

Project Name: Tonebridge land resources survey
Project Code: TON **Site ID:** 0122 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By:	Henry Smolinski	Locality:	
Date Desc.:	12/02/97	Elevation:	No Data
Map Ref.:		Rainfall:	No Data
Northing/Long.:	6209973 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	472518 Datum: AGD84	Drainage:	No Data

Geology

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

Landform

Rel/Slope Class:	No Data	Pattern Type:	No Data
Morph. Type:	Simple-slope	Relief:	No Data
Elem. Type:	Bench	Slope Category:	No Data
Slope:	5 %	Aspect:	No Data

Surface Soil Condition

Erosion

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Basic Arenic Yellow-Orthic Tenosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	N/A
Confidence level not specified			

Site Disturbance

Vegetation

Surface Coarse Fragments

Profile Morphology

A11	0 - 0.1 m	Very dark grey (10YR3/1-Moist); ; Sand; Single grain grade of structure; Field pH 6 (Raupach);
A12	0.1 - 0.3 m	Yellowish brown (10YR5/8-Moist); , 10YR82, 2-10% ; Sand; Single grain grade of structure; Field pH 6.5 (Raupach);
A13	0.3 - 0.6 m	Brownish yellow (10YR6/8-Moist); , 10YR82, 10-20% ; Sand; Single grain grade of structure; Field pH 6.5 (Raupach);
B2g	1.1 - 1.4 m	White (10YR8/2-Moist); , 10YR86, 10-20% ; Fine sand; Single grain grade of structure; Field pH 6.5 (Raupach);

Morphological Notes

A11	Organic medium to coarse sand
A12	Medium to coarse sand
A13	Medium to coarse sand
B2g	Fine to medium sand

Observation Notes

Site Notes

Few ferruginous segregations in the vicinity

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Laboratory Test Results:

Depth m	pH	1:5 EC dS/m	Ca	Exchangeable Mg	Cations K	Na Cmol (+)/kg	Exchangeable Acidity	CEC	ECEC	ESP %
0 - 0.1	4.4B 5.9H	2B	1.92H	0.69	0.06	0.04	0.3J		2.71D	
0 - 0.1	4.4B 5.9H	2B	1.92H	0.69	0.06	0.04	0.3J		2.71D	
0 - 0.1	4.4B 5.9H	2B	1.92H	0.69	0.06	0.04	0.3J		2.71D	
0.1 - 0.3	5.3B 6.4H	1B	0.09H	0.08	<0.02	0.04			0.22D	
0.1 - 0.3	5.3B 6.4H	1B	0.09H	0.08	<0.02	0.04			0.22D	
0.1 - 0.3	5.3B 6.4H	1B	0.09H	0.08	<0.02	0.04			0.22D	
0.3 - 0.6	5.7B 6.7H	1B	0.07H	0.11	<0.02	<0.02			0.2D	
0.3 - 0.6	5.7B 6.7H	1B	0.07H	0.11	<0.02	<0.02			0.2D	
0.3 - 0.6	5.7B 6.7H	1B	0.07H	0.11	<0.02	<0.02			0.2D	
1.1 - 1.4	5.9B 7.3H	2B	0.2A	0.48	0.04	0.13			0.85D	
1.1 - 1.4	5.9B 7.3H	2B	0.2A	0.48	0.04	0.13			0.85D	
1.1 - 1.4	5.9B 7.3H	2B	0.2A	0.48	0.04	0.13			0.85D	

Depth m	CaCO3 %	Organic C Clay %	Avail. P mg/kg	Total P %	Total N %	Total K %	Bulk Density Mg/m3	Particle GV	Size CS	Analysis FS	Silt
0 - 0.1 2.4		1.55D		45B	0.052E						0.8
0 - 0.1 2.4		1.55D		45B	0.052E						0.8
0 - 0.1 2.4		1.55D		45B	0.052E						0.8
0.1 - 0.3 1.1		0.1D		26B	0.005E						0
0.1 - 0.3 1.1		0.1D		26B	0.005E						0
0.1 - 0.3 1.1		0.1D		26B	0.005E						0
0.3 - 0.6 1.3		0.1D		28B	0.003E						0
0.3 - 0.6 1.3		0.1D		28B	0.003E						0
0.3 - 0.6 1.3		0.1D		28B	0.003E						0
1.1 - 1.4 4.2		0.09D		27B	0.003E						0.4
1.1 - 1.4 4.2		0.09D		27B	0.003E						0.4
1.1 - 1.4 4.2		0.09D		27B	0.003E						0.4

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_CMRR 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
15_NR_NA	Exch. basic cations (Na++) - meq per 100g of soil - Not recorded

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15A1_CA for soluble	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15A1_CEC	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_K for soluble	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15A1_MG for soluble	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15A1_NA for soluble	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15E1_AL	Exchangeable Al - by compulsive exchange, no pretreatment for soluble salts
15E1_CA salts	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,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 (Mn ²⁺) 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
15L1_a Sum of Cations	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using 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
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
7A1	Total nitrogen - semimicro Kjeldahl, steam distillation
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_gt2m	> 2mm 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)