

**Project Name:** Nyabing Kukerin land resources survey  
**Project Code:** NYA **Site ID:** 0124 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

#### Site Information

<b>Desc. By:</b>	Heather Percy	<b>Locality:</b>	
<b>Date Desc.:</b>	13/06/95	<b>Elevation:</b>	305 metres
<b>Map Ref.:</b>		<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	6268790 AMG zone: 50	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	607710 Datum: AGD84	<b>Drainage:</b>	Well drained

#### Geology

<b>ExposureType:</b>	Auger boring	<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:** Gently undulating rises 9-30m 1-3% **Pattern Type:** Rises

<b>Morph. Type:</b>	Mid-slope	<b>Relief:</b>	10 metres
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	No Data
<b>Slope:</b>	2 %	<b>Aspect:</b>	0 degrees

#### Surface Soil Condition Loose

**Erosion** (wind); (sheet) (rill) (gully)

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Basic Ferric Bleached-Orthic Tenosol	<b>Principal Profile Form:</b>	Uc2.21
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	N/A
All necessary analytical data are available.		

**Site Disturbance** Complete clearing. Pasture, native or improved, cultivated at some stage

#### Vegetation

#### Surface Coarse Fragments No surface coarse fragments; 2-10%, , subrounded, Ferricrete

#### Profile Morphology

A1	0 - 0.12 m	Dark grey (10YR4/1-Moist); , 0-0% ; Sand; Single grain grade of structure; Moist; Loose consistence;
		Field pH 6.5 (Raupach); Clear change to -
A21e	0.12 - 0.2 m	Pale brown (10YR6/3-Moist); , 0-0% ; Sand; Single grain grade of structure; Moist; Loose consistence;
		Field pH 6 (Raupach); Abrupt change to -
A22ec	0.2 - 0.4 m	Pale brown (10YR6/3-Moist); , 0-0% ; Single grain grade of structure; Moist; 10-20%, fine gravelly, 2-6mm, subrounded, , coarse fragments; 20-50%, medium gravelly, 6-20mm, subrounded, , fragments; 20-50%, coarse gravelly, 20-60mm, subrounded, , coarse fragments; Field pH 6 (Raupach);
		Abrupt change to -
B1c	0.4 - 0.5 m	Brown (10YR5/3-Moist); , 0-0% ; Massive grade of structure; Moist; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; 20-50%, medium gravelly, 6-20mm, subrounded, , coarse fragments; 20-50%, coarse gravelly, 20-60mm, subrounded, , coarse fragments; Very many (50 - 100 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 6.5 (Raupach); Clear change to -
B2c	0.5 - 0.6 m	Yellowish brown (10YR5/6-Moist); , 0-0% ; Sandy loam; Massive grade of structure; Moderately moist; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; 10-20%, medium gravelly, 6-20mm, subrounded, , coarse fragments; Many (20 - 50 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 6.5 (Raupach);

#### Morphological Notes

#### Observation Notes

#### Site Notes

Site is similar to site NYA0121 (except less definite loam texture in B2 horizon).

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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 - 0.1	5.4B	4B								
0.15 - 0.25	6.3H 5B	2B								
0.15 - 0.25	5.9H 5B	2B								
0.4 - 0.5	5.9H 5.6B	2B								
0.5 - 0.6	6.4H 5.8B	3B	0.92A	0.85	0.17	0.14			2.08D	
0.5 - 0.6	6.7H 5.8B	3B	0.92A	0.85	0.17	0.14			2.08D	
	6.7H									

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size	Analysis
m	%	Clay %	mg/kg	%	%	%	Mg/m3	GV CS FS	Silt
0 - 0.1									
0.15 - 0.25									
0.15 - 0.25									
0.4 - 0.5									
0.5 - 0.6								84I	4.5
11.5									
0.5 - 0.6								84I	4.5
11.5									

**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
15A1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15A1_CEC	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_K	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15A1_MG	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15A1_NA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no 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
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
P10_gt2m	> 2mm particle size analysis, (method not recorded)
P10_NR_C	Clay (%) - Not recorded
P10_NR_S	Sand (%) - Not recorded

P10\_NR\_Z      Silt (%) - Not recorded