

Project Name: Nyabing Kukerin land resources survey
Project Code: NYA **Site ID:** 0186 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy
Date Desc.: 03/07/95
Map Ref.:
Northing/Long.: 6267770 AMG zone: 50
Easting/Lat.: 624555 Datum: AGD84
Locality:
Elevation: 345 metres
Rainfall: No Data
Runoff: No Data
Drainage: Imperfectly 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: Mid-slope
Elem. Type: Hillslope
Slope: 2 %
Pattern Type: Rises
Relief: 10 metres
Slope Category: No Data
Aspect: 0 degrees

Surface Soil Condition Recently cultivated

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

Soil Classification

Australian Soil Classification:
 Eutrophic Hypernatric Brown Sodosol
ASC Confidence:
 All necessary analytical data are available.
Mapping Unit: N/A
Principal Profile Form: Dy4.11
Great Soil Group: N/A

Site Disturbance Cultivation. Rainfed

Vegetation

Surface Coarse Fragments No surface coarse fragments; No surface coarse fragments

Profile Morphology

Ap 0 - 0.1 m Dark grey (10YR4/1-Moist); , 0-0% ; Coarse sand; Single grain grade of structure; Moderately moist;
 Field pH 6 (Raupach); Sharp change to -
 A3 0.1 - 0.15 m Light brownish grey (10YR6/2-Moist); Mottles, 5YR46, 0-2% , 0-5mm, Distinct; Coarse sandy loam;
 Massive grade of structure; Moderately moist; Sharp change to -
 B2 0.15 - 0.3 m Brown (10YR5/3-Moist); , 0-0% ; Sandy medium clay; Moderately moist; Field pH 6.5 (Raupach);
 Gradual change to -
 B3 0.3 - 0.6 m Yellowish brown (10YR5/4-Moist); , 0-0% ; Light clay; Dry; 20-50%, medium gravelly, 6-20mm, angular,
 Quartz, coarse fragments; Field pH 6.5 (Raupach);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.1	4.5B									
0.15 - 0.3	5.3B 6.3H	26B	1.14H	4.62	0.05	2.68	0.02J		8.49D	
0.15 - 0.3	5.3B 6.3H	26B	1.14H	4.62	0.05	2.68	0.02J		8.49D	
0.15 - 0.25	5.2B									
0.4 - 0.5	5B									

Depth	CaCO ₃	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	%	mg/kg	%	%	%	Mg/m ³	GV CS FS Silt
0 - 0.1								
0.15 - 0.3		0.44D						58.5l 6
35.5								
0.15 - 0.3		0.44D						58.5l 6
35.5								
0.15 - 0.25								
0.4 - 0.5								

Laboratory Analyses Completed for this profile

13C1_AL	Citrate/dithionite-extractable iron, aluminium, Manganese and Silicon
13C1_FE	Citrate/dithionite-extractable iron, aluminium, Manganese and Silicon
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 (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
15E1_MN	Exchangeable bases (Mn ²⁺) 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