Project Name: Nyabing Kukerin land resourcs survey
Project Code: NYA **Site ID:** 0383 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy
Date Desc.: 16/08/95
Map Ref.:
Northing/Long.: 6240890 AMG zone: 50
Easting/Lat.: 621575 Datum: AGD84
Locality:
Elevation: 285 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: 3 %
Relief: 10 metres
Slope Category: No Data
Aspect: 270 degrees

Surface Soil Condition

Soft

Erosion

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

Soil Classification

Australian Soil Classification:
Mesotrophic Mottled-Mesonatric Grey Sodosol
ASC Confidence:
All necessary analytical data are available.
Mapping Unit: N/A
Principal Profile Form: Dy5.12
Great Soil Group: N/A

Site Disturbance

Cultivation. Rainfed

Vegetation

Surface Coarse Fragments

20-50%, medium gravelly, 6-20mm, angular, Quartz; No surface coarse fragments

Profile Morphology

A1 0 - 0.1 m Very dark grey (10YR3/1-Moist); , 0-0% ; Sand; Single grain grade of structure; Dry; Field pH 6.5 (Raupach); Sharp, Smooth change to -

A3e 0.1 - 0.12 m Light brownish grey (10YR6/2-Moist); , 0-0% ; Clayey coarse sand; Massive grade of structure; Dry; Field pH 6 (Raupach); Abrupt, Wavy change to -

B21t 0.12 - 0.4 m Pinkish grey (7.5YR6/3-Moist); Mottles, 2.5YR46, 20-50% , 15-30mm, Distinct; Sandy medium clay; Weak grade of structure; Rough-ped fabric; Moderately moist; Field pH 6 (Raupach);

B22 0.4 - 0.5 m Pinkish grey (7.5YR6/3-Moist); Mottles, 2.5YR46, 10-20% , 5-15mm, Distinct; Coarse sandy light medium clay; Massive grade of structure; Dry;

Morphological Notes

Observation Notes

Site Notes

"Hardsetting grey clay".

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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 5.8H	10B	2.58H	0.66	0.05	0.32	0.12J		3.61D	
0 - 0.1	4.7B 5.8H	10B	2.58H	0.66	0.05	0.32	0.12J		3.61D	
0 - 0.1	4.7B	10B	2.58H	0.66	0.05	0.32	0.12J		3.61D	

	5.8H							
0.12 - 0.32	4.7B	13B	1.02H	3.18	<0.02	1.28	0.16J	5.49D
	6.1H							
0.12 - 0.32	4.7B	13B	1.02H	3.18	<0.02	1.28	0.16J	5.49D
	6.1H							
0.12 - 0.32	4.7B	13B	1.02H	3.18	<0.02	1.28	0.16J	5.49D
	6.1H							

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis			
		Clay						GV	CS	FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.14		1.5D							91I		5
0 - 0.14		1.5D							91I		5
0 - 0.14		1.5D							91I		5
0.12 - 0.3242		0.46D							53.5I		4.5
0.12 - 0.3242		0.46D							53.5I		4.5
0.12 - 0.3242		0.46D							53.5I		4.5

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
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