

Project Name: North Coastal Plain land resources survey
Project Code: NCP **Site ID:** 0803 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By:	Noel Schoknecht	Locality:	
Date Desc.:	17/11/92	Elevation:	No Data
Map Ref.:		Rainfall:	No Data
Northing/Long.:	6601471 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	332553 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:** Dunefield

Morph. Type:	Crest	Relief:	No Data
Elem. Type:	Dunecrest	Slope Category:	No Data
Slope:	5 %	Aspect:	No Data

Surface Soil Condition Soft

Erosion

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Shelly Rudosol		Principal Profile Form:	Uc1.11
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 - 0.3 m	Brown (10YR5/3-Moist); ; Fine sand; Single grain grade of structure; Moderately moist; Very weak
		consistence; Field pH 9.5 (pH meter); Diffuse change to -
C	0.3 - 1.5 m	Very pale brown (10YR7/3-Moist); ; Fine sand; Single grain grade of structure; Dry; Very weak
		consistence; Field pH 9.5 (pH meter);

Morphological Notes

Observation Notes

Site Notes

Similar to site 798. Soil samples taken. Pale yellow calcareous sand dune. Photos to sw and w.

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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 - 0.3	7.8B 8.5H	14B	3.71E	0.28	0.06	0.04		3B	4.09D	1.33
0 - 0.3	7.8B 8.5H	14B	3.71E	0.28	0.06	0.04		3B	4.09D	1.33
0.3 - 0.9	7.9B 8.8H	9B	2.45E	0.29	<0.02	0.08		2B	2.83D	4.00
0.3 - 0.9	7.9B 8.8H	9B	2.45E	0.29	<0.02	0.08		2B	2.83D	4.00
0.9 - 1.5	8.2B 9.3H	6B	1.12E	0.1	<0.02	<0.02		1B	1.24D	
0.9 - 1.5	8.2B 9.3H	6B	1.12E	0.1	<0.02	<0.02		1B	1.24D	

Depth	CaCO ₃	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m ³			%	
0 - 0.3 4.2	78C	0.93D		370B	0.08E						2.5
0 - 0.3 4.2	78C	0.93D		370B	0.08E						2.5
0.3 - 0.9 4.7	79C	0.5D		350B	0.05E						3
0.3 - 0.9 4.7	79C	0.5D		350B	0.05E						3
0.9 - 1.5 1.8	82C	0.11D		310B	0.013E						0
0.9 - 1.5 1.8	82C	0.11D		310B	0.013E						0

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CM	Exchangeable bases (Ca/Mg ratio) - Not recorded
15C1_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - alcoholic 1M ammonium chloride at pH 8.5,
pretreatment for	
15C1_CEC	soluble salts
15C1_K	CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
soluble salts	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
15C1_MG	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
soluble salts	
15C1_NA	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
soluble salts	
15J_BA	Sum of Bases
15L1_a	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using
Sum of Cations	and measured clay
15N1_a	Exchangeable sodium percentage (ESP) - Auto calculated from available using CEC
15N1_b	Exchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations
18A1_N	Bicarbonate-extractable potassium (not recorded)
19B_N	Calcium Carbonate (CaCO ₃) - Not recorded
3_N	Electrical conductivity or soluble salts - Not recorded
4_N	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
7A1	Total nitrogen - semimicro Kjeldahl, steam distillation
9A3	Total Phosphorus (ppm) - semimicro kjeldahl, automated colour
9B_N	Bicarbonate-extractable phosphorus (not recorded)
9H1	Anion storage capacity
P10_1m2m	1000 to 2000u particle size analysis, (method not recorded)

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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_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)