Project Name: **Tonebridge land resources survey**
Project Code: **TON** **Site ID:** **0120** **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.:	6207634 AMG zone: 50	**Runoff:**	No Data
Easting/Lat.:	472842 Datum: AGD84	**Drainage:**	No Data

Geology

ExposureType:	Existing vertical exposure	**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:	No Data	**Relief:**	No Data
Elem. Type:	No Data	**Slope Category:**	No Data
Slope:	%	**Aspect:**	No Data

Surface Soil Condition

Erosion

Soil Classification

Australian Soil Classification:
Bleached-Ferric Mesotrophic Red Chromosol

ASC Confidence:
Confidence level not specified

Mapping Unit: N/A
Principal Profile Form: N/A
Great Soil Group: N/A

Site Disturbance

Vegetation

Surface Coarse Fragments

Profile Morphology

A11 0 - 0.15 m Dark greyish brown (10YR4/2-Moist); ; Sandy loam; Weak grade of structure, 20-50 mm, Granular; 50-90%, coarse gravelly, 20-60mm, subrounded, Ironstone, coarse fragments; Field pH 6.5 (Raupach); Gradual change to -

A12 0.15 - 0.6 m Brown (7.5YR5/4-Moist); ; 2-5 mm, ; 50-90%, angular, Ironstone, coarse fragments; Field pH 6.5 (Raupach);

B2t 0.6 - 0.9 m Red (2.5YR4/6-Moist); , 10YR72, 20-50% ; , 10YR76, 2-10% ; Medium clay; Moderate grade of structure, 200-500 mm, Angular blocky; Field pH 6.5 (Raupach);

Morphological Notes

Observation Notes

Site Notes

Low rise within FH4--more gravelly with depth

Project Name: Tonebridge land resources survey
Project Code: TON Site ID: 0120 Observation 1
Agency Name: Agriculture Western Australia

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 - 0.15	5.4B 6.6H	4B	7.69H	2.35	0.3	0.17	0.09J		10.51D	
0 - 0.15	5.4B 6.6H	4B	7.69H	2.35	0.3	0.17	0.09J		10.51D	
0 - 0.15	5.4B 6.6H	4B	7.69H	2.35	0.3	0.17	0.09J		10.51D	
0.15 - 0.6	5.5B 7H	2B	1.62A	0.77	0.24	0.08			2.71D	
0.15 - 0.6	5.5B 7H	2B	1.62A	0.77	0.24	0.08			2.71D	
0.15 - 0.6	5.5B 7H	2B	1.62A	0.77	0.24	0.08			2.71D	
0.6 - 0.9	5.4B 6.4H	6B	2.28H	4.3	0.1	0.29	0.03J		6.97D	
0.6 - 0.9	5.4B 6.4H	6B	2.28H	4.3	0.1	0.29	0.03J		6.97D	
0.6 - 0.9	5.4B 6.4H	6B	2.28H	4.3	0.1	0.29	0.03J		6.97D	
0.6 - 0.9	5.4B 6.4H	6B	2.28H	4.3	0.1	0.29	0.03J		6.97D	

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 - 0.15 6		3.53D		150B	0.148E						5.3
0 - 0.15 6		3.53D		150B	0.148E						5.3
0 - 0.15 6		3.53D		150B	0.148E						5.3
0.15 - 0.6 6.2		0.72D		57B	0.028E						3.6
0.15 - 0.6 6.2		0.72D		57B	0.028E						3.6
0.15 - 0.6 6.2		0.72D		57B	0.028E						3.6
0.6 - 0.9 63.5		0.98D		44B	0.034E						13.5
0.6 - 0.9 63.5		0.98D		44B	0.034E						13.5
0.6 - 0.9 63.5		0.98D		44B	0.034E						13.5
0.6 - 0.9 63.5		0.98D		44B	0.034E						13.5

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
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
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

Project Name: **Tonebridge land resources survey**
Project Code: **TON** **Site ID:** **0120** **Observation** **1**
Agency Name: **Agriculture Western Australia**

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
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
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)