Project Name: **Nyabing Kukerin land resourcs survey**
Project Code: **NYA** **Site ID:** **0148** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By: Heather Percy
Date Desc.: 15/06/95
Map Ref.:
Northing/Long.: 6262616 AMG zone: 50
Easting/Lat.: 592720 Datum: AGD84
Locality:
Elevation: 295 metres
Rainfall: No Data
Runoff: No Data
Drainage: Moderately well 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: Mid-slope
Elem. Type: Hillslope
Slope: 1 %
Relief: 5 metres
Slope Category: No Data
Aspect: 270 degrees

Surface Soil Condition

Firm

Erosion

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

Soil Classification

Australian Soil Classification:
Mesotrophic Mesonatric Yellow Sodosol
ASC Confidence:
All necessary analytical data are available.
Mapping Unit: N/A
Principal Profile Form: Dy5.22
Great Soil Group: N/A

Site Disturbance

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

Vegetation

Surface Coarse Fragments

No surface coarse fragments; No surface coarse fragments

Profile Morphology

A1 0 - 0.1 m Dark greyish brown (10YR4/2-Moist); , 0-0% ; Sand; Single grain grade of structure; Moist; Loose consistence; Field pH 6 (Raupach); Clear change to -

A2 0.1 - 0.35 m Light yellowish brown (10YR6/4-Moist); , 0-0% ; Sand; Single grain grade of structure; Wet; Loose consistence; 10-20%, medium gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 6 (Raupach); Abrupt, Wavy change to -

B21 0.35 - 0.55 m Brownish yellow (10YR6/5-Moist); Mottles, 2.5YR46, 2-10% , 5-15mm, Distinct; Medium clay; Moderate grade of structure; Rough-ped fabric; Dry; Field pH 6.5 (Raupach); Clear change to -

B22 0.55 - 0.6 m Light brownish grey (2.5Y6/3-Moist); Mottles, 2.5YR46, 10-20% , 0-5mm, Distinct; Medium clay; Moderate grade of structure; Rough-ped fabric; Dry; Field pH 7 (Raupach);

Morphological Notes

B21 Slight dispersion.

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable Acidity	CEC	ECEC	ESP
			Ca	Mg	K	Na				
m		dS/m	Cmol (+)/kg							%
0 - 0.1	4.7B 5.7H	6B								
0.15 - 0.25	4.8B	2B								

	5.8H									
0.35 - 0.55	5.8B	14B	1.25A	3.53	0.05	1.75			6.58D	
	6.9H									
0.35 - 0.55	5.8B	14B	1.25A	3.53	0.05	1.75			6.58D	
	6.9H									
0.4 - 0.5	5.8B	17B								
	6.8H									

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	GV	Particle Size CS	FS	Analysis Silt
		Clay									
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.1											
0.15 - 0.25											
0.35 - 0.55									38.5I		2
59.5											
0.35 - 0.55									38.5I		2
59.5											
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_CMR	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
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