

Project Name: Wellington Blackwood land resources survey
Project Code: WBW **Site ID:** 0991 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By:	Peter Tille	Locality:	
Date Desc.:	17/12/92	Elevation:	No Data
Map Ref.:		Rainfall:	No Data
Northing/Long.:	6263820 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	402593 Datum: AGD84	Drainage:	No Data

Geology

ExposureType:	Undisturbed soil core	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:		Mapping Unit:	N/A
Haplic Mesotrophic Red Kandosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	N/A
Analytical data are incomplete but reasonable confidence.			

Site Disturbance

Vegetation

Surface Coarse Fragments

Profile Morphology

Ap	0 - 0.15 m	Dark reddish brown (5YR3/3-Moist); ; Sandy loam; Moderate grade of structure, ; Moist; Field pH 6.1
		(Raupach); Clear change to -
A3	0.15 - 0.25 m	Dark reddish brown (5YR3/4-Moist); ; Sandy clay loam; Earthy fabric; Moist; Field pH 5.8 (Raupach);
		Gradual change to -
B21	0.25 - 0.7 m	Red (2.5YR4/6-Moist); ; Sandy light clay; Earthy fabric; Moist; Field pH 5.9 (Raupach);
B22	0.7 - 0.9 m	Red (2.5YR4/6-Moist); ; Light clay; Earthy fabric; Moist; Field pH 6.5 (Raupach);
B23	0.9 - 1.1 m	Red (2.5YR4/6-Moist); ; Light clay; Earthy fabric; Moist; Field pH 6.2 (Raupach);
Dg	1.1 - 1.3 m	Red (2.5YR4/6-Moist); ;
D	1.3 - 1.6 m	Red (2.5YR5/8-Moist); ;

Morphological Notes

B22	Hard Layer
D	Rocks

Observation Notes

Site Notes

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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	5B	6B	4.85H	0.42	0.18	0.07	0.56J		5.52D	
	5.6H									
0.15 - 0.25	5.4B	2B	5.63H	1.19	0.32	0.2	0.04J		7.34D	
	6.3H									
0.3 - 0.6	5.6B	3B	4H	1.21	0.36	0.12	0.02J		5.69D	
	6.4H									
0.6 - 0.9	6.1B	3B	3.01A	2.09	0.16	0.14			5.4D	
	6.7H									
0.9 - 1.2	6.2B	3B	2.65A	2.25	0.19	0.12			5.21D	
	6.8H									
1.2 - 1.5	6.4B	3B	2.37A	2.28	0.26	0.12			5.03D	
	7H									

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size	Analysis
m	%	Clay %	mg/kg	%	%	%	Mg/m3	GV CS FS	Silt
0 - 0.15		4.78D		820B	0.296E				11.7
0.15 - 0.25		1.27D		210B	0.084E				15.1
0.3 - 0.6		0.58D		130B	0.046E				11.6
0.6 - 0.9		0.34D		97B	0.022E				11.4
0.9 - 1.2		0.31D		92B	0.019E				11.4
1.2 - 1.5		0.32D		97B	0.022E				11

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMV	Exchangeable bases (Ca/Mg ratio) - 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	
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
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

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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)
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)