

Project Name: Nyabing Kukerin land resources survey
Project Code: NYA **Site ID:** 0361 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy
Date Desc.: 07/08/95
Map Ref.:
Northing/Long.: 6242915 AMG zone: 50
Easting/Lat.: 606240 Datum: AGD84
Locality:
Elevation: 290 metres
Rainfall: No Data
Runoff: No Data
Drainage: Poorly drained

Geology

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

Landform

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

Morph. Type: Lower-slope
Elem. Type: Hillslope
Slope: 3 %
Relief: 10 metres
Slope Category: No Data
Aspect: 270 degrees

Surface Soil Condition Hardsetting, Hardsetting

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

Soil Classification

Australian Soil Classification: Eutrophic Mottled-Hypernatric Grey Sodosol
Mapping Unit: N/A
Principal Profile Form: Dy3.41
ASC Confidence: All necessary analytical data are available.
Great Soil Group: N/A

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

Vegetation

Surface Coarse Fragments 20-50%, medium gravelly, 6-20mm, angular, Quartz; 2-10%, , subangular, Quartz

Profile Morphology

A1 0 - 0.1 m Dark grey (10YR4/1-Moist); , 0-0% ; Sand; Massive grade of structure; Moist; Field pH 5.5
 (Raupach);
 Sharp, Smooth change to -
A2e 0.1 - 0.15 m Light brownish grey (10YR6/2-Moist); , 0
 Moist; Field pH
 6 (Raupach); Abrupt, Irregular change to -
B21 0.15 - 0.4 m Light brownish grey (10YR6/2-Moist); Mottles, 2.5YR46, 10-20% , 15-30mm, Distinct;
 Sandy medium
 clay; Moderate grade of structure, Columnar; Rough-ped fabric; Moderately moist; Firm
 consistence;
 Field pH 7.5 (Raupach); Gradual change to -
B22 0.4 - 0.6 m Light brownish grey (2.5Y6/2-Moist); Mottles, 2.5YR46, 2-10% , 5-15mm, Distinct; Sandy
 medium clay;
 Moderate grade of structure; Rough-ped fabric; Dry; Very firm consistence; Field pH 6
 (Raupach);

Morphological Notes

Observation Notes

Site Notes

Project Name: Nyabing Kukerin land resources survey
Project Code: NYA **Site ID:** 0361 **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				Na Cmol (+)/kg				%
0 - 0.1	4.6B	10B	2.16H	0.39	0.1	0.16	0.25J		2.81D	

	5.5H								
	4.4B								
0 - 0.1	4.6B	10B	2.16H	0.39	0.1	0.16	0.25J		2.81D
	5.5H								
	4.4B								
0 - 0.1	4.6B	10B	2.16H	0.39	0.1	0.16	0.25J		2.81D
	5.5H								
	4.4B								
0 - 0.1	4.6B	10B	2.16H	0.39	0.1	0.16	0.25J		2.81D
	5.5H								
	4.4B								
0.15 - 0.35	6.3B	19B	2.37A	4.68	0.06	2.15			9.26D
	7.4H								
0.15 - 0.35	6.3B	19B	2.37A	4.68	0.06	2.15			9.26D
	7.4H								
0.15 - 0.35	6.3B	19B	2.37A	4.68	0.06	2.15			9.26D
	7.4H								
0.15 - 0.25	6.3B								
0.4 - 0.5	5.9B								

Depth	CaCO ₃	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis	GV	CS	FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m ³				%	
0 - 0.1		1.3D								90I		5
5												
0 - 0.1		1.3D								90I		5
5												
0 - 0.1		1.3D								90I		5
5												
0 - 0.1		1.3D								90I		5
5												
0.15 - 0.35		0.25D								53I		5
42												
0.15 - 0.35		0.25D								53I		5
42												
0.15 - 0.35		0.25D								53I		5
42												
0.15 - 0.25												
0.4 - 0.5												

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMd	Exchangeable bases (Ca/Mg ratio) - Not recorded
15A1_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,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 (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	
	salts
15A1_MG	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	
	salts
15A1_NA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,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 (Ca ²⁺ ,Mg ²⁺ ,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

Project Name: Nyabing Kukerin land resources survey
Project Code: NYA **Site ID:** 0361 **Observation** 1
Agency Name: Agriculture Western Australia

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