

Project Name: Wellington Blackwood land resources survey
Project Code: WBW **Site ID:** 1203 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By:	Peter Tille	Locality:	
Date Desc.:	23/11/93	Elevation:	No Data
Map Ref.:		Rainfall:	No Data
Northing/Long.:	6275187 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	389322 Datum: AGD84	Drainage:	No Data

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:	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
N/A		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	N/A
Confidence level not specified			

Site Disturbance

Vegetation

Surface Coarse Fragments

Profile Morphology

A1	0 - 0.07 m	Very dark grey (10YR3/1-Moist); ; Sandy loam; Massive grade of structure, ; Dry; 2-10%, medium
		gravelly, 6-20mm, angular, Quartz, coarse fragments; Field pH 5.5 (Raupach);
A3	0.07 - 0.15 m	Strong brown (7.5YR4/6-Moist); ; Sandy clay loam; Massive grade of structure, ; Moist; 10-20%, medium
		gravelly, 6-20mm, subangular, Quartz, coarse fragments; Field pH 5.5 (Raupach);
B1	0.15 - 0.4 m	Brown (7.5YR4/4-Moist); ; Sandy light clay; , Granular; 2-10%, medium gravelly, 6-20mm, angular,
		Quartz, coarse fragments; Field pH 5.5 (Raupach);
B2	0.4 - 0.55 m	Yellowish brown (10YR5/6-Moist); ; Sandy light clay; 10-20%, medium gravelly, 6-20mm, angular,
		Quartz, coarse fragments; Field pH 5.5 (Raupach);
B3	0.55 - 1.1 m	, 2-10% ; Sandy clay loam; 10-20%, angular, Quartz, coarse fragments; Field pH 5.5 (Raupach);

Morphological Notes

B1	FRIABLE - ROCK FABRIC
B3	WEATHERED ROCK. MOTTLE COLOURS RUSTY & WHITE. BECOMES HARDER - WEATHERED GNEISS

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 - 0.07	4.4B 5.2H	9B	5.44H	0.97	0.48	0.13	0.9J		7.02D	
0.07 - 0.15	4.3B 5.1H	4B	2.44H	0.76	0.32	0.07	1.67J		3.59D	
0.15 - 0.4	4.4B 5.2H	4B	2.58H	1.67	0.19	0.08	1.72J		4.52D	
0.4 - 0.55	4.4B 5.2H	4B	1.93H	2.12	0.24	0.1	1.92J		4.39D	
0.55 - 0.85	4.4B 5.3H	3B	1.6H	2.44	<0.02	0.1	2.08J		4.15D	

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 - 0.07		5.32D		490B	0.395E			8
5.8								
0.07 - 0.15		1.92D		130B	0.11E			9.5
13.8								
0.15 - 0.4		0.93D		77B	0.061E			12.1
36								
0.4 - 0.55		0.66D		76B	0.052E			12.9
29.2								
0.55 - 0.85		0.25D		42B	0.024E			16.1
14.6								

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)
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)