

Project Name: North Coastal Plain land resources survey
Project Code: NCP **Site ID:** 0883 **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.:	6592202 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	352807 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: Gently undulating rises 9-30m 1-3% **Pattern Type:** Sand plain

Morph. Type:	Simple-slope	Relief:	No Data
Elem. Type:	Duneslope	Slope Category:	No Data
Slope:	1 %	Aspect:	No Data

Surface Soil Condition Soft

Erosion

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Basic Arenic Bleached-Orthic Tenosol		Principal Profile Form:	Uc2.21
ASC Confidence:		Great Soil Group:	N/A
Confidence level not specified			

Site Disturbance No effective disturbance. Natural

Vegetation

Surface Coarse Fragments

Profile Morphology

A1	0 - 0.23 m	Very dark grey (10YR3/1-Moist); ; Sand; Single grain grade of structure; Dry; Very weak consistence;
		Strongly water repellent, "Field pH 6.5 (pH meter); Gradual change to -
A2	0.23 - 0.75 m	Greyish brown (10YR5/2-Moist); ; Sand; Single grain grade of structure; Dry; Very weak consistence;
		Field pH 7 (pH meter); Diffuse change to -
B	0.75 - 1.5 m	Brownish yellow (10YR6/8-Moist); , 10YR52, 10-20% , 5-15mm, Faint; Sand; Single grain grade of
		structure; Dry; Very weak consistence; Field pH 7 (pH meter);

Morphological Notes

Observation Notes

Site Notes

Soil sample site. Sands all M-K. Basic yellow bleached tenosol. Bleached surface deep yellow sand.

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Laboratory Test Results:

Depth m	pH	1:5 EC dS/m	Ca	Exchangeable Mg	Cations K	Na Cmol (+)/kg	Exchangeable Acidity	CEC	ECEC	ESP %
0 - 0.23	4.9B 6.2H 5.9H	2B 1.7B	1.15H	0.26	0.03	0.05	<0.02J		1.49D	
0 - 0.23	4.9B 6.2H 5.9H	2B 1.7B	1.15H	0.26	0.03	0.05	<0.02J		1.49D	
0 - 0.23	4.9B 6.2H 5.9H	2B 1.7B	1.15H	0.26	0.03	0.05	<0.02J		1.49D	

0.23 - 0.75	5.2B 6.1H 5.8H	1B	0.11H	<0.02	<0.02	<0.02	0.02J	0.14D
0.23 - 0.75	5.2B 6.1H 5.8H	1B	0.11H	<0.02	<0.02	<0.02	0.02J	0.14D
0.23 - 0.75	5.2B 6.1H 5.8H	1B	0.11H	<0.02	<0.02	<0.02	0.02J	0.14D
0.75 - 1.5	5.3B 6.3H 5.8H	1B 1.3B	0.1H	0.04	0.02	0.03	0.02J	0.19D
0.75 - 1.5	5.3B 6.3H 5.8H	1B 1.3B	0.1H	0.04	0.02	0.03	0.02J	0.19D
0.75 - 1.5	5.3B 6.3H 5.8H	1B 1.3B	0.1H	0.04	0.02	0.03	0.02J	0.19D

Depth	CaCO ₃	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	%	mg/kg	%	%	%	Mg/m ³	GV CS FS Silt
0 - 0.23 1.3		0.59D		14B	0.021E			0.3
0 - 0.23 1.3		0.59D		14B	0.021E			0.3
0 - 0.23 1.3		0.59D		14B	0.021E			0.3
0.23 - 0.75 0.7		0.08D		10B	0.004E			0.2
0.23 - 0.75 0.7		0.08D		10B	0.004E			0.2
0.23 - 0.75 0.7		0.08D		10B	0.004E			0.2
0.75 - 1.5 1.4		0.06D		28B	0.005E			0.2
0.75 - 1.5 1.4		0.06D		28B	0.005E			0.2
0.75 - 1.5 1.4		0.06D		28B	0.005E			0.2

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMRR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15E1_AL	Exchangeable Al - by compulsive exchange, no pretreatment for soluble salts
15E1_CA	Exchangeable bases (Ca ²⁺ , Mg ²⁺ , 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 (Mn ²⁺) 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)