

**Project Name:** North Coastal Plain land resources survey  
**Project Code:** NCP **Site ID:** 0880 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

**Site Information**

<b>Desc. By:</b>	Noel Schoknecht	<b>Locality:</b>	
<b>Date Desc.:</b>	10/12/92	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>		<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	6655378 AMG zone: 50	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	327798 Datum: AGD84	<b>Drainage:</b>	Well drained

**Geology**

<b>ExposureType:</b>	Soil pit	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	No Data

**Landform**

**Rel/Slope Class:** Undulating low hills 30-90m 3-10% **Pattern Type:** Low hills

<b>Morph. Type:</b>	Mid-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	No Data
<b>Slope:</b>	4 %	<b>Aspect:</b>	No Data

**Surface Soil Condition** Firm

**Erosion**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Bleached-Mottled Mesotrophic Brown Chromosol		<b>Principal Profile Form:</b>	Dr5.42
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	N/A
Confidence level not specified			

**Site Disturbance** Complete clearing. Pasture, native or improved, but never cultivated

**Vegetation**

**Surface Coarse Fragments** ; 2-10%, , subrounded, Sandstone

**Profile Morphology**

A1	0 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); ; Loam; Moderate grade of structure; Dry; Weak consistence;
		50-90%, Sandstone, coarse fragments; Field pH 5.5 (pH meter); Clear change to -
A2	0.1 - 0.22 m	Brown (7.5YR4/4-Moist); ; Loam; Moderate grade of structure; Dry; Weak consistence;
		50-90%, Sandstone, coarse fragments; Field pH 6 (pH meter); Abrupt change to -
B21	0.22 - 0.5 m	Red (2.5YR4/6-Moist); , 7.5YR58, 10-20% , 0-5mm, Distinct; Medium clay; Strong grade of structure, 2-
		5 mm, Polyhedral; Rough-ped fabric; Dry; Very firm consistence; 10-20%, Sandstone, coarse fragments;
		Field pH 6 (pH meter); Gradual change to -
B22	0.5 - 0.85 m	Yellowish brown (10YR5/8-Moist); , 2.5YR46, 10-20% , 5-15mm, Distinct; Medium clay; Strong grade of
		structure, 2-5 mm, Polyhedral; Rough-ped fabric; Dry; Very firm consistence; 10-20%, Sandstone, coarse
		fragments; Field pH 6.5 (pH meter); Diffuse change to -
B23	0.85 - 1.25 m	Yellowish brown (10YR5/6-Moist); , 10YR62, 20-50% , 5-15mm, Distinct; Medium clay; Moderate grade
		of structure, 10-20 mm, Subangular blocky; Rough-ped fabric; Dry; Very strong consistence; 2-10%,
		Sandstone, coarse fragments; Field pH 6.5 (pH meter);

**Morphological Notes**

**Observation Notes**

**Site Notes**

Tree roots in lower horizons. Gravel is ferruginised sandstone 2-50 mm diameter, subrounded.

**Project Name:** North Coastal Plain land resources survey  
**Project Code:** NCP **Site ID:** 0880 **Observation** 1  
**Agency Name:** Agriculture Western Australia

**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 - 0.1	4.6B 5.4H 5.1H	6B 6.1B	4.29H	0.8	0.25	0.13	0.35J		5.47D	
0 - 0.1	4.6B 5.4H 5.1H	6B 6.1B	4.29H	0.8	0.25	0.13	0.35J		5.47D	
0 - 0.1	4.6B 5.4H 5.1H	6B 6.1B	4.29H	0.8	0.25	0.13	0.35J		5.47D	
0.1 - 0.22	4.6B 5.6H 5.3H	2B	1.8H	0.8	0.16	0.05	0.17J		2.81D	
0.1 - 0.22	4.6B 5.6H 5.3H	2B	1.8H	0.8	0.16	0.05	0.17J		2.81D	
0.1 - 0.22	4.6B 5.6H 5.3H	2B	1.8H	0.8	0.16	0.05	0.17J		2.81D	
0.22 - 0.5	5.1B 6H 5.6H	3B 3.4B	2.74H	4.58	0.2	0.23	0.03J		7.75D	
0.22 - 0.5	5.1B 6H 5.6H	3B 3.4B	2.74H	4.58	0.2	0.23	0.03J		7.75D	
0.22 - 0.5	5.1B 6H 5.6H	3B 3.4B	2.74H	4.58	0.2	0.23	0.03J		7.75D	
0.5 - 0.85	5.4B 6.2H 5.8H	3B 3.4B	2.44H	4.54	0.16	0.34	0.02J		7.48D	
0.5 - 0.85	5.4B 6.2H 5.8H	3B 3.4B	2.44H	4.54	0.16	0.34	0.02J		7.48D	
0.5 - 0.85	5.4B 6.2H 5.8H	3B 3.4B	2.44H	4.54	0.16	0.34	0.02J		7.48D	
0.85 - 1.25	5.7B 6.8H 6.1H	4B	2.27A	5.37	0.26	0.67			8.57D	
0.85 - 1.25	5.7B 6.8H 6.1H	4B	2.27A	5.37	0.26	0.67			8.57D	
0.85 - 1.25	5.7B 6.8H 6.1H	4B	2.27A	5.37	0.26	0.67			8.57D	

Depth m	CaCO3 %	Organic C Clay %	Avail. P mg/kg	Total P %	Total N %	Total K %	Bulk Density Mg/m3	Particle GV CS	Size FS %	Analysis Silt
0 - 0.1 10.8		2.12D		170B	0.122E					12.9

**Project Name:** North Coastal Plain land resources survey  
**Project Code:** NCP **Site ID:** 0880 **Observation** 1  
**Agency Name:** Agriculture Western Australia

0 - 0.1 10.8	2.12D	170B	0.122E	12.9
0 - 0.1 10.8	2.12D	170B	0.122E	12.9
0.1 - 0.22 13.6	0.7D	92B	0.044E	13.9
0.1 - 0.22 13.6	0.7D	92B	0.044E	13.9
0.1 - 0.22 13.6	0.7D	92B	0.044E	13.9
0.22 - 0.5 58.1	0.33D	81B	0.037E	9.1
0.22 - 0.5 58.1	0.33D	81B	0.037E	9.1
0.22 - 0.5 58.1	0.33D	81B	0.037E	9.1
0.5 - 0.85 51		67B	0.022E	9.7
0.5 - 0.85 51		67B	0.022E	9.7
0.5 - 0.85 51		67B	0.022E	9.7
0.85 - 1.25 50.5		52B	0.016E	10.2
0.85 - 1.25 50.5		52B	0.016E	10.2
0.85 - 1.25 50.5		52B	0.016E	10.2

#### **Laboratory Analyses Completed for this profile**

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMRe	Exchangeable bases (Ca/Mg ratio) - Not recorded
15A1_CA for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15A1_CEC	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_K for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15A1_MG for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15A1_NA for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15E1_AL	Exchangeable Al - by compulsive exchange, no pretreatment for soluble salts
15E1_CA salts	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
15L1_a Sum of Cations	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using 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)
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)

**Project Name:** North Coastal Plain land resources survey  
**Project Code:** NCP                      **Site ID:** 0880                      **Observation** 1  
**Agency Name:** Agriculture Western Australia

P106001000      600 to 1000u particle size analysis, (method not recorded)