Project Name: Nyabing Kukerin land resourcs survey

Project Code: Site ID: 0190 Observation ID: 1 NYA

Agriculture Western Australia Agency Name:

Site Information

Desc. By: Heather Percy Locality: Elevation: 05/07/95

Date Desc.: Map Ref.:

Rainfall: No Data Northing/Long.: 6257780 AMG zone: 50 Runoff: No Data 597790 Datum: AGD84

Easting/Lat.:

Drainage: Poorly drained

310 metres

Geology

ExposureType: Conf. Sub. is Parent. Mat.: Auger boring No Data Geol. Ref.: No Data **Substrate Material:** No Data

Landform

Rel/Slope Class: Level plain <9m <1% Pattern Type: Alluvial plain Morph. Type: Relief: 5 metres Flat Elem. Type: Plain Slope Category: No Data Slope: 0 % Aspect: No Data

Surface Soil Condition Hardsetting, Hardsetting

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

Soil Classification

Australian Soil Classification: Mapping Unit: N/A Hypocalcic Hypernatric Red Sodosol **Principal Profile Form:** Dr2.13 **ASC Confidence: Great Soil Group:** N/A

All necessary analytical data are available.

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

Vegetation

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

6 (Raupach); Abrupt, Wavy change to -

Profile Morphology

0 - 0.08 m Very dark grey (10YR3/1-Moist); , 0-0%; Clay loam, sandy; Massive grade of structure; Aр

Moist; Field pH

B21 0.08 - 0.4 m Reddish brown (5YR4/4-Moist); , 0-0%; Sandy light medium clay; Moderate grade of

structure:

Moderately moist; Weak consistence; Field pH 7.5 (Raupach); Clear change to -

B22 0.4 - 0.7 m Light yellowish brown (10YR6/4-Moist); , 0-0%; Sandy light medium clay; Weak grade of

structure:

Rough-ped fabric; Dry; Very firm consistence; Very few (0 - 2 %), Calcareous, Medium (2

-6 mm), Soft segregations; Soil matrix is Moderately calcareous; Field pH 9.5 (Raupach);

Morphological Notes

Observation Notes

Site Notes

Site near boundary between plain and rise (Tn2).

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Laboratory Test Results:

Depth	рН	1:5 EC	Ex Ca	changeab Mg	le Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	Oa .	wg	K		(+)/kg			%
0 - 0.08	5.4B 6.4H	17B	3.42H	2.53	0.33	0.66	<0.02J		6.94D	
0 - 0.08	5.4B 6.4H	17B	3.42H	2.53	0.33	0.66	<0.02J		6.94D	
0 - 0.08	5.4B 6.4H	17B	3.42H	2.53	0.33	0.66	<0.02J		6.94D	
0 - 0.1 0.08 - 0.28	5.2B 6.2B	13B	1.9A	2.9	0.05	1.9			6.75D	

	7.5H						
0.08 - 0.28	6.2B	13B	1.9A	2.9	0.05	1.9	6.75D
	7.5H						
0.08 - 0.28	6.2B	13B	1.9A	2.9	0.05	1.9	6.75D
	7.5H						
0.15 - 0.25	6.2B						
0.4 - 0.5	7.7B						

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particl GV CS	e Size Analysis FS Silt
m	%	%	mg/kg	%	%	%	Mg/m3		%
0 - 0.08 12.5		2.14D						80	7.5
0 - 0.08 12.5		2.14D						80	7.5
0 - 0.08 12.5 0 - 0.1		2.14D						80	7.5
0.08 - 0.28 18		0.47D						74	l 8
0.08 - 0.28 18		0.47D						74	l 8
0.08 - 0.28 18 0.15 - 0.25 0.4 - 0.5		0.47D						74	l 8

Laboratory Analyses Completed for this profile

15_NR_BSa 15_NR_CMR 15A1_CA for soluble	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available Exchangeable bases (Ca/Mg ratio) - Not recorded Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
	salts
15A1_CEC 15A1_K	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15A1_MG for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
	salts
15A1_NA for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
	salts
15E1_AL 15E1_CA	Exchangeable AI - by compulsive exchange, no pretreatment for soluble salts Exchangeable bases (Ca2+,Mg2+,Na+,K+) by compulsive exchange, no pretreatment for soluble
salts	
15E1_K 15E1_MG	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_MG 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
15L1_a Sum of Cations	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using
	and measured clay

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Exchangeable sodium percentage (ESP) - Auto calculated from available using CEC Exchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations Electrical conductivity or soluble salts - Not recorded

15N1_a 15N1_b 3_NR

4_NR pH of soil - Not recorded

4B1

pH of 1:5 soil/0.01M calcium chloride extract - direct Organic carbon (%) - Uncorrected Walkley and Black method

4B1 6A1_UC P10_gt2m P10_NR_C P10_NR_S P10_NR_Z > 2mm particle size analysis, (method not recorded)
Clay (%) - Not recorded
Sand (%) - Not recorded Silt (%) - Not recorded