	No Data
Elem. Type:	Hillslope	**Slope Category:**	No Data
Slope:	3 %	**Aspect:**	0 degrees

Surface Soil Condition Firm

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

Soil Classification

Australian Soil Classification:
Ferric-Sodic Eutrophic 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 Dark brown (10YR3/3-Moist); ; Loamy sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; 20-50%, fine gravelly, 2-6mm, subrounded, Ironstone, coarse fragments; Field pH 6.4 (pH meter); Clear change to -

B11c 0.1 - 0.3 m Strong brown (7.5YR4/6-Moist); ; Sandy clay loam; Single grain grade of structure; Sandy (grains prominent) fabric; Moderately moist; 20-50%, medium gravelly, 6-20mm, subrounded, Ironstone, coarse fragments; Field pH 6.5 (pH meter); Gradual change to -

B12 0.3 - 0.45 m Yellowish brown (10YR5/6-Moist); ; Sandy clay loam; Single grain grade of structure; Sandy (grains prominent) fabric; Moderately moist; 20-50%, fine gravelly, 2-6mm, subrounded, Ironstone, coarse fragments; Field pH 6 (pH meter); Clear change to -

B21t 0.45 - 0.7 m Yellowish brown (10YR5/8-Moist); , 7.5YR58, 10-20% , 0-5mm, Faint; Light clay; Single grain grade of structure; Sandy (grains prominent) fabric; Moderately moist; Field pH 5.1 (pH meter);

Morphological Notes

Observation Notes

Site Notes

Site mid-lower slope on rise, above a hillside seep. Drainage at base of rise - saline. Sample collected for sodicity analysis.

Project Name: **Tonebridge land resources survey**
Project Code: **TON** **Site ID:** **0693** **Observation** **1**
Agency Name: **Agriculture Western Australia**

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity			
m		dS/m	Cmol (+)/kg							%

0.45 - 0.7	5B 6.1H	5B	2.72H	7.04	<0.02	0.72	0.02J			10.49D	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	GV	Particle CS	Size FS	Analysis Silt
		Clay									
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0.45 - 0.7 64									28.5I		7.5

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_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