Project Name: **Nyabing Kukerin land resourcs survey**
Project Code: **NYA** **Site ID:** **0111** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By: Heather Percy
Date Desc.: 07/06/95
Map Ref.:
Northing/Long.: 6277490 AMG zone: 50
Easting/Lat.: 627740 Datum: AGD84
Locality:
Elevation: 350 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: No Data
Morph. Type: Upper-slope
Elem. Type: Hillslope
Slope: 1 %
Pattern Type: Rises
Relief: 5 metres
Slope Category: No Data
Aspect: 180 degrees

Surface Soil Condition Hardsetting, Hardsetting

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

Soil Classification

Australian Soil Classification:
Mottled Natric Brown Kurosol
ASC Confidence:
All necessary analytical data are available.
Mapping Unit: N/A
Principal Profile Form: Db2.11
Great Soil Group: N/A

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

Vegetation

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

Profile Morphology

A1 0 - 0.08 m Dark greyish brown (10YR4/2-Moist); , 0-0% ; Sandy clay loam; Weak grade of structure, 10-20 mm, Subangular blocky; Sandy (grains prominent) fabric; Dry; Field pH 6 (Raupach); Abundant, very fine (0-1mm) roots; Abrupt change to -

B21 0.08 - 0.2 m Dark yellowish brown (10YR4/4-Moist); , 0-0% ; Light medium clay; Moderate grade of structure; Rough-ped fabric; Dry; Field pH 5.5 (Raupach); Few, very fine (0-1mm) roots; Clear change to -

B22 0.2 - 0.4 m Pale brown (10YR6/3-Moist); Mottles, 5YR56, 10-20% , 5-15mm, Distinct; Medium clay; Strong grade of structure; Rough-ped fabric; Dry; Field pH 5.5 (Raupach); Few, very fine (0-1mm) roots; Abrupt change to -

B3 0.4 - 0.5 m Light grey (10YR7/2-Moist); Mottles, 5YR56, 10-20% , 15-30mm, Distinct; Light medium clay; Strong grade of structure; Smooth-ped fabric; Dry; Field pH 5 (Raupach); Few, very fine (0-1mm) roots;

Morphological Notes

Observation Notes

Site Notes

Site downslope of an indistinct breakaway - "Hardsetting grey clay".

Project Name: **Nyabing Kukerin land resourcs survey**
Project Code: **NYA** **Site ID:** **0111** **Observation** **1**
Agency Name: **Agriculture Western Australia**

Laboratory Test Results:

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

0.08 - 0.28	4.1B 4.8H	37B	0.59H	4.17	0.19	1.85	1.94J		6.8D
0.08 - 0.28	4.1B 4.8H	37B	0.59H	4.17	0.19	1.85	1.94J		6.8D

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			%	
0.08 - 0.28 59.5									38I		2.5
0.08 - 0.28 59.5									38I		2.5

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
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