

Project Name: Wellington Blackwood land resources survey
Project Code: WBW **Site ID:** 1195 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By:	John-Paul Van Moort	Locality:	
Date Desc.:	12/11/93	Elevation:	No Data
Map Ref.:		Rainfall:	No Data
Northing/Long.:	6257759 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	448879 Datum: AGD84	Drainage:	Well drained

Geology

ExposureType:	Soil pit	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:	Upper-slope	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	3 %	Aspect:	No Data

Surface Soil Condition Soft

Erosion

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
N/A		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	N/A
Confidence level not specified			

Site Disturbance No effective disturbance. Natural

Vegetation

Surface Coarse Fragments 2-10%, medium gravelly, 6-20mm, , Ironstone

Profile Morphology

A1	0 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); ; Sandy loam; Weak grade of structure, ; Dry;
2-10%, medium		gravelly, 6-20mm, coarse fragments; Clear change to -
A2	0.1 - 0.6 m	Very pale brown (10YR7/3-Moist); ; Sandy loam; Weak grade of structure, Granular;
Sandy (grains		prominent) fabric; Dry; 50-90%, medium gravelly, 6-20mm, coarse fragments; Gradual
change to -		
A3	0.6 - 0.8 m	Very pale brown (10YR7/4-Moist); ; Coarse sand; Weak grade of structure, Polyhedral;
Dry; 50-90%,		medium gravelly, 6-20mm, coarse fragments; Clear change to -
B1	0.8 - 1.2 m	Yellow (10YR7/8-Moist); , 2-10% ; Light clay; Weak grade of structure, Polyhedral;
Moderately moist;		
B2	1.2 - 1.5 m	Yellow (10YR7/8-Moist); ; Medium clay; Weak grade of structure, Polyhedral; Moist;
	1.6 - 1.8 m	;

Morphological Notes

B1 MOTTLE COLOUR RED. VERY HARD.

Observation Notes

Site Notes

Grazing

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Cations	Na	Exchangeable	CEC	ECEC	ESP
m		dS/m		Mg K	cmol (+)/kg	Acidity			%

0 - 0.1	5.2B 6.1H	6B	5.17H	1.03	0.3	0.1	0.1J	6.6D
0.25 - 0.45	5.1B 6.1H	2B	0.6H	0.17	0.07	0.02	0.09J	0.86D
0.6 - 0.8	5.2B 6.2H	2B	0.84H	0.49	0.12	0.03	0.05J	1.48D
0.9 - 1.1	6B 6.2H	2B	0.7H	1.9	0.08	0.1	<0.02J	2.78D
1.2 - 1.4	5.9B 5.9H	2B	0.4H	2.18	<0.02	0.1	<0.02J	2.69D
1.6 - 1.8	4.9B 5.4H	3B	0.24H	2.49	<0.02	0.11	0.05J	2.85D

Depth	CaCO ₃	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	%	mg/kg	%	%	%	Mg/m ³	GV CS FS Silt
0 - 0.1 3.2		2.53D		260B	0.171E			3.5
0.25 - 0.45 4.7		0.31D		48B	0.022E			2.4
0.6 - 0.8 10.7		0.29D		62B	0.023E			3.5
0.9 - 1.1 48.3		0.12D		53B	0.01E			7.3
1.2 - 1.4 42.5		0.07D		51B	0.006E			11.5
1.6 - 1.8 42.3		0.13D		50B	0.008E			13.6

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMJR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15E1_AL	Exchangeable Al - by compulsive exchange, no pretreatment for soluble salts
15E1_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,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 (Mn ²⁺) 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)