Project Name: **Tonebridge land resources survey**
Project Code: **TON** **Site ID:** **0150** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By:	Henry Smolinski	**Locality:**	
Date Desc.:	13/02/97	**Elevation:**	No Data
Map Ref.:		**Rainfall:**	No Data
Northing/Long.:	6200468 AMG zone: 50	**Runoff:**	No Data
Easting/Lat.:	490592 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:**	Hills
Morph. Type:	Mid-slope	**Relief:**	No Data
Elem. Type:	Hillslope	**Slope Category:**	No Data
Slope:	3 %	**Aspect:**	0 degrees

Surface Soil Condition

Erosion

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

Vegetation

Surface Coarse Fragments

Profile Morphology

A11 0 - 0.1 m Dark yellowish brown (10YR4/4-Moist); ; Clayey fine sand; Single grain grade of structure; Sandy (grains prominent) fabric; 50-90%, Igneous rock (unidentified), coarse fragments; Field pH 6 (Raupach); Clear, Smooth change to -

A2 0.1 - 0.25 m Yellowish brown (10YR5/4-Moist); ; Loamy fine sand; Massive grade of structure; Sandy (grains prominent) fabric; 50-90%, Igneous rock (unidentified), coarse fragments; Field pH 6.2 (Raupach); Abrupt, Wavy change to -

B2t 0.25 - 0.6 m Yellowish brown (10YR5/8-Moist); , 2.5Y63, 2-10% , Faint; Light clay; 200-500 mm, Angular blocky; 2-5 mm; Smooth-ped fabric; 2-10%, Ironstone, coarse fragments; Field pH 6.5 (Raupach);

Morphological Notes

A11 Organic gravelly clayey fine sand

Observation Notes

Site Notes

Sampled--mid to lower slope--gneiss or banded sedimentary rock--IG=quartz dolerite--IS=black ironstone subrounded pisolites

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Project Code: TON **Site ID:** 0150 **Observation** 1
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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 - 0.1	4.7B 5.6H	10B	2.56H	1.82	0.2	0.41	0.21J		4.99D	
0 - 0.1	4.7B 5.6H	10B	2.56H	1.82	0.2	0.41	0.21J		4.99D	
0 - 0.1	4.7B 5.6H	10B	2.56H	1.82	0.2	0.41	0.21J		4.99D	
0.1 - 0.25	5B 6.7H	3B	0.94H	1.02	0.1	0.3	0.06J		2.36D	
0.1 - 0.25	5B 6.7H	3B	0.94H	1.02	0.1	0.3	0.06J		2.36D	
0.1 - 0.25	5B 6.7H	3B	0.94H	1.02	0.1	0.3	0.06J		2.36D	
0.25 - 0.6	5.4B 6.6H	5B	3.07H	7.38	0.1	1.23	0.04J		11.78D	
0.25 - 0.6	5.4B 6.6H	5B	3.07H	7.38	0.1	1.23	0.04J		11.78D	
0.25 - 0.6	5.4B 6.6H	5B	3.07H	7.38	0.1	1.23	0.04J		11.78D	
0.25 - 0.6	5.4B 6.6H	5B	3.07H	7.38	0.1	1.23	0.04J		11.78D	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis GV	CS	FS	Silt
		Clay									
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.1		1.6D		110B	0.08E						5.6
11.2											
0 - 0.1		1.6D		110B	0.08E						5.6
11.2											
0 - 0.1		1.6D		110B	0.08E						5.6
11.2											
0.1 - 0.25		0.38D		62B	0.017E						12.7
7.9											
0.1 - 0.25		0.38D		62B	0.017E						12.7
7.9											
0.1 - 0.25		0.38D		62B	0.017E						12.7
7.9											
0.25 - 0.6		0.26D		59B	0.026E						11.2
64.3											
0.25 - 0.6		0.26D		59B	0.026E						11.2
64.3											
0.25 - 0.6		0.26D		59B	0.026E						11.2
64.3											
0.25 - 0.6		0.26D		59B	0.026E						11.2
64.3											

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
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

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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)