

Project Name: Nyabing Kukerin land resources survey
Project Code: NYA **Site ID:** 0635 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Melanie Roberts
Date Desc.: 15/10/96
Map Ref.:
Northing/Long.: 6300649 AMG zone: 50
Easting/Lat.: 629981 Datum: AGD84
Locality:
Elevation: 290 metres
Rainfall: No Data
Runoff: No Data
Drainage: Moderately 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: Level plain <9m <1%
Morph. Type: Flat
Elem. Type: Plain
Slope: 0 %
Pattern Type: Alluvial plain
Relief: 0 metres
Slope Category: No Data
Aspect: 0 degrees

Surface Soil Condition Loose

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

Soil Classification

Australian Soil Classification:
 Eutrophic Mottled-Hypernatric Grey Sodosol
ASC Confidence:
 All necessary analytical data are available.
Mapping Unit: N/A
Principal Profile Form: N/A
Great Soil Group: N/A

Site Disturbance Cultivation. Rainfed

Vegetation

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

Profile Morphology

A1	0 - 0.15 m	Very dark greyish brown (10YR3/2-Moist); ; Loamy sand; Single grain grade of structure; Dry; Water repellent; Field pH 6 (Raupach); Sharp, Wavy change to -
A21e	0.15 - 0.5 m	Light brownish grey (10YR6/2-Moist); ; Sand; Single grain grade of structure; Dry; Field pH 7 (Raupach); Abrupt, Wavy change to -
A22e	0.5 - 0.6 m	Pale brown (10YR6/3-Moist); ; Sand; Single grain grade of structure; Moderately moist; Field pH 7 (Raupach); Abrupt, Wavy change to -
B2	0.6 - 0.8 m	Light brownish grey (10YR6/2-Moist); Mottles, 2.5YR58, 20-50% , 30-mm, Prominent; Sandy clay loam; Weak grade of structure, <2 mm, ; Moist; Field pH 6.5 (Raupach);

Morphological Notes

Observation Notes

Site Notes

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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				%
0.6 - 0.8	5B 6.4H	13B	0.4H	1.98	0.1	1.21	0.05J		3.69D	
0.6 - 0.8	5B 6.4H	13B	0.4H	1.98	0.1	1.21	0.05J		3.69D	

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				%	
0.6 - 0.8 21.5		0.17D								76.5l		2
0.6 - 0.8 21.5		0.17D								76.5l		2

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
15_NR_MN	Exchangeable bases (Mn++) - meq per 100g of soil - 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_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