Project Name: **North Coastal Plain land resources survey**
Project Code: **NCP** **Site ID:** **0357** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By:	Noel Schoknecht	**Locality:**	
Date Desc.:	09/05/92	**Elevation:**	180 metres
Map Ref.:		**Rainfall:**	No Data
Northing/Long.:	6644720 AMG zone: 50	**Runoff:**	No Data
Easting/Lat.:	350960 Datum: AGD84	**Drainage:**	Well 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:**	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: Uc4.21
Great Soil Group: N/A

Site Disturbance

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

Vegetation

Surface Coarse Fragments

Profile Morphology

A1 0 - 0.15 m Greyish brown (10YR5/2-Moist); ; Loamy sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; Water repellent; Field pH 6.5 (pH meter); Clear, Wavy change to -

A21 0.15 - 0.23 m Pale brown (10YR6/3-Moist); ; Loamy sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Field pH 6.5 (pH meter); Abrupt, Wavy change to -

A22 0.23 - 0.65 m Pale brown (10YR6/3-Moist); ; Loamy sand; Single grain grade of structure; Sandy (grains prominent) fabric; Moist; 50-90%, Granulite, coarse fragments; Water repellent; Field pH 6.5 (pH meter); Gradual, Wavy change to -

2B2w 0.65 - 0.9 m Reddish yellow (7.5YR7/8-Moist); , 10YR76, 10-20% , 5-15mm, Faint; , 5YR58, 10-20% , 5-15mm, Distinct; Loamy sand; Moderate grade of structure; Moist; 50-90%, Granulite, coarse fragments; Field pH 6.5 (pH meter); Gradual, Wavy change to -

2C 0.9 - 1.15 m Yellow (10YR7/6-Moist); , 7.5YR68, 20-50% , 5-15mm, Distinct; Clayey sand; Moderate grade of structure; Moist; Field pH 6.5 (pH meter);

Morphological Notes

Observation Notes

Site Notes

Site is located on the upper slope of a lateritic remnant hill. ORIGINALLY SITE 60 Slope - 2% along ridge and 5-6% across ridge. Basic petroferric nodular tenosol.

Project Name: **North Coastal Plain land resources survey**
Project Code: **NCP** **Site ID:** **0357** **Observation** **1**
Agency Name: **Agriculture Western Australia**

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	5B 5.8H 5.6H	4B 4.3B	1.55H	0.26	0.08	0.03	<0.02J		1.92D	
0 - 0.15	5B 5.8H 5.6H	4B 4.3B	1.55H	0.26	0.08	0.03	<0.02J		1.92D	
0 - 0.15	5B 5.8H 5.6H	4B 4.3B	1.55H	0.26	0.08	0.03	<0.02J		1.92D	
0.15 - 0.23	4.8B 5.6H 5.3H	5B 4.4B	1.84H	0.36	0.03	0.07	0.06J		2.3D	
0.15 - 0.23	4.8B 5.6H 5.3H	5B 4.4B	1.84H	0.36	0.03	0.07	0.06J		2.3D	
0.15 - 0.23	4.8B 5.6H 5.3H	5B 4.4B	1.84H	0.36	0.03	0.07	0.06J		2.3D	
0.23 - 0.65	5B 5.7H 5.4H	3B 3.3B	0.87H	0.3	0.06	0.04	0.05J		1.27D	
0.23 - 0.65	5B 5.7H 5.4H	3B 3.3B	0.87H	0.3	0.06	0.04	0.05J		1.27D	
0.23 - 0.65	5B 5.7H 5.4H	3B 3.3B	0.87H	0.3	0.06	0.04	0.05J		1.27D	
0.65 - 0.9	5B 6H 5.7H	3B 3.3B	0.71H	0.33	0.19	0.09	0.05J		1.32D	
0.65 - 0.9	5B 6H 5.7H	3B 3.3B	0.71H	0.33	0.19	0.09	0.05J		1.32D	
0.65 - 0.9	5B 6H 5.7H	3B 3.3B	0.71H	0.33	0.19	0.09	0.05J		1.32D	
0.9 - 1.15	4.8B 5.9H 5.4H	3B	0.52H	0.39	0.15	0.09	0.05J		1.15D	
0.9 - 1.15	4.8B 5.9H 5.4H	3B	0.52H	0.39	0.15	0.09	0.05J		1.15D	
0.9 - 1.15	4.8B 5.9H 5.4H	3B	0.52H	0.39	0.15	0.09	0.05J		1.15D	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis GV	CS	FS	Silt
m	%	Clay %	mg/kg	%	%	%	Mg/m3			%	
0 - 0.15 1.5		0.72D		42B	0.044E						0.6

Project Name: **North Coastal Plain land resources survey**
Project Code: **NCP** **Site ID:** **0357** **Observation** **1**
Agency Name: **Agriculture Western Australia**

0 - 0.15	0.72D	42B	0.044E		0.6
1.5					
0 - 0.15	0.72D	42B	0.044E		0.6
1.5					
0.15 - 0.23	0.88D	38B	0.036E		1.8
4.8					
0.15 - 0.23	0.88D	38B	0.036E		1.8
4.8					
0.15 - 0.23	0.88D	38B	0.036E		1.8
4.8					
0.23 - 0.65	0.48D	35B	0.025E		1.7
5.3					
0.23 - 0.65	0.48D	35B	0.025E		1.7
5.3					
0.23 - 0.65	0.48D	35B	0.025E		1.7
5.3					
0.65 - 0.9		24B	0.015E		2.2
14.5					
0.65 - 0.9		24B	0.015E		2.2
14.5					
0.65 - 0.9		24B	0.015E		2.2
14.5					
0.9 - 1.15		19B	0.008E		2.4
19.7					
0.9 - 1.15		19B	0.008E		2.4
19.7					
0.9 - 1.15		19B	0.008E		2.4
19.7					

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)