

Project Name: Nyabing Kukerin land resources survey
Project Code: NYA **Site ID:** 0292 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 26/07/95	Elevation: 365 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6284780 AMG zone: 50	Runoff: No Data
Easting/Lat.: 611680 Datum: AGD84	Drainage: Imperfectly 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: 10 metres
Elem. Type: Hillcrest	Slope Category: No Data
Slope: 1 %	Aspect: 270 degrees

Surface Soil Condition Hardsetting, Hardsetting

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

Soil Classification

Australian Soil Classification:	Mapping Unit: N/A
Mottled Natric Red Kurosol	Principal Profile Form: Dr3.21
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, ; 2-10%, , subangular, Quartz

Profile Morphology

A1	0 - 0.08 m	Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Loamy sand; Massive grade of structure; Moist; 10-20%, fine gravelly, 2-6mm, rounded, , coarse fragments; Field pH 7 (Raupach); Sharp, Smooth change to -
A2	0.08 - 0.12 m	Pale brown (10YR6/3-Moist); , 0-0% ; Clayey sand; Massive grade of structure; Moist; 20-50%, medium gravelly, 6-20mm, rounded, , coarse fragments; Field pH 5.5 (Raupach); Abrupt, Wavy change to -
B21	0.12 - 0.25 m	Yellowish red (5YR5/6-Moist); , 0-0% ; Sandy medium clay; Moderate grade of structure; fabric; Moderately moist; Field pH 5.5 (Raupach); Clear change to -
B22	0.25 - 0.4 m	Red (2.5YR4/6-Moist); Mottles, 10YR64, 10-20% , 5-15mm, Distinct; Medium heavy clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Field pH 5.5 (Raupach); Gradual change to -
B23	0.4 - 0.6 m	Red (2.5YR4/6-Moist); Mottles, 10YR64, 20-50% , 15-30mm, Distinct; Medium clay; Moderate grade of structure; Smooth-ped fabric; Moderately moist; Field pH 5.5 (Raupach);

Morphological Notes

A2	Not always present.
B21	Kaolinitic clay.
B22	Kaolinitic clay.
B23	Kaolinitic clay.

Observation Notes

Site Notes

Site is 200m downslope of small gravel areas - below breakaway.

Project Name: Nyabing Kukerin land resources survey

Project Code: **NYA** Site ID: **0292** Observation **1**
Agency Name: **Agriculture Western Australia**

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 - 0.08	5.6B 6.8H	12B	2.5A	1.44	0.41	0.19			4.54D	
0 - 0.08	5.6B 6.8H	12B	2.5A	1.44	0.41	0.19			4.54D	
0 - 0.08	5.6B 6.8H	12B	2.5A	1.44	0.41	0.19			4.54D	
0.12 - 0.32	4.4B 5.5H	7B	0.55H	2.12	0.09	0.4	0.46J		3.16D	
0.12 - 0.32	4.4B 5.5H	7B	0.55H	2.12	0.09	0.4	0.46J		3.16D	
0.12 - 0.32	4.4B 5.5H	7B	0.55H	2.12	0.09	0.4	0.46J		3.16D	

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV CS FS Silt
0 - 0.08 6		1.82D						88I 6
0 - 0.08 6		1.82D						88I 6
0 - 0.08 6		1.82D						88I 6
0.12 - 0.32 57		0.4D						36I 7
0.12 - 0.32 57		0.4D						36I 7
0.12 - 0.32 57		0.4D						36I 7

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
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
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)

Project Name: Nyabing Kukerin land resources survey
Project Code: NYA **Site ID:** 0292 **Observation** 1
Agency Name: Agriculture Western Australia

P10_NR_C Clay (%) - Not recorded
P10_NR_S Sand (%) - Not recorded
P10_NR_Z Silt (%) - Not recorded