

Project Name: Nyabing Kukerin land resources survey
Project Code: NYA **Site ID:** 0567 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy
Date Desc.: 22/08/96
Map Ref.:
Northing/Long.: 6298160 AMG zone: 50
Easting/Lat.: 613000 Datum: AGD84
Locality:
Elevation: 355 metres
Rainfall: No Data
Runoff: No Data
Drainage: Well drained

Geology

Exposure Type: 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: 2 %
Relief: 30 metres
Slope Category: No Data
Aspect: 180 degrees

Surface Soil Condition Hardsetting, Hardsetting

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

Soil Classification

Australian Soil Classification: Ferric-Sodic Eutrophic Brown Kandosol
Mapping Unit: N/A
Principal Profile Form: Dy2.83
ASC Confidence: No analytical data and little or no knowledge of this soil.
Great Soil Group: N/A

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

Vegetation

Surface Coarse Fragments 2-10%, medium gravelly, 6-20mm, rounded, ; No surface coarse fragments

Profile Morphology

A1 0 - 0.1 m Dark greyish brown (10YR4/2-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Moist; 10-20%, fine gravelly, 2-6mm, rounded, , coarse fragments; Field pH 6.5 (Raupach); Sharp, Smooth change to -
A21e 0.1 - 0.4 m Light grey (10YR7/2-Moist); , 0-0% ; Sand; Single grain grade of structure; Moist; 20-50%, fine gravelly, 2-6mm, rounded, , coarse fragments; Field pH 7 (Raupach); Diffuse change to -
A22c 0.4 - 0.7 m Pale brown (10YR6/3-Moist); , 0-0% ; Single grain grade of structure; Wet; 50-90%, fine gravelly, 2-6mm, rounded, , coarse fragments; Field pH 7 (Raupach); Clear change to -
B2tc 0.7 - 0.9 m Yellowish brown (10YR5/8-Moist); , 0-0% ; Massive grade of structure; Moist; 50-90%, fine gravelly, 2-6mm, rounded, , coarse fragments; Field pH 8.5 (Raupach);

Morphological Notes

A22c Medium sandy gravel.
B2tc Medium sandy clay loam with gravel.

Observation Notes

Site Notes

Site located about 50 metres below breakaway.

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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				%
0.7 - 0.9	7B 8.6H	7B	1.38E	2.33	0.21	1.16		7B	5.08D	16.57

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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
0.7 - 0.9 22.5	<2C	0.54D						75.5I 2
0.7 - 0.9 22.5	<2C	0.54D						75.5I 2

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
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
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