

Project Name: Nyabing Kukerin land resources survey
Project Code: NYA **Site ID:** 0076 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy
Date Desc.: 26/05/95
Map Ref.:
Northing/Long.: 6279090 AMG zone: 50
Easting/Lat.: 609430 Datum: AGD84
Locality:
Elevation: 340 metres
Rainfall: No Data
Runoff: No Data
Drainage: 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: 0 %
Relief: 20 metres
Slope Category: No Data
Aspect: 180 degrees

Surface Soil Condition Loose

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

Soil Classification

Australian Soil Classification: Ferric-Sodic Mesotrophic Yellow Kandosol
ASC Confidence: All necessary analytical data are available.
Mapping Unit: N/A
Principal Profile Form: Uc4.21
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 - 0.12 m Brown (10YR5/3-Moist); , 0-0% ; Sand; Single grain grade of structure; Moist; Field pH 6 (Raupach);
 Clear change to -
 A2 0.12 - 0.4 m Brownish yellow (10YR6/6-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Moist; Field pH 6 (Raupach); Abrupt change to -
 B2w 0.4 - 0.6 m Brownish yellow (10YR6/8-Moist); , 0-0% ; Sandy loam; Massive grade of structure; Dry; 10-20%, fine
 subrounded, ,
 coarse fragments; 2-10%, medium gravelly, 6-20mm,
 coarse fragments; Common (10 - 20 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 6 (Raupach);

Morphological Notes

Observation Notes

Site Notes

Subsoil is only just sodic (ESP=6).

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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 %
0.4 - 0.6	5.1B 6H	2B	0.59H	1.64	0.03	0.12	<0.02J		2.38D	
0.4 - 0.6	5.1B 6H	2B	0.59H	1.64	0.03	0.12	<0.02J		2.38D	

Depth	CaCO ₃	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m ³			%	
0.4 - 0.6 20									78.5l		1.5
0.4 - 0.6 20									78.5l		1.5

Laboratory Analyses Completed for this profile

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