Project Name: **Wellington Blackwood land resources survey**
Project Code: **WBW** **Site ID:** **0988** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By:	Peter Tille	**Locality:**	
Date Desc.:	16/11/92	**Elevation:**	No Data
Map Ref.:		**Rainfall:**	No Data
Northing/Long.:	6266531 AMG zone: 50	**Runoff:**	No Data
Easting/Lat.:	396539 Datum: AGD84	**Drainage:**	Imperfectly drained

Geology

ExposureType:	No Data	**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:	No Data	**Slope Category:**	No Data
Slope:	3 %	**Aspect:**	No Data

Surface Soil Condition

Loose

Erosion

Soil Classification

Australian Soil Classification:
N/A

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

Profile Morphology

Ap 0 - 0.2 m Dark grey (10YR4/1-Moist); ; Loamy sand; Weak grade of structure, ; Sandy (grains prominent) fabric;
Moist; Field pH 5.8 (pH meter); Sharp change to -

A12e 0.2 - 0.3 m Grey (10YR5/1-Moist); ; Sand; Weak grade of structure; Sandy (grains prominent) fabric; Moist; Field
pH 5.6 (pH meter); Gradual change to -

A2 0.3 - 0.5 m Grey (10YR6/1-Moist); , 10YR73, 20-50% ; Sand; Weak grade of structure; Sandy (grains prominent)
fabric; Moist; Field pH 5.8 (pH meter); Gradual change to -

A21 0.5 - 0.85 m Brown (10YR5/3-Moist); , 10YR62, 10-20% ; Weak grade of structure; Sandy (grains prominent) fabric;
Moist; 50-90%, cobbly, 60-200mm, Ironstone, coarse fragments; Field pH 5.4 (pH meter); Abrupt change
to -

Bhs 0.85 - 1.5 m Brown (7.5YR4/2-Moist); ; Loamy sand; Weak grade of structure; Moderate grade of structure; Wet; Field
pH 5 (pH meter);

Bs 1.5 - m Brownish yellow (10YR6/6-Moist); , 10-20% , Faint; Wet; Field pH 4.8 (pH meter);

Morphological Notes

Ap	moderate omc; sand fraction f-m
A12e	light omc; sand fraction f-m
A2	sand fraction f-m
A21	sand fraction f-m
Bhs	heavy omc
Bs	brown mottles

Observation Notes

Site Notes

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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 - 0.2	4.3B 5.1H	7B	4.44H	0.35	0.12	0.05	0.29J		4.96D	
0.2 - 0.3	4.2B 4.9H	6B	3.87H	0.09	0.04	<0.02	0.36J		4.01D	
0.3 - 0.5	3.8B 4.6H	2B	0.52H	0.02	0.02	<0.02	0.28J		0.57D	
0.5 - 0.8	4B 4.6H	1B	0.11H	<0.02	<0.02	<0.02	0.23J		0.14D	
0.8 - 1.2	4.3B 4.7H	3B	0.3H	<0.02	0.04	<0.02	1.46J		0.36D	
1.2 - 1.5	4.2B 4.7H	3B	0.53H	<0.02	0.04	<0.02	1.48J		0.59D	
1.5 - 1.8	4.6B 4.7H	2B	0.06H	<0.02	<0.02	<0.02	0.44J		0.09D	

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 - 0.2 0.7		1.97D		110B	0.092E						2.7
0.2 - 0.3 0.6		1.88D		100B	0.076E						3.6
0.3 - 0.5 0.8		0.42D		42B	0.016E						2.5
0.5 - 0.8 1		0.16D		61B	0.011E						2.1
0.8 - 1.2 2.3		1.13D		360B	0.045E						4.8
1.2 - 1.5 1.5		1.19D		400B	0.049E						3.7
1.5 - 1.8 2.5		0.39D		57B	0.026E						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
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
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_NR_C	Clay (%) - Not recorded

P10_NR_Saa	Sand (%) - Not recorded arithmetic difference, auto generated

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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)