

Project Name: Northam (Avon District Agricultural Centre)
Project Code: ADA **Site ID:** 0010 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Ian Fulton
Date Desc.: 14/01/91
Map Ref.:
Northing/Long.: 6499200 AMG zone: 50
Easting/Lat.: 490700 Datum: AGD84
Locality:
Elevation: 225 metres
Rainfall: No Data
Runoff: No Data
Drainage: Poorly drained

Geology

ExposureType: Soil pit
Geol. Ref.: No Data
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: No Data

Land Form

Rel/Slope Class: No Data
Morph. Type: No Data
Elem. Type: Valley flat
Slope: 1 %
Pattern Type: Flood plain
Relief: 2 metres
Slope Category: No Data
Aspect: No Data

Surface Soil Condition Firm

Erosion:

Soil Classification

Australian Soil Classification: N/A
Mapping Unit: N/A
Principal Profile Form: Dy5.43
ASC Confidence: Confidence level not specified
Great Soil Group: N/A

Site No effective disturbance other than grazing by hoofed animals

Vegetation:

Surface Coarse

Profile

A1	0 - 0.09 m	Dark greyish brown (10YR4/2-Moist); , 0-0% ; Loamy sand; Weak grade of structure, <2 mm, ; Sandy
		(grains prominent) fabric; Abrupt change to -
A2	0.09 - 0.4 m	Light yellowish brown (10YR6/4-Moist); , 2-10% , 0-5mm, Distinct; Loamy sand; Single grain grade of
		structure; Sandy (grains prominent) fabric; Abrupt change to -
B2	0.4 - 0.73 m	Grey (10YR6/1-Moist); , 10-20% , 5-15mm, Distinct; Sandy light clay; Moderate grade of structure, 10-20
		mm, Polyhedral; Smooth-ped fabric; Sharp change to -
Bm	0.73 - 0.94 m	Grey (10YR6/1-Moist); , 10-20% , 5-15mm, Distinct; Sandy loam; Moderate grade of structure, 50-100
		mm, Polyhedral; Smooth-ped fabric; Silcrete, Moderately cemented, Massive; Sharp change to -
C	0.94 - 1.25 m	Light grey (10YR7/2-Moist); ; Sand; Single grain grade of structure;

Morphological Notes

Observation Notes

Site Notes

On Lower Slopes And Valley Floor [Horizons record no coarse frags but samples have much !!!]

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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 - 0.09	4B	535B							
	5.6H								
0 - 0.09	4B	535B							

	5.6H	
0.09 - 0.4	4.8B	47B
	5.5H	
0.09 - 0.4	4.8B	47B
	5.5H	
0.4 - 0.73	5.1B	150B
	5.6H	
0.4 - 0.73	5.1B	150B
	5.6H	
0.73 - 0.94	5.9B	108B
	6.3H	
0.73 - 0.94	5.9B	108B
	6.3H	
0.94 - 1.25	5.8B	177B
	6H	
0.94 - 1.25	5.8B	177B
	6H	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt
m	%	Clay %	mg/kg	%	%	%	Mg/m3			%	
0 - 0.09		2.21D								44.7	16
7.1											
0 - 0.09		2.21D								44.7	16
7.1											
0.09 - 0.4		0.16D								58.8	10.3
2.9											
0.09 - 0.4		0.16D								58.8	10.3
2.9											
0.4 - 0.73		0.32D								23.3	16.8
37.9											
0.4 - 0.73		0.32D								23.3	16.8
37.9											
0.73 - 0.94		0.05D								67.6	5.7
4.5											
0.73 - 0.94		0.05D								67.6	5.7
4.5											
0.94 - 1.25		0.06D								82.3	1.3
1.2											
0.94 - 1.25		0.06D								82.3	1.3
1.2											

Laboratory Analyses Completed for this profile

18_NR	Extractable potassium (not recorded)
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
9_E_NR	Phosphorus extractable - method not recorded
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_gt2m	> 2mm particle size analysis, (method not recorded)
P10_NR_C	Clay (%) - Not recorded

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P10_NR_Saa	Sand (%) - Not recorded arithmetic difference, auto generated
P10_NR_Z	Silt (%) - Not recorded
P10_PB_FS	Fine sand (%) - Plummert balance
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)
P102002000	200 to 2000u 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)