

**Project Name:** Tonebridge land resources survey  
**Project Code:** TON **Site ID:** 0684 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

#### Site Information

**Desc. By:** Angela Stuart-Street  
**Date Desc.:** 04/11/98  
**Map Ref.:**  
**Northing/Long.:** 6227272 AMG zone: 50  
**Easting/Lat.:** 477437 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:** Level plain <9m <1%  
**Morph. Type:** Flat  
**Elem. Type:** Plain  
**Slope:** 0.5 %  
**Pattern Type:** Alluvial plain  
**Relief:** No Data  
**Slope Category:** No Data  
**Aspect:** No Data

#### Surface Soil Condition Soft

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

#### Soil Classification

**Australian Soil Classification:**  
 Ferric Mottled-Subnatric Yellow Sodosol  
**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); ; Loamy sand; Field pH 5.2 (pH meter);  
 A21 0.1 - 0.25 m Brown (10YR5/3-Moist); ; Loamy sand; Field pH 5.3 (pH meter);  
 A22 0.25 - 0.4 m Yellowish brown (10YR5/4-Moist); ; Clayey sand; 20-50%, medium gravelly, 6-20mm, subrounded,  
 Ironstone, coarse fragments; Field pH 5.3 (pH meter);  
 B21 0.4 - 0.6 m Light yellowish brown (2.5Y6/4-Moist); , 2.5Y62; , 10YR68; Sandy light clay;

#### Morphological Notes

#### Observation Notes

#### Site Notes

Site on broad open plain. Sample collected for sodicity analysis.

**Project Name:** Tonebridge land resources survey  
**Project Code:** TON **Site ID:** 0684 **Observation** 1  
**Agency Name:** Agriculture Western Australia

#### Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Na	Acidity			%
						Cmol (+)/kg				
0.4 - 0.6	5.9B 6.6H	12B	2.11A	3.76	0.02	0.73			6.62D	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	Clay %	mg/kg	%	%	%	Mg/m3	GV CS FS Silt
								%
0.4 - 0.6								40I
55.5								4.5

**Laboratory Analyses Completed for this profile**

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMd	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