

**Project Name:** Northam (Avon District Agricultural Centre)  
**Project Code:** ADA **Site ID:** 0005 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

#### Site Information

<b>Desc. By:</b>	Ian Fulton	<b>Locality:</b>	
<b>Date Desc.:</b>	05/12/90	<b>Elevation:</b>	225 metres
<b>Map Ref.:</b>		<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	6505800 AMG zone: 50	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	542600 Datum: AGD84	<b>Drainage:</b>	Imperfectly drained

#### Geology

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

#### Land Form

<b>Rel/Slope Class:</b>	Level plain <9m <1%	<b>Pattern Type:</b>	Alluvial plain
<b>Morph. Type:</b>	No Data	<b>Relief:</b>	2 metres
<b>Elem. Type:</b>	Valley flat	<b>Slope Category:</b>	No Data
<b>Slope:</b>	0 %	<b>Aspect:</b>	No Data

#### Surface Soil Condition

#### Erosion:

#### Soil Classification

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

**Site** Extensive clearing, for example poisoning, ringbarking

#### Vegetation:

**Surface Coarse** No surface coarse fragments; No surface coarse fragments

#### Profile

A1	0 - 0.09 m	Dark greyish brown (10YR4/2-Moist); , 0-0% ; Sand; Single grain grade of structure; Sandy (grains)
A2	0.09 - 0.33 m	Light yellowish brown (10YR6/4-Moist); , 0-0% ; Clayey sand; Massive grade of structure; Sandy (grains)
B21	0.33 - 0.65 m	Yellow (10YR7/6-Moist); , 10-20% , 5-15mm, Distinct; Medium clay; Moderate grade of structure, 10-20
B22	0.65 - 0.95 m	Brownish yellow (10YR6/6-Moist); , 20-50% , 5-15mm, Distinct; Medium clay; Moderate grade of structure, 10-20 mm, Polyhedral; Smooth-ped fabric; Common (10 - 20 %), Calcareous, , ; Soil matrix is

Highly calcareous; Field pH 9 (pH meter);

#### Morphological Notes

#### Observation Notes

#### Site Notes

Layer 3 few clay skins; layer 4 few clay skins

**Project Name:** Northam (Avon District Agricultural Centre)  
**Project Code:** ADA **Site ID:** 0005 **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 - 0.09	6.8B	16B								
0 - 0.09	7.2H									
0 - 0.09	6.8B	16B								

	7.2H	
0.09 - 0.33	7.8B	16B
	8.6H	
0.09 - 0.33	7.8B	16B
	8.6H	
0.33 - 0.65	8.6B	153B
	9.1H	
0.33 - 0.65	8.6B	153B
	9.1H	
0.65 - 0.95	8.6B	161B
	9.2H	
0.65 - 0.95	8.6B	161B
	9.2H	

Depth	CaCO <sub>3</sub>	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	%	mg/kg	%	%	%	Mg/m <sup>3</sup>	GV CS FS Silt
0 - 0.09		1.63D						75 4.6
2.2								
0 - 0.09		1.63D						75 4.6
2.2								
0.09 - 0.33		0.24D						60.3 7
3.1								
0.09 - 0.33		0.24D						60.3 7
3.1								
0.33 - 0.65	<2C	0.14D						28.3 5.8
40.7								
0.33 - 0.65	<2C	0.14D						28.3 5.8
40.7								
0.65 - 0.95	3C	0.18D						26.7 8.2
41								
0.65 - 0.95	3C	0.18D						26.7 8.2
41								

#### Laboratory Analyses Completed for this profile

18_NR	Extractable potassium (not recorded)
19B_NR	Calcium Carbonate (CaCO <sub>3</sub> ) - Not recorded
3_NR	Electrical conductivity or soluble salts - Not recorded
4_NR	pH of soil - 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
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)

**Project Name:** Northam (Avon District Agricultural Centre)  
**Project Code:** ADA **Site ID:** 0005 **Observation** 1  
**Agency Name:** Agriculture Western Australia

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)