

**Project Name:** Northam (Avon District Agricultural Centre)  
**Project Code:** ADA **Site ID:** 0013 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

**Site Information**

<b>Desc. By:</b>	Ian Fulton	<b>Locality:</b>	
<b>Date Desc.:</b>	15/01/91	<b>Elevation:</b>	205 metres
<b>Map Ref.:</b>		<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	6535000 AMG zone: 50	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	453000 Datum: AGD84	<b>Drainage:</b>	Moderately well 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>	No Data	<b>Pattern Type:</b>	Flood 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** Firm

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>	N/A	<b>Mapping Unit:</b>	N/A
<b>ASC Confidence:</b>	Confidence level not specified	<b>Principal Profile Form:</b>	Gn2.1
		<b>Great Soil Group:</b>	N/A

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

**Vegetation:**

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

**Profile**

A11	0 - 0.14 m	Dark reddish brown (5YR3/4-Moist); , 0-0% ; Loamy sand; Massive grade of structure; Sandy (grains prominent) fabric;
A12	0.14 - 0.46 m	Dark reddish brown (5YR3/4-Moist); , 0-0% ; Loamy sand; Massive grade of structure; Sandy (grains prominent) fabric;
B21	0.46 - 0.62 m	Yellowish red (5YR4/6-Moist); , 0-0% ; Sandy loam; Massive grade of structure; Earthy fabric;
B22	0.62 - 0.95 m	Red (2.5YR4/6-Moist); , 10-20% , 15-30mm, Distinct; Sandy clay loam; Massive grade of structure; Earthy fabric;

**Morphological Notes**

**Observation Notes**

**Site Notes**

[duplex from lab data]

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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 - 0.13	5B	2B								
	6H									
0 - 0.13	5B	2B								
	6H									
0.14 - 0.46	4.8B	20B								
	5.2H									
0.14 - 0.46	4.8B	20B								
	5.2H									

0.46 - 0.62	5.3B	37B
	5.7H	
0.46 - 0.62	5.3B	37B
	5.7H	
0.62 - 0.8	7.4B	104B
	7.8H	
0.62 - 0.8	7.4B	104B
	7.8H	
0.8 - 0.95	7.7B	92B
	8.2H	
0.8 - 0.95	7.7B	92B
	8.2H	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis	GV	CS	FS	Silt
m	%	Clay %	mg/kg	%	%	%	Mg/m3				%	
0 - 0.13		0.48D									79.5	7
4.6												
0 - 0.13		0.48D									79.5	7
4.6												
0.14 - 0.46		0.18D									77.2	8.6
5.4												
0.14 - 0.46		0.18D									77.2	8.6
5.4												
0.46 - 0.62		0.13D									70.9	10
8.8												
0.46 - 0.62		0.13D									70.9	10
8.8												
0.62 - 0.8		0.21D									43.8	7.9
36.7												
0.62 - 0.8		0.21D									43.8	7.9
36.7												
0.8 - 0.95		0.1D									54.4	7.2
29.2												
0.8 - 0.95		0.1D									54.4	7.2
29.2												

#### **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)