Project Name: **North Coastal Plain land resources survey**
Project Code: **NCP** **Site ID:** **0877** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By:	Noel Schoknecht	**Locality:**	
Date Desc.:	10/12/92	**Elevation:**	No Data
Map Ref.:		**Rainfall:**	No Data
Northing/Long.:	6634320 AMG zone: 50	**Runoff:**	No Data
Easting/Lat.:	329800 Datum: AGD84	**Drainage:**	Rapidly drained

Geology

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

Landform

Rel/Slope Class:	Undulating rises 9-30m 3-10%	**Pattern Type:**	Rises
Morph. Type:	Upper-slope	**Relief:**	No Data
Elem. Type:	Hillslope	**Slope Category:**	No Data
Slope:	4 %	**Aspect:**	No Data

Surface Soil Condition

Soft

Erosion

Soil Classification

Australian Soil Classification:
Basic Arenic Yellow-Orthic Tenosol

Mapping Unit: N/A
Principal Profile Form: Uc5.11
Great Soil Group: N/A

ASC Confidence:
Analytical data are incomplete but reasonable confidence.

Site Disturbance

Cultivation. Rainfed

Vegetation

Surface Coarse Fragments

Profile Morphology

A1 0 - 0.1 m Very dark greyish brown (10YR3/2-Moist); ; Loamy sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; Strongly water repellent, "Field pH 6.5 (pH meter); Gradual change to -

A2 0.1 - 0.48 m Strong brown (7.5YR5/8-Moist); , 10YR82, 20-50% , 0-5mm, Faint; Sand; Single grain grade of structure; Sandy (grains prominent) fabric; Moderately moist; Very weak consistence; Water repellent; Field pH 6.5 (pH meter); Diffuse change to -

B21 0.48 - 0.85 m Brownish yellow (10YR6/8-Moist); ; Clayey sand; Moderate grade of structure; Dry; Weak consistence; Field pH 6.5 (pH meter); Diffuse change to -

B22 0.85 - 1.7 m Brownish yellow (10YR6/8-Moist); ; Clayey sand; Moderate grade of structure; Dry; Weak consistence; Field pH 6.5 (pH meter);

Morphological Notes

Observation Notes

Site Notes

Poor Deep Yellow Sand.

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations Ca	Mg	K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.1	5.4B 6.3H 5.8H	4B 3.3B	1.98H	0.22	0.02	0.04	0.03J		2.26D	

0 - 0.1	5.4B 6.3H 5.8H	4B 3.3B	1.98H	0.22	0.02	0.04	0.03J			2.26D
0 - 0.1	5.4B 6.3H 5.8H	4B 3.3B	1.98H	0.22	0.02	0.04	0.03J			2.26D
0.1 - 0.48	5.1B 6H 5.5H	1B 1.1B	0.26H	<0.02	<0.02	<0.02	0.04J			0.29D
0.1 - 0.48	5.1B 6H 5.5H	1B 1.1B	0.26H	<0.02	<0.02	<0.02	0.04J			0.29D
0.1 - 0.48	5.1B 6H 5.5H	1B 1.1B	0.26H	<0.02	<0.02	<0.02	0.04J			0.29D
0.48 - 0.85	5.2B 6.1H 5.6H	1B 0.9B	0.31H	0.09	0.02	<0.02	0.03J			0.43D
0.48 - 0.85	5.2B 6.1H 5.6H	1B 0.9B	0.31H	0.09	0.02	<0.02	0.03J			0.43D
0.48 - 0.85	5.2B 6.1H 5.6H	1B 0.9B	0.31H	0.09	0.02	<0.02	0.03J			0.43D
0.85 - 1.7	5.4B 6.1H 5.5H	1B 0.7B	0.32H	0.08	0.02	<0.02	0.02J			0.43D
0.85 - 1.7	5.4B 6.1H 5.5H	1B 0.7B	0.32H	0.08	0.02	<0.02	0.02J			0.43D
0.85 - 1.7	5.4B 6.1H 5.5H	1B 0.7B	0.32H	0.08	0.02	<0.02	0.02J			0.43D

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	GV	Particle CS	Size FS	Analysis Silt
		Clay									
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.1 2.4		0.57D		38B	0.031E						0.8
0 - 0.1 2.4		0.57D		38B	0.031E						0.8
0 - 0.1 2.4		0.57D		38B	0.031E						0.8
0.1 - 0.48 1.8		0.12D		39B	0.007E						1
0.1 - 0.48 1.8		0.12D		39B	0.007E						1
0.1 - 0.48 1.8		0.12D		39B	0.007E						1
0.48 - 0.85 3.9		0.07D		20B	0.004E						0.7
0.48 - 0.85 3.9		0.07D		20B	0.004E						0.7
0.48 - 0.85 3.9		0.07D		20B	0.004E						0.7
0.85 - 1.7 5.5				15B	0.004E						0.5

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0.85 - 1.7	15B	0.004E		0.5
5.5				
0.85 - 1.7	15B	0.004E		0.5
5.5				

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
18A1_NR	Bicarbonate-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
7A1	Total nitrogen - semimicro Kjeldahl, steam distillation
9A3	Total Phosphorus (ppm) - semimicro kjeldahl, automated colour
9B_NR	Bicarbonate-extractable phosphorus (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
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)