

**Project Name:** Wellington Blackwood land resources survey  
**Project Code:** WBW **Site ID:** 0992 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

#### Site Information

<b>Desc. By:</b>	Peter Tille	<b>Locality:</b>	
<b>Date Desc.:</b>	17/12/92	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>		<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	6263564 AMG zone: 50	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	403104 Datum: AGD84	<b>Drainage:</b>	Poorly drained

#### Geology

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

#### Landform

<b>Rel/Slope Class:</b>	No Data	<b>Pattern Type:</b>	No Data
<b>Morph. Type:</b>	No Data	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	No Data	<b>Slope Category:</b>	No Data
<b>Slope:</b>	%	<b>Aspect:</b>	No Data

#### 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
All necessary analytical data are available.			

#### Site Disturbance

#### Vegetation

#### Surface Coarse Fragments

#### Profile Morphology

A1	0 - 0.15 m	Dark reddish brown (5YR3/3-Moist); ; Fine sandy loam; Weak grade of structure, ; Sandy (grains prominent) fabric; Moist; 2-10%, fine gravelly, 2-6mm, Ironstone, coarse fragments; Clear change to -
A3	0.15 - 0.35 m	Red (2.5YR4/6-Moist); ; Sandy loam; Weak grade of structure, ; Sandy (grains prominent) fabric; Moist; 50-90%, medium gravelly, 6-20mm, Ironstone, coarse fragments; 0-2%, Quartz, coarse fragments; Gradual change to -
B1	0.35 - 0.65 m	Red (2.5YR4/6-Moist); ; Clayey coarse sand; Weak grade of structure, ; Moderate grade of structure; Sandy (grains prominent) fabric; Moist; 50-90%, medium gravelly, 6-20mm, Ironstone, coarse fragments; Gradual change to -
B21	0.65 - 0.95 m	Red (2.5YR4/8-Moist); ; 7.5YR58, 20-50% ; Light clay; Moderate grade of structure; Smooth-ped fabric; Moist; 20-50%, Ironstone, coarse fragments; Clear change to -
B22	0.95 - 1.1 m	Red (2.5YR4/8-Moist); ; 20-50% ; Silty medium clay; ; Prismatic; Rough-ped fabric; Moist;
C	1.1 - 1.3 m	Light red (2.5YR7/6-Moist); ;

#### Morphological Notes

B22	MOTTLES - Orange,yellow,grey
C	ROCK -

#### Observation Notes

#### Site Notes

ROCK SHISTOSE MICA

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**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 - 0.15	5.1B 5.8H	17B	6.88H	1.23	1.17	0.26	0.32J		9.54D	
0.15 - 0.35	5.1B 6H	4B	2.34H	0.72	0.43	0.08	0.13J		3.57D	
0.35 - 0.65	5.4B 6.2H	2B	1.55H	0.97	0.27	0.05	<0.02J		2.84D	
0.65 - 0.95	5.7B 6.3H	4B	0.85H	1.61	0.18	0.15	<0.02J		2.79D	
0.95 - 1.1	5B 5.6H	11B	0.41H	3.51	0.04	0.75	<0.02J		4.71D	
1.3 - 1.3	4B 5.6H	7B	0.38H	12.21	<0.02	3.96	2.73J		16.56D	

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV CS FS Silt
0 - 0.15		5.55D		960B	0.378E			9.9
4.1								
0.15 - 0.35		0.85D		170B	0.057E			7.3
12.8								
0.35 - 0.65		0.44D		120B	0.03E			8.1
16.9								
0.65 - 0.95		0.22D		99B	0.018E			9.1
27.7								
0.95 - 1.1		0.17D		47B	0.013E			8.8
48.6								
1.3 - 1.3		0.1D		32B	0.009E			9.3
17.2								

**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
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)



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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)