

Project Name: North Coastal Plain land resources survey
Project Code: NCP **Site ID:** 0854 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Noel Schoknecht
Date Desc.: 19/11/92
Map Ref.:
Northing/Long.: 6719963 AMG zone: 50
Easting/Lat.: 303862 Datum: AGD84
Locality:
Elevation: No Data
Rainfall: No Data
Runoff: No Data
Drainage: No Data

Geology

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

Landform

Rel/Slope Class: Gently undulating rises 9-30m 1-3%
Pattern Type: Rises

Morph. Type: No Data
Elem. Type: Hillslope
Slope: 1 %
Relief: No Data
Slope Category: No Data
Aspect: No Data

Surface Soil Condition Soft

Erosion

Soil Classification

Australian Soil Classification:
 Lithic Supracalcic Calcarosol
ASC Confidence:
 Confidence level not specified
Mapping Unit: N/A
Principal Profile Form: Uc1.11
Great Soil Group: N/A

Site Disturbance Highly disturbed, for example, quarrying, roadworks, mining, landfill, urban

Vegetation

Surface Coarse Fragments

Profile Morphology

A1	0 - 0.2 m	Dark brown (10YR3/3-Moist); ; Loamy fine sand; Dry; Very weak consistence; 2-10%, Limestone, coarse
AC	0.2 - 0.55 m	Pinkish grey (7.5YR6/3-Moist); ; Clayey fine sand; Dry; Very weak consistence; 2-10%, Limestone,
C	0.55 - 1.3 m	Pinkish grey (7.5YR7/3-Moist); ; Clayey fine sand; Dry; Very weak consistence; 20-50%, Limestone,

Morphological Notes

Observation Notes

Site Notes

Samples taken. Gravels are limestone rubble 2 - 20mm diameter. Tree roots throughout profile. Photos * 2.

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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 - 0.2	7.8B 8.4H	26B	8.95E	0.72	0.19	0.29		9B	10.15D	3.22
0 - 0.2	7.8B 8.4H	26B	8.95E	0.72	0.19	0.29		9B	10.15D	3.22
0.2 - 0.55	7.9B 8.4H	51B	4.91E	0.56	0.06	0.39		4B	5.92D	9.75
0.2 - 0.55	7.9B 8.4H	51B	4.91E	0.56	0.06	0.39		4B	5.92D	9.75
0.55 - 1.3	8.1B	39B	1.84E	0.91	0.16	0.79		2B	3.7D	39.50

0.55 - 1.3	9.1H 8.1B 9.1H	39B	1.84E	0.91	0.16	0.79		2B	3.7D	39.50
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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 - 0.2	63C	1.68D		260B	0.085E				3.3
10.6									
0 - 0.2	63C	1.68D		260B	0.085E				3.3
10.6									
0.2 - 0.55	72C	0.73D		210B	0.035E				6.2
14.1									
0.2 - 0.55	72C	0.73D		210B	0.035E				6.2
14.1									
0.55 - 1.3	82C	0.44D		120B	0.024E				5.9
6.2									
0.55 - 1.3	82C	0.44D		120B	0.024E				5.9
6.2									

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMV	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	
	soluble salts
15C1_CEC	CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_K	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
soluble salts	
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_BASES	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_NR	Bicarbonate-extractable potassium (not recorded)
19B_NR	Calcium Carbonate (CaCO ₃) - Not recorded
3_NR	Electrical conductivity or soluble salts - Not recorded
4_NR	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_NR	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)