

**Project Name:** Tonebridge land resources survey  
**Project Code:** TON **Site ID:** 0044 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

#### Site Information

<b>Desc. By:</b>	Henry Smolinski	<b>Locality:</b>	
<b>Date Desc.:</b>	09/10/96	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>		<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	6196274 AMG zone: 50	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	463138 Datum: AGD84	<b>Drainage:</b>	No Data

#### Geology

<b>ExposureType:</b>	Auger boring	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	No Data

#### Landform

**Rel/Slope Class:** Gently undulating rises 9-30m 1-3% **Pattern Type:** Plateau

<b>Morph. Type:</b>	Upper-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	No Data
<b>Slope:</b>	12 %	<b>Aspect:</b>	90 degrees

#### Surface Soil Condition

#### Erosion

#### Soil Classification

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Ferric Mesotrophic Red Chromosol		<b>Principal Profile Form:</b>	N/A
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	N/A
Confidence level not specified			

#### Site Disturbance

#### Vegetation

#### Surface Coarse Fragments

#### Profile Morphology

A11	0 - 0.1 m	Dark reddish brown (5YR3/3-Moist); ; Sandy loam; ; ; Field pH 6.5 (Raupach); Gradual change to -
A12	0.1 - 0.6 m	Red (2.5YR4/6-Moist); ; Sandy loam; ; ; 50-90%, rounded, Ironstone, coarse fragments; Field pH 6.5 (Raupach); Gradual change to -
B2	0.6 - 0.8 m	Red (2.5YR4/8-Moist); ; Clay loam; ; Granular; 20-50%, rounded, Ironstone, coarse fragments; Field pH 6 (Raupach);
	1.05 - 1.3 m	;

#### Morphological Notes

A11  
 A12  
 B2

#### Observation Notes

#### Site Notes

Meribup Rd--some ferruginous sandstone (lateritic--dark red)

**Project Name:** Tonebridge land resources survey  
**Project Code:** TON **Site ID:** 0044 **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				Cmol (+)/kg				%
0 - 0.1	4.4B 4.9H	18B	6.75H	1.06	0.38	0.15	1.53J		8.34D	
0.1 - 0.6	4.9B 5.8H	3B	1.45H	0.76	0.23	0.16	0.17J		2.6D	
0.6 - 0.8	5.5B 6.2H	5B	1.47H	3.27	0.29	0.23			5.26D	
1.05 - 1.3	3.8B 5.4H	5B	0.15H	7.9	0.16	1.65	3.02J		9.86D	

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 - 0.1		7.92D		640B				9.8
4.5								
0.1 - 0.6		0.78D		88B				11.5
14.3								
0.6 - 0.8		0.48D		43B				13.6
53.4								
1.05 - 1.3		0.2D		40B				14
54.5								

**Laboratory Analyses Completed for this profile**

15_NR_AL	Aluminium Cation - meq per 100g of soil - Not recorded
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_MN	Exchangeable bases (Mn2+) 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
4B_AL_NR	Aluminium in 1:5 soil/0.01M calcium chloride extract - method not recorded
4B1	pH of 1:5 soil/0.01M calcium chloride extract - direct
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
9A3	Total Phosphorus (ppm) - semimicro kjeldahl, automated colour
9H1	Anion storage capacity
P10_1m2m	1000 to 2000u particle size analysis, (method not recorded)
P10_20_75	20 to 75u particle size analysis, (method not recorded)
P10_75_106	75 to 106u particle size analysis, (method not recorded)
P10_NR_C	Clay (%) - Not recorded
P10_NR_Saa	Sand (%) - Not recorded arithmetic difference, auto generated
P10_NR_Z	Silt (%) - Not recorded
P10106_150	106 to 150u particle size analysis, (method not recorded)
P10150_180	150 to 180u particle size analysis, (method not recorded)
P10180_300	180 to 300u particle size analysis, (method not recorded)
P10300_600	300 to 600u particle size analysis, (method not recorded)
P106001000	600 to 1000u particle size analysis, (method not recorded)