

Project Name: Nyabing Kukerin land resources survey
Project Code: NYA **Site ID:** 0312 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy
Date Desc.: 31/07/95
Map Ref.:
Northing/Long.: 6243795 AMG zone: 50
Easting/Lat.: 626780 Datum: AGD84
Locality:
Elevation: 290 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: Upper-slope
Elem. Type: Hillcrest
Slope: 3 %
Relief: 5 metres
Slope Category: No Data
Aspect: 90 degrees

Surface Soil Condition Hardsetting, Hardsetting

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

Soil Classification

Australian Soil Classification: Mesotrophic Hypernatric Brown Sodosol
ASC Confidence: All necessary analytical data are available.
Mapping Unit: N/A
Principal Profile Form: Dy2.41
Great Soil Group: N/A

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

Vegetation

Surface Coarse Fragments 10-20%, medium gravelly, 6-20mm, angular, Quartz; 2-10%, , subangular, Quartz

Profile Morphology

A1 0 - 0.08 m Very dark brown (10YR2/2-Moist); , 0-0% ; Sand; Massive grade of structure; Moderately moist; Field pH 6 (Raupach); Abrupt change to -
 A2e 0.08 - 0.12 m Pale brown (10YR6/3-Moist); , 0-0% ; Clayey sand; Massive grade of structure; Moderately moist; Field pH 6 (Raupach); Abrupt, Wavy change to -
 B2 0.12 - 0.4 m Strong brown (7.5YR5/8-Moist); , 0-0% ; Medium clay; Moderate grade of structure; Smooth-ped fabric; Dry; Field pH 6 (Raupach);

Morphological Notes

Observation Notes

Site Notes

Lupins in paddock to north of site - "hardsetting grey clay".

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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 - 0.08	4.6B 5.7H	13B	1.93H	0.56	0.26	0.11	0.13J		2.86D	
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0 - 0.08	4.6B 5.7H	13B	1.93H	0.56	0.26	0.11	0.13J		2.86D	
0.12 - 0.32	4.8B 6H	16B	0.92H	2.82	0.22	1.7	0.24J		5.66D	

0.12 - 0.32	4.8B 6H	16B	0.92H	2.82	0.22	1.7	0.24J	5.66D
0.12 - 0.32	4.8B 6H	16B	0.92H	2.82	0.22	1.7	0.24J	5.66D

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 - 0.08 4.5		1.59D						92.5I 3
0 - 0.08 4.5		1.59D						92.5I 3
0 - 0.08 4.5		1.59D						92.5I 3
0.12 - 0.32 57		0.56D						40.5I 2.5
0.12 - 0.32 57		0.56D						40.5I 2.5
0.12 - 0.32 57		0.56D						40.5I 2.5

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
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