

Project Name: Wellington Blackwood land resources survey
Project Code: WBW **Site ID:** 1080 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By:	Peter Tille	Locality:	
Date Desc.:	28/01/93	Elevation:	No Data
Map Ref.:		Rainfall:	No Data
Northing/Long.:	6303921 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	427586 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:	4 %	Aspect:	No Data

Surface Soil Condition Loose

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 Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation

Surface Coarse Fragments 20-50%, medium gravelly, 6-20mm, , Ironstone

Profile Morphology

A1	0 - 0.1 m	Dark grey (10YR4/1-Moist); ; Sandy loam; Weak grade of structure, ; Sandy (grains prominent) fabric; Dry; 20-50%, coarse gravelly, 20-60mm, rounded, Ironstone, coarse fragments; Water repellent; Clear change to -
A3	0.1 - 0.5 m	Light yellowish brown (2.5Y6/4-Moist); ; Sandy loam; Weak grade of structure, Granular; Sandy (grains prominent) fabric; Moderately moist; 50-90%, coarse gravelly, 20-60mm, subrounded, Ironstone, coarse fragments; Gradual change to -
B1	0.5 - 0.8 m	Yellow (10YR7/6-Moist); , 2-10% , Faint; Coarse sandy light clay; Massive grade of structure, Polyhedral; Rough-ped fabric; Moderately moist; 50-90%, coarse gravelly, 20-60mm, Ironstone, coarse fragments; ManyClear change to -
B21	0.8 - 1.2 m	Very pale brown (10YR8/4-Moist); , 20-50% , Distinct; Medium clay; Moderate grade of structure, Polyhedral; Smooth-ped fabric; Moderately moist; 0-2%, fine gravelly, 2-6mm, subangular, Ironstone, coarse fragments; Gradual change to -
B22	1.2 - 1.5 m	White (10YR8/2-Moist); , 20-50% , Faint; Light medium clay; Weak grade of structure, Polyhedral; Smooth-ped fabric; Moderately moist;

Morphological Notes

B1	MOTTLE COLOUR ORANGE
B21	MOTTLE COLOUR ORANGE
B22	MOTTLE COLOUR ORANGE

Observation Notes

Site Notes

Grazing (green cooch). Scattered laterite boulders.

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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 - 0.1	5B 5.6H	12B	11.03H	1.97	0.29	0.17	0.24J		13.46D	
0.1 - 0.5	4.8B 5.8H	1B	1.01H	0.34	0.02	0.02	0.18J		1.39D	
0.5 - 0.8	5B 5.9H	1B	0.32H	0.38	0.05	0.03	0.06J		0.78D	
0.8 - 1.2	5.9B 6H	1B	0.54H	1.6	0.04	0.06	0.05J		2.24D	
1.2 - 1.5	5.6B 5.8H	1B	0.28H	1.24	0.02	0.06	0.04J		1.6D	

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		6.61D		450B	0.474E			3
1.7								
0.1 - 0.5		0.42D		49B	0.025E			1.8
6.5								
0.5 - 0.8		0.14D		56B	0.013E			3.1
16.9								
0.8 - 1.2		0.1D		99B	0.008E			18.5
65								
1.2 - 1.5		0.05D		100B	0.006E			9.3
52.6								

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)