

Project Name: Wellington Blackwood land resources survey
Project Code: WBW **Site ID:** 1197 **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.:	6257581 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	448906 Datum: AGD84	Drainage:	No Data

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:	6 %	Aspect:	No Data

Surface Soil Condition

Erosion

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Red Chromosol		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

Profile Morphology

A1	0 - 0.1 m	Dark greyish brown (10YR4/2-Moist); ; Loamy sand; Weak grade of structure, ; Sandy (grains prominent)
		fabric; 10-20%, medium gravelly, 6-20mm, Ironstone, coarse fragments; Water repellent;
A3	0.1 - 0.5 m	Light yellowish brown (10YR6/4-Moist); ; Loamy sand; Weak grade of structure, Granular; Sandy (grains
		prominent) fabric; 50-90%, medium gravelly, 6-20mm, Ironstone, coarse fragments;
		Water repellent;
B1	0.5 - 0.65 m	Brown (7.5YR5/4-Moist); ; Loamy sand; Massive grade of structure, Granular; Sandy (grains prominent)
		fabric; 50-90%, medium gravelly, 6-20mm, Ironstone, coarse fragments;
B21	0.65 - 0.8 m	Red (2.5YR4/8-Moist); , 10YR66, 20-50% ; Coarse sandy light clay; Massive grade of structure, Platy;
		Smooth-ped fabric; 20-50%, medium gravelly, 6-20mm, subangular, Ironstone, coarse fragments;
B22	0.8 - 1.6 m	Red (2.5YR4/8-Moist); , 7.5YR66, 20-50% ; Coarse sandy light clay; Massive grade of structure, Platy;
		Smooth-ped fabric; 10-20%, medium gravelly, 6-20mm, Ironstone, coarse fragments;

Morphological Notes

A3	SOME BIG PIECES OF GRAVEL
B1	SMALLER GRAVEL THAN HORIZON ABOVE
B21	VERY HARD

Observation Notes

Site Notes

Pasture. Granite outcrop nearby

Project Name: Wellington Blackwood land resources survey
Project Code: WBW **Site ID:** 1197 **Observation** 1
Agency Name: Agriculture Western Australia

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 - 0.1	5.4B 6.1H	7B	6.98H	1.05	0.19	0.06	0.06J		8.28D	
0.2 - 0.4	5.1B 6H	1B	0.86H	0.16	0.05	<0.02	0.1J		1.08D	
0.5 - 0.65	5.5B 6.4H	2B	1.42H	0.51	0.13	0.04	<0.02J		2.1D	
0.65 - 0.85	5.7B 6H	4B	0.94H	1.06	0.14	0.11	<0.02J		2.25D	
1 - 1.2	4.2B 4.3H	8B	0.16H	0.49	0.03	0.11	1.01J		0.79D	

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 - 0.1		2.84D		330B	0.185E			2.5
1.8								
0.2 - 0.4		0.32D		40B	0.02E			2.4
3.5								
0.5 - 0.65		0.33D		50B	0.022E			2.9
7.6								
0.65 - 0.85		0.23D		59B	0.009E			5.5
17								
1 - 1.2		0.24D		58B	0.009E			8.2
17.3								

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 (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)
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)