Project Name: Nyabing Kukerin land resourcs survey
Project Code: NYA **Site ID:** 0565 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy
Date Desc.: 22/08/96
Map Ref.:
Northing/Long.: 6297280 AMG zone: 50
Easting/Lat.: 622930 Datum: AGD84
Locality:
Elevation: 310 metres
Rainfall: No Data
Runoff: No Data
Drainage: Moderately 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: Lower-slope
Elem. Type: Hillslope
Slope: 3 %
Relief: 12 metres
Slope Category: No Data
Aspect: 180 degrees

Surface Soil Condition

Hardsetting, Hardsetting

Erosion

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

Soil Classification

Australian Soil Classification:
Ferric Mesotrophic Brown Chromosol
ASC Confidence:
All necessary analytical data are available.
Mapping Unit: N/A
Principal Profile Form: Dy2.52
Great Soil Group: N/A

Site Disturbance

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

Vegetation

Surface Coarse Fragments

No surface coarse fragments; No surface coarse fragments

Profile Morphology

A1 0 - 0.08 m Brown (10YR4/3-Moist); , 0-0% ; Clayey sand; Massive grade of structure; Moist; 10-20%, fine gravelly, 2-6mm, rounded, , coarse fragments; Field pH 6 (Raupach); Abrupt, Smooth change to -

B21 0.08 - 0.4 m Yellowish brown (10YR5/8-Moist); , 0-0% ; Sandy clay loam; Massive grade of structure; Moist; 10-20%, fine gravelly, 2-6mm, subrounded, , coarse fragments; 2-10%, medium gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 7 (Raupach); Gradual change to -

B22 0.4 - 0.6 m Strong brown (7.5YR5/8-Moist); , 0-0% ; Sandy clay loam; Massive grade of structure; Moist; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; 20-50%, medium gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 7 (Raupach);

Morphological Notes

Observation Notes

Site Notes

Site in cereal crop stubble with dense subterranean clover.

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable Acidity	CEC	ECEC	ESP
			Ca	Mg	K	Na				
m		dS/m	Cmol (+)/kg							%
0 - 0.08	4.6B 5.4H	12B	2.44H	0.88	0.38	0.13	0.2J		3.83D	
0 - 0.08	4.6B 5.4H	12B	2.44H	0.88	0.38	0.13	0.2J		3.83D	
0.08 - 0.3	5.1B	3B	2.09H	1.28	0.04	0.18			3.59D	

0.08 - 0.3	6.2H 5.1B 6.2H	3B	2.09H	1.28	0.04	0.18					3.59D	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	GV	Particle Size Analysis CS	FS	Silt
m	%	Clay %	mg/kg	%	%	%	Mg/m3			%	
0 - 0.08		1.72D							79.5I		7
13.5											
0 - 0.08		1.72D							79.5I		7
13.5											
0.08 - 0.3		0.41D							66.5I		7.5
26											
0.08 - 0.3		0.41D							66.5I		7.5
26											

Laboratory Analyses Completed for this profile

15_NR_AL	Aluminium Cation - meq per 100g of soil - Not recorded
15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMR	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 (Ca2+,Mg2+,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 (Mn2+) 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