

Project Name: Nyabing Kukerin land resources survey
Project Code: NYA **Site ID:** 0470 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By:	Heather Percy	Locality:	
Date Desc.:	19/09/95	Elevation:	340 metres
Map Ref.:		Rainfall:	No Data
Northing/Long.:	6282790 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	625650 Datum: AGD84	Drainage:	Moderately well 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:	Upper-slope	Relief:	20 metres
Elem. Type:	Hillcrest	Slope Category:	No Data
Slope:	%	Aspect:	No Data

Surface Soil Condition Hardsetting, Hardsetting

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

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Ferric Natric Red Kurosol	Principal Profile Form:	Dr2.21
ASC Confidence:	Great Soil Group:	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, ; No surface coarse fragments

Profile Morphology

A1c	0 - 0.1 m	Dark greyish brown (10YR4/2-Moist); , 0-0% ; Clayey sand; Massive grade of structure; Dry; 2-10%, fine
		gravelly, 2-6mm, subangular, Quartz, coarse fragments; 20-50%, medium gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 6 (Raupach); Abrupt, Wavy change to -
A2	0.1 - 0.12 m	Brown (10YR5/3-Moist); , 0-0% ; Clayey coarse sand; Massive grade of structure; Dry; 2-10%, fine
		gravelly, 2-6mm, subangular, Quartz, coarse fragments; 10-20%, medium gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 6 (Raupach); Abrupt, Wavy change to -
B21	0.12 - 0.3 m	Yellowish red (5YR5/6-Moist); , 0-0% ; Medium clay; Moderate grade of structure; Rough-ped fabric;
		Dry; Field pH 5.5 (Raupach); Clear change to -
B22	0.3 - 0.4 m	Yellowish red (5YR5/8-Moist); , 0-0% ; Medium clay; Moderate grade of structure; Rough-ped fabric;
		Dry; Field pH 5.5 (Raupach);

Morphological Notes

B22 Kaolinitic clay.

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Cations	Na	Exchangeable	CEC	ECEC	ESP
m		dS/m		Mg K	Acidity				%
					Cmol (+)/kg				

0 - 0.1	5B	5B	2.34H	0.62	0.12	0.12	0.09J	3.2D
0 - 0.1	6.2H	5B	2.34H	0.62	0.12	0.12	0.09J	3.2D
0 - 0.1	6.2H	5B	2.34H	0.62	0.12	0.12	0.09J	3.2D
0.12 - 0.32	5.5H	5B	1.05H	1.5	0.1	0.26	0.33J	2.91D
0.12 - 0.32	4.3B	5B	1.05H	1.5	0.1	0.26	0.33J	2.91D
0.12 - 0.32	5.5H	5B	1.05H	1.5	0.1	0.26	0.33J	2.91D
0.12 - 0.32	4.3B	5B	1.05H	1.5	0.1	0.26	0.33J	2.91D
0.12 - 0.32	5.5H	5B	1.05H	1.5	0.1	0.26	0.33J	2.91D

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		1.66D						88.5I 4.5
7								
0 - 0.1		1.66D						88.5I 4.5
7								
0 - 0.1		1.66D						88.5I 4.5
7								
0.12 - 0.32		0.46D						54I 4.5
41.5								
0.12 - 0.32		0.46D						54I 4.5
41.5								
0.12 - 0.32		0.46D						54I 4.5
41.5								

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
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