

**Project Name:** Nyabing Kukerin land resources survey  
**Project Code:** NYA **Site ID:** 0085 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

#### Site Information

<b>Desc. By:</b>	Heather Percy	<b>Locality:</b>	
<b>Date Desc.:</b>	29/05/95	<b>Elevation:</b>	375 metres
<b>Map Ref.:</b>		<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	6280790 AMG zone: 50	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	608060 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>	15 metres
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	No Data
<b>Slope:</b>	1 %	<b>Aspect:</b>	135 degrees

#### Surface Soil Condition Firm

**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** 10-20%, medium gravelly, 6-20mm, subrounded, ; 2-10%, , subrounded,

#### Profile Morphology

A1	0 - 0.1 m	Greyish brown (10YR5/2-Moist); , 0-0% ; Sand; Single grain grade of structure; Moist; Loose
		consistence; 10-20%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; 10-20%, medium gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 5.5 (Raupach); Abrupt change to -
A2e	0.1 - 0.2 m	Pale brown (10YR6/3-Moist); , 0-0% ; Sand; Single grain grade of structure; Moist; Loose consistence;
		10-20%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; 10-20%, medium gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 6 (Raupach); Abrupt change to -
A3c	0.2 - 0.3 m	Light yellowish brown (10YR6/4-Moist); , 0-0% ; Sand; Single grain grade of structure; Moist; Loose
		consistence; 10-20%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; 20-50%, medium gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 6 (Raupach); Abrupt change to -
B1	0.3 - 0.45 m	Yellowish brown (10YR5/8-Moist); , 0-0% ; Sandy loam; Massive grade of structure; Moderately moist;
		10-20%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; 10-20%, fine gravelly, 2-6mm, subangular, , coarse fragments; 10-20%, medium gravelly, 6-20mm, subangular, , coarse fragments; Field pH 6 (Raupach); Abrupt change to -
B2	0.45 - 0.5 m	Brownish yellow (10YR6/8-Moist); , 0-0% ; Sandy loam; Massive grade of structure; Dry; 20-50%, fine
		20mm, subangular, gravelly, 2-6mm, subangular, Quartz, coarse fragments; 10-20%, medium gravelly, 6-20mm, subangular, , coarse fragments; Field pH 6 (Raupach);

#### Morphological Notes

A1 Fine to medium sand.

A2e Fine to medium sand.  
A3c Fine to medium sand.

### Observation Notes

### Site Notes

Common angular quartz on surface.

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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	4.4B									
0.1 - 0.2	4.5B									
0.3 - 0.4	5.2B									
0.45 - 0.6	5.8B	4B	1.1H	1.28	0.02	0.22	<0.02J		2.62D	
	6.4H									
0.45 - 0.6	5.8B	4B	1.1H	1.28	0.02	0.22	<0.02J		2.62D	
	6.4H									

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.1											
0.1 - 0.2											
0.3 - 0.4											
0.45 - 0.6									83.5I		4.5
12											
0.45 - 0.6									83.5I		4.5
12											

### Laboratory Analyses Completed for this profile

15\_NR\_BSa Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available  
15\_NR\_CMRR 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  
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