Project Name: **North Coastal Plain land resources survey**
Project Code: **NCP** **Site ID:** **0513** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By:	Noel Schoknecht	**Locality:**	
Date Desc.:	19/06/92	**Elevation:**	240 metres
Map Ref.:		**Rainfall:**	No Data
Northing/Long.:	6637399 AMG zone: 50	**Runoff:**	No Data
Easting/Lat.:	340162 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:	Upper-slope	**Relief:**	No Data
Elem. Type:	Hillslope	**Slope Category:**	No Data
Slope:	5 %	**Aspect:**	No Data

Surface Soil Condition

Soft

Erosion

Soil Classification

Australian Soil Classification:
Basic Petroferric Bleached-Orthic Tenosol

ASC Confidence:
Confidence level not specified

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

Site Disturbance

Complete clearing. Pasture, native or improved, but never cultivated

Vegetation

Surface Coarse Fragments

Profile Morphology

A1 0 - 0.08 m Grey (10YR5/1-Moist); ; Fine sand; Single grain grade of structure; Sandy (grains prominent) fabric; Moist; Very weak consistence; Field pH 6.5 (pH meter);

A21 0.08 - 0.15 m Very pale brown (10YR7/3-Moist); ; Fine sand; Single grain grade of structure; Sandy (grains prominent) fabric; Moist; Very weak consistence; Field pH 6.5 (pH meter);

A22 0.15 - 0.55 m Very pale brown (10YR7/3-Moist); ; Loamy fine sand; Single grain grade of structure; Sandy (grains prominent) fabric; Moist; Very weak consistence; 50-90%, Ferricrete, coarse fragments; Field pH 7.5 (pH meter);

C 0.55 - 1.25 m Yellowish brown (10YR5/8-Moist); ; Clayey fine sand; Moderate grade of structure; Moist; 50-90%, Ferricrete, coarse fragments; Field pH 7 (pH meter);

Morphological Notes

Observation Notes

Site Notes

Site is in gravel pit next to a paddock. Ploughing in the adjacent paddock has brought stones to the surface. Smooth faced gravels. Site has been sampled

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity			
m		dS/m				Cmol (+)/kg				%
0 - 0.08	4.7B 5.8H	4B 2.2B	0.69H	0.16	0.06	0.03	0.1J		0.94D	

	5.3H							
0 - 0.08	4.7B	4B	0.69H	0.16	0.06	0.03	0.1J	0.94D
	5.8H	2.2B						
	5.3H							
0 - 0.08	4.7B	4B	0.69H	0.16	0.06	0.03	0.1J	0.94D
	5.8H	2.2B						
	5.3H							
0.08 - 0.15	4.7B	2B	0.48H	0.11	0.03	0.02	0.06J	0.64D
	5.7H	1.5B						
	5.3H							
0.08 - 0.15	4.7B	2B	0.48H	0.11	0.03	0.02	0.06J	0.64D
	5.7H	1.5B						
	5.3H							
0.08 - 0.15	4.7B	2B	0.48H	0.11	0.03	0.02	0.06J	0.64D
	5.7H	1.5B						
	5.3H							
0.15 - 0.55	4.9B	2B	0.39H	0.09	0.02	0.03	0.06J	0.53D
	5.7H	1.7B						
	5.4H							
0.15 - 0.55	4.9B	2B	0.39H	0.09	0.02	0.03	0.06J	0.53D
	5.7H	1.7B						
	5.4H							
0.15 - 0.55	4.9B	2B	0.39H	0.09	0.02	0.03	0.06J	0.53D
	5.7H	1.7B						
	5.4H							
0.55 - 0.9	5.1B	2B	0.72H	0.43	0.13	0.1	0.05J	1.38D
	6H	2.5B						
	5.7H							
0.55 - 0.9	5.1B	2B	0.72H	0.43	0.13	0.1	0.05J	1.38D
	6H	2.5B						
	5.7H							
0.55 - 0.9	5.1B	2B	0.72H	0.43	0.13	0.1	0.05J	1.38D
	6H	2.5B						
	5.7H							
0.9 - 1.25	5.1B	2B	0.68H	0.49	0.14	0.09	0.05J	1.4D
	6.1H	1.9B						
	5.7H							
0.9 - 1.25	5.1B	2B	0.68H	0.49	0.14	0.09	0.05J	1.4D
	6.1H	1.9B						
	5.7H							
0.9 - 1.25	5.1B	2B	0.68H	0.49	0.14	0.09	0.05J	1.4D
	6.1H	1.9B						
	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 - 0.08		0.45D		20B	0.016E						1.5
1.9											

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0 - 0.08	0.45D	20B	0.016E		1.5
1.9					
0 - 0.08	0.45D	20B	0.016E		1.5
1.9					
0.08 - 0.15	0.39D	18B	0.014E		1.5
2.2					
0.08 - 0.15	0.39D	18B	0.014E		1.5
2.2					
0.08 - 0.15	0.39D	18B	0.014E		1.5
2.2					
0.15 - 0.55	0.27D	22B	0.012E		2.1
2.8					
0.15 - 0.55	0.27D	22B	0.012E		2.1
2.8					
0.15 - 0.55	0.27D	22B	0.012E		2.1
2.8					
0.55 - 0.9		33B	0.017E		2.6
10.9					
0.55 - 0.9		33B	0.017E		2.6
10.9					
0.55 - 0.9		33B	0.017E		2.6
10.9					
0.9 - 1.25		29B	0.013E		2.5
11.3					
0.9 - 1.25		29B	0.013E		2.5
11.3					
0.9 - 1.25		29B	0.013E		2.5
11.3					

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)