

Project Name: Nyabing Kukerin land resources survey
Project Code: NYA **Site ID:** 0638 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Melanie Roberts **Locality:**
Date Desc.: 16/10/96 **Elevation:** 280 metres
Map Ref.: **Rainfall:** No Data
Northing/Long.: 6301915 AMG zone: 50 **Runoff:** No Data
Easting/Lat.: 633675 Datum: AGD84 **Drainage:** Imperfectly 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 plains <9m 1-3% **Pattern Type:** Playa plain

Morph. Type: Simple-slope **Relief:** 0 metres
Elem. Type: Lunette **Slope Category:** No Data
Slope: 1 % **Aspect:** 0 degrees

Surface Soil Condition Hardsetting, Hardsetting

Erosion (wind); (scald) (sheet) (rill) (mass) (gully)
 (stbank) (tunnel)

Soil Classification

Australian Soil Classification: **Mapping Unit:** N/A
 Calcareous Sodosolic Salic Hydrosol **Principal Profile Form:** N/A
ASC Confidence: **Great Soil Group:** N/A
 All necessary analytical data are available.

Site Disturbance No effective disturbance. Natural

Vegetation

Surface Coarse Fragments No surface coarse fragments; No surface coarse fragments

Profile Morphology

A1 0 - 0.12 m Greyish brown (10YR5/2-Moist); ; Sand; Single grain grade of structure; Moderately moist; Field pH 7.2
 (pH meter); Sharp, Smooth change to -
 B2 0.12 - 0.35 m Greyish brown (10YR5/2-Moist); ; Light clay; Weak grade of structure, 2-5 mm, ; Moderately moist; Field pH 8.5 (pH meter);

Morphological Notes

Observation Notes

Site Notes

Both horizons sampled for chemical analysis.

Project Name: Nyabing Kukerin land resources survey
Project Code: NYA **Site ID:** 0638 **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 - 0.12	7.2B 8.3H	37B	0.41E	1.31	0.42	0.65		3B	2.79D	21.67
0 - 0.12	7.2B 8.3H	37B	0.41E	1.31	0.42	0.65		3B	2.79D	21.67
0.12 - 0.35	8.5B 8.8H	460B	0.61E	6.65	3.01	6.99		15B	17.26D	46.60
0.12 - 0.35	8.5B 8.8H	460B	0.61E	6.65	3.01	6.99		15B	17.26D	46.60

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
								GV CS FS Silt

m	%	Clay %	mg/kg	%	%	%	Mg/m3	%
0 - 0.12 3.5	<2C	0.38D					92I	4.5
0 - 0.12 3.5	<2C	0.38D					92I	4.5
0.12 - 0.35 39	<2C	0.37D					46I	15
0.12 - 0.35 39	<2C	0.37D					46I	15

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 pretreatment for	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - alcoholic 1M ammonium chloride at pH 8.5, soluble salts
15C1_CEC	CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_K soluble salts	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
15C1_MG soluble salts	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
15C1_NA soluble salts	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
15J_BASES	Sum of Bases
15L1_a Sum of Cations	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using 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 (CaCO3) - 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