

Project Name: Nyabing Kukerin land resources survey
Project Code: NYA **Site ID:** 0420 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy
Date Desc.: 31/08/95
Map Ref.:
Northing/Long.: 6247350 AMG zone: 50
Easting/Lat.: 639200 Datum: AGD84
Locality:
Elevation: No Data
Rainfall: No Data
Runoff: No Data
Drainage: Poorly 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: 1 %
Relief: No Data
Slope Category: No Data
Aspect: 225 degrees

Surface Soil Condition Cracking, Hardsetting

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

Soil Classification

Australian Soil Classification: Epibasic Pedal Hypocalcic Calcarosol
ASC Confidence: All necessary analytical data are available.
Mapping Unit: N/A
Principal Profile Form: Uf6.13
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; No surface coarse fragments

Profile Morphology

Ap 0 - 0.05 m Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Sandy light clay; Weak grade of structure, 10-20 mm, Subangular blocky; Rough-ped fabric; Dry; Very firm consistence; Field pH 7 (Raupach); Abrupt, Wavy change to -
 B21 0.05 - 0.3 m Brown (10YR5/3-Moist); , 0-0% ; Light medium clay; Moderate grade of structure; Rough-ped fabric; Dry; Strong consistence; Soil matrix is Slightly calcareous; Field pH 9 (Raupach); Gradual change to -
 B22 0.3 - 0.4 m Light olive brown (2.5Y5/4-Moist); , 0-0% ; Sandy medium clay; Weak grade of structure; Rough-ped fabric; Moderately moist; Very firm consistence; Soil matrix is Slightly calcareous; Field pH 9.5 (Raupach);

Morphological Notes

Observation Notes

Site Notes

Site in medic pasture - 50 metres downslope of a dolerite dyke. Field textures indicate a Grey non-cracking clay (not PSA).

Project Name: Nyabing Kukerin land resources survey
Project Code: NYA **Site ID:** 0420 **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 - 0.05	6.8B	11B	7.34A	7.07	1.06	1.23			16.7D	

0 - 0.05	7.8H 6.8B	11B	7.34A	7.07	1.06	1.23			16.7D	
0 - 0.05	7.8H 6.8B	11B	7.34A	7.07	1.06	1.23			16.7D	
0.05 - 0.25	7.8H 8B	22B	7.26E	6.76	0.89	2.63		19B	17.54D	13.84
0.05 - 0.25	9H 8B	22B	7.26E	6.76	0.89	2.63		19B	17.54D	13.84
0.05 - 0.25	9H 8B	22B	7.26E	6.76	0.89	2.63		19B	17.54D	13.84
	9H									

Depth	CaCO ₃	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis	GV	CS	FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m ³				%	
0 - 0.05 30		1.15D								61.5I		8.5
0 - 0.05 30		1.15D								61.5I		8.5
0 - 0.05 30		1.15D								61.5I		8.5
0.05 - 0.25 41	<2C	0.34D								53I		6
0.05 - 0.25 41	<2C	0.34D								53I		6
0.05 - 0.25 41	<2C	0.34D								53I		6

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
15A1_CA for soluble	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment
15A1_CEC	salts
15A1_K for soluble	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_MG for soluble	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment
15A1_NA for soluble	salts
15C1_CA pretreatment for	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment
15C1_CEC	salts
15C1_K soluble salts	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_MG soluble salts	CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_NA soluble salts	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
15J_BA	Sum of Bases
15L1_a Sum of Cations	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using
15N1_a	and measured clay
15N1_b	Exchangeable sodium percentage (ESP) - Auto calculated from available using CEC
19B_N	Exchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations
3_N	Calcium Carbonate (CaCO ₃) - Not recorded
	Electrical conductivity or soluble salts - Not recorded

Project Name: Nyabing Kukerin land resources survey
Project Code: NYA **Site ID:** 0420 **Observation** 1
Agency Name: Agriculture Western Australia

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