

Project Name: Nyabing Kukerin land resources survey
Project Code: NYA **Site ID:** 0325 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy
Date Desc.: 01/08/95
Map Ref.:
Northing/Long.: 6244540 AMG zone: 50
Easting/Lat.: 605020 Datum: AGD84
Locality:
Elevation: 300 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: Upper-slope
Elem. Type: Hillslope
Slope: 3 %
Relief: 10 metres
Slope Category: No Data
Aspect: 180 degrees

Surface Soil Condition Recently cultivated

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

Soil Classification

Australian Soil Classification:
 Mottled Natric Red Kurosol
ASC Confidence:
 All necessary analytical data are available.
Mapping Unit: N/A
Principal Profile Form: Dr5.11
Great Soil Group: N/A

Site Disturbance Cultivation. Rainfed

Vegetation

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

Profile Morphology

A1 0 - 0.1 m Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Clayey sand; Single grain grade of structure;
 Moderately moist; Field pH 5.5 (Raupach); Sharp, Wavy change to -
 B21 0.1 - 0.4 m Yellowish red (5YR4/6-Moist); , 0-0% ; Medium clay; Strong grade of structure; Rough-ped fabric; Dry;
 Very firm consistence; Field pH 5.5 (Raupach); Gradual change to -
 B22 0.4 - 0.55 m Strong brown (7.5YR4/6-Moist); , 2.5YR48, 10-20% , 15-30mm, Distinct; Medium clay;
 Strong grade of structure; Smooth-ped fabric; Dry; Very firm consistence; 20-50%, coarse gravelly, 20-60mm,
 subangular, Dolerite, coarse fragments; Field pH 5.5 (Raupach);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth m	pH	1:5 EC dS/m	Ca	Exchangeable Mg	Cations K	Na Cmol (+)/kg	Exchangeable Acidity	CEC	ECEC	ESP %
0 - 0.1	4.7B 5.3H	18B	2.93H	0.83	0.15	0.22	0.15J		4.13D	
0 - 0.1	4.7B 5.3H	18B	2.93H	0.83	0.15	0.22	0.15J		4.13D	
0 - 0.1	4.7B 5.3H	18B	2.93H	0.83	0.15	0.22	0.15J		4.13D	
0.1 - 0.3	3.7B	8B	1.76H	3.46	0.03	1.14	1.66J		6.39D	

0.1 - 0.3	4.9H 3.7B	8B	1.76H	3.46	0.03	1.14	1.66J	6.39D
0.1 - 0.3	4.9H 3.7B	8B	1.76H	3.46	0.03	1.14	1.66J	6.39D
	4.9H							

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	Clay %	mg/kg	%	%	%	Mg/m3	GV CS FS Silt
0 - 0.16		1.92D						88.5I 5.5
0 - 0.16		1.92D						88.5I 5.5
0 - 0.16		1.92D						88.5I 5.5
0.1 - 0.358		0.56D						36I 6
0.1 - 0.358		0.56D						36I 6
0.1 - 0.358		0.56D						36I 6

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CM	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_BA	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