

Project Name: Nyabing Kukerin land resources survey
Project Code: NYA **Site ID:** 0129 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By:	Heather Percy	Locality:	
Date Desc.:	13/06/95	Elevation:	305 metres
Map Ref.:		Rainfall:	No Data
Northing/Long.:	6272610 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	606490 Datum: AGD84	Drainage:	Well drained

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Landform

Rel/Slope Class: Gently undulating rises 9-30m 1-3% **Pattern Type:** Rises

Morph. Type:	Lower-slope	Relief:	10 metres
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	2 %	Aspect:	90 degrees

Surface Soil Condition Hardsetting, Hardsetting

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

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Ferric Eutrophic Brown Chromosol	Principal Profile Form:	Dy2.53
ASC Confidence:	Great Soil Group:	N/A

Analytical data are incomplete but reasonable confidence.

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

Vegetation

Surface Coarse Fragments 10-20%, medium gravelly, 6-20mm, rounded, ; No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Brown (10YR5/3-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Moist; Loose
		consistence; 10-20%, fine gravelly, 2-6mm, rounded, , coarse fragments; Field pH 6 (Raupach);
A3	0.1 - 0.35 m	Light yellowish brown (10YR6/4-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Moist;
		Loose consistence; 20-50%, fine gravelly, 2-6mm, rounded, , coarse fragments; 2-10%, medium gravelly, 6-20mm, rounded, , coarse fragments; Field pH 8 (Raupach); Abrupt change to -
B21	0.35 - 0.6 m	Strong brown (7.5YR5/6-Moist); , 0-0% ; Clay loam, sandy; Massive grade of structure; Moist; 20-50%,
		fine gravelly, 2-6mm, rounded, , coarse fragments; 20-50%, medium gravelly, 6-20mm, rounded, , coarse fragments; Field pH 8.5 (Raupach); Gradual change to -
B22	0.6 - 0.8 m	Yellowish red (5YR4/6-Moist); , 0-0% ; Clay loam, sandy; Massive grade of structure; Moist; 20-50%,
		fine gravelly, 2-6mm, subrounded, , coarse fragments; 20-50%, medium gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 9 (Raupach); Gradual change to -
B23	0.8 - 0.9 m	Red (2.5YR4/6-Moist); , 0-0% ; Clay loam, sandy; Massive grade of structure; Moist; 20-50%, fine
		gravelly, 2 subrounded, , coarse fragments; Field pH 9 (Raupach);

Morphological Notes

Observation Notes

Site Notes

Base status =25.7 just in the Eutrophic range

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Project Code: **NYA** Site ID: **0129** Observation **1**
Agency Name: **Agriculture Western Australia**

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	5.2B 6.3H	4B								
0.15 - 0.25	6.7B 7.6H	3B								
0.35 - 0.55	7.4B 8.6H	5B	2.72E	1.89	1.05	0.4		8B	6.06D	5.00
0.35 - 0.55	7.4B 8.6H	5B	2.72E	1.89	1.05	0.4		8B	6.06D	5.00
0.4 - 0.5	7.3B 8.5H	6B								

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 - 0.1											
0.15 - 0.25											
0.35 - 0.55	<2C								72.5l		4
23.5											
0.35 - 0.55	<2C								72.5l		4
23.5											
0.4 - 0.5											

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMV	Exchangeable bases (Ca/Mg ratio) - Not recorded
15C1_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - alcoholic 1M ammonium chloride at pH 8.5,
pretreatment for	soluble salts
15C1_CEC	CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_K	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
soluble salts	
15C1_MG	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
soluble salts	
15C1_NA	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
soluble salts	
15J_BASES	Sum of Bases
15L1_a	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using
Sum of Cations	and measured clay
15N1_a	Exchangeable sodium percentage (ESP) - Auto calculated from available using CEC
15N1_b	Exchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations
19B_NR	Calcium Carbonate (CaCO ₃) - Not recorded
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