

Project Name: Nyabing Kukerin land resources survey
Project Code: NYA **Site ID:** 0231 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By:	Heather Percy	Locality:	
Date Desc.:	13/07/95	Elevation:	340 metres
Map Ref.:		Rainfall:	No Data
Northing/Long.:	6250625 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	616440 Datum: AGD84	Drainage:	Rapidly drained

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Landform

Rel/Slope Class: Gently undulating rises 9-30m 1-3% **Pattern Type:** Rises

Morph. Type:	Mid-slope	Relief:	10 metres
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	2 %	Aspect:	135 degrees

Surface Soil Condition Loose

Erosion (wind); (sheet)

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Basic Regolithic Bleached-Orthic Tenosol	Principal Profile Form:	Uc2.23
ASC Confidence:	Great Soil Group:	N/A
No analytical data are available but confidence is fair.		

Site Disturbance Cultivation. Rainfed

Vegetation

Surface Coarse Fragments No surface coarse fragments; No surface coarse fragments

Profile Morphology

A11	0 - 0.1 m	Greyish brown (10YR5/2-Moist); , 0-0% ; Sand; Single grain grade of structure; Loose consistence;
		Field pH 6 (Raupach); Abrupt change to -
A12e	0.1 - 0.25 m	Light brownish grey (10YR6/2-Moist); , 0-0% ; Sand; Single grain grade of structure;
Loose		consistence; Field pH 7 (Raupach); Gradual change to -
A2e	0.25 - 1.2 m	Light grey (10YR7/2-Moist); , 0-0% ; Sand; Single grain grade of structure; Moist; Loose consistence;
		Field pH 7 (Raupach); Clear change to -
A3e	1.2 - 1.3 m	Light grey (10YR7/2-Moist); , 0-0% ; Sand; Single grain grade of structure; Wet; Loose consistence; 10-
		20%, coarse gravelly, 20-60mm, rounded, , coarse fragments; Field pH 7 (Raupach);
		Clear change to -
B2cew	1.3 - 1.5 m	(N6/0-Moist); Mottles, 10YR58, 2-10% , 5-15mm, Prominent; Clayey sand; Weak grade of structure;
		Sandy (grains prominent) fabric; Wet; 10-20%, subrounded, , coarse fragments; Field pH 6.5 (Raupach);

Morphological Notes

B2cew Too wet to texture in field Lab % clay of 7.5%

Observation Notes

Site Notes

Site in a large area of deep sand has been fenced out - seep soak at downslope end of sand.

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations	Exchangeable	CEC	ECEC	ESP
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m	dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity	%
0 - 0.1	5.1B						
0.15 - 0.25	4.8B						
0.4 - 0.5	4.9B						
1.3 - 1.5	5B 6.4H	3B	0.15A	0.9	0.03	0.23	1.31D
1.3 - 1.5	5B 6.4H	3B	0.15A	0.9	0.03	0.23	1.31D

Depth	CaCO3	Organic C Clay	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											
0.15 - 0.25											
0.4 - 0.5											
1.3 - 1.5		0.1D							90.5l		2
7.5											
1.3 - 1.5		0.1D							90.5l		2
7.5											

Laboratory Analyses Completed for this profile

13C1_AL	Citrate/dithionite-extractable iron, aluminium, Manganese and Silicon
13C1_FE	Citrate/dithionite-extractable iron, aluminium, Manganese and Silicon
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
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
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