Project Name: **North Coastal Plain land resources survey**
Project Code: **NCP** **Site ID:** **0882** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By:	Noel Schoknecht	**Locality:**	
Date Desc.:	11/12/92	**Elevation:**	No Data
Map Ref.:		**Rainfall:**	No Data
Northing/Long.:	6641040 AMG zone: 50	**Runoff:**	No Data
Easting/Lat.:	348256 Datum: AGD84	**Drainage:**	Rapidly drained

Geology

ExposureType:	Existing vertical exposure	**Conf. Sub. is Parent. Mat.:**	No Data
Geol. Ref.:	No Data	**Substrate Material:**	No Data

Landform

Rel/Slope Class:	Undulating low hills 30-90m 3-10%	**Pattern Type:**	Low hills
Morph. Type:	Open depression (vale)	**Relief:**	No Data
Elem. Type:	Swale	**Slope Category:**	No Data
Slope:	0 %	**Aspect:**	No Data

Surface Soil Condition

Soft

Erosion

Soil Classification

Australian Soil Classification:
Basic Arenic Bleached-Orthic Tenosol

ASC Confidence:
Confidence level not specified

Mapping Unit: N/A
Principal Profile Form: Uc1.21
Great Soil Group: N/A

Site Disturbance

No effective disturbance. Natural

Vegetation

Surface Coarse Fragments

Profile Morphology

A1 0 - 0.15 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, Wavy change to -

AC 0.15 - 0.5 m Greyish brown (10YR5/2-Moist); ; Sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; Field pH 6.5 (pH meter); Diffuse change to -

C 0.5 - 1.5 m Light grey (10YR7/1-Moist); ; Sand; Single grain grade of structure; Sandy (grains prominent) fabric; Moderately moist; Very weak consistence; Field pH 7 (pH meter);

Morphological Notes

Observation Notes

Site Notes

Soil sample site. Deep white sand. Grey arenic rudosol.

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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 - 0.15	5.2B 6.1H 5.4H	4B 3.5B	2.15H	0.43	0.08	0.07	0.05J		2.73D	
0 - 0.15	5.2B 6.1H 5.4H	4B 3.5B	2.15H	0.43	0.08	0.07	0.05J		2.73D	
0 - 0.15	5.2B	4B	2.15H	0.43	0.08	0.07	0.05J		2.73D	

	6.1H	3.5B						
	5.4H							
0.15 - 0.5	4.6B	1B	0.27H	<0.02	0.02	0.03	0.02J	0.33D
	5.9H	1.1B						
	5.4H							
0.15 - 0.5	4.6B	1B	0.27H	<0.02	0.02	0.03	0.02J	0.33D
	5.9H	1.1B						
	5.4H							
0.15 - 0.5	4.6B	1B	0.27H	<0.02	0.02	0.03	0.02J	0.33D
	5.9H	1.1B						
	5.4H							
0.5 - 1.5	5.3B	1B	0.06H	<0.02	<0.02	<0.02	0.02J	0.09D
	6.2H	0.7B						
	5.7H							
0.5 - 1.5	5.3B	1B	0.06H	<0.02	<0.02	<0.02	0.02J	0.09D
	6.2H	0.7B						
	5.7H							
0.5 - 1.5	5.3B	1B	0.06H	<0.02	<0.02	<0.02	0.02J	0.09D
	6.2H	0.7B						
	5.7H							

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	GV	Particle CS	Size FS	Analysis Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.15		1.39D		37B	0.039E						1.7
1.3											
0 - 0.15		1.39D		37B	0.039E						1.7
1.3											
0 - 0.15		1.39D		37B	0.039E						1.7
1.3											
0.15 - 0.5		0.28D		18B	0.008E						1.5
0.7											
0.15 - 0.5		0.28D		18B	0.008E						1.5
0.7											
0.15 - 0.5		0.28D		18B	0.008E						1.5
0.7											
0.5 - 1.5		0.06D		17B	0.002E						1.6
0.8											
0.5 - 1.5		0.06D		17B	0.002E						1.6
0.8											
0.5 - 1.5		0.06D		17B	0.002E						1.6
0.8											

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

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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)