

Project Name: Nyabing Kukerin land resources survey
Project Code: NYA **Site ID:** 0125 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By:	Heather Percy	Locality:	
Date Desc.:	13/06/95	Elevation:	300 metres
Map Ref.:		Rainfall:	No Data
Northing/Long.:	6268760 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	605250 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:** Plain

Morph. Type:	Flat	Relief:	5 metres
Elem. Type:	Plain	Slope Category:	No Data
Slope:	1 %	Aspect:	No Data

Surface Soil Condition Hardsetting, Hardsetting

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

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Ferric Mesonatric Yellow Sodosol	Principal Profile Form:	Dy3.43
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 10-20%, medium gravelly, 6-20mm, subrounded, ; No surface coarse fragments

Profile Morphology

A1 0 - 0.1 m Loose pH 5.5	Dark greyish brown (10YR4/2-Moist); , 0-0% ; Sand; Single grain grade of structure; Wet; consistence; 10-20%, medium gravelly, 6-20mm, subrounded, , coarse fragments; Field (Raupach); Abrupt change to -
A21e 0.1 - 0.3 m consistence; gravelly, 6-20mm,	Pale brown (10YR6/3-Moist); , 0-0% ; Sand; Single grain grade of structure; Wet; Loose 10-20%, fine gravelly, 2-6mm, subrounded, , coarse fragments; 20-50%, medium subrounded, , coarse fragments; Field pH 6 (Raupach);
A22ec 0.3 - 0.5 m consistence; 10-20%, 6mm, subrounded, , Field pH 6.5	Pale brown (10YR6/3-Moist); , 0-0% ; Single grain grade of structure; Wet; Loose fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; 20-50%, fine gravelly, 2-coarse fragments; 20-50%, medium gravelly, 6-20mm, subrounded, , coarse fragments; (Raupach); Clear, Wavy change to -
B2t 0.5 - 0.75 m medium clay; Weak coarse (Raupach);	Brownish yellow (10YR6/6-Moist); Mottles, 2.5Y73, 10-20% , 5-15mm, Faint; Light grade of structure; Rough-ped fabric; Dry; 10-20%, fine gravelly, 2-6mm, subrounded, , fragments; Common (10 - 20 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 8

Morphological Notes

A22ec	Coarse sand(KS).
B2t	pH 8.5 at 70cm.

Observation Notes

Site Notes

Site in cereal stubble.

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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 - 0.1	4.3B	8B								
	5.1H									
0.15 - 0.25	4.3B	1B								
	5.2H									
0.35 - 0.45	5.7B	2B								
	6.6H									
0.5 - 0.7	6.6B	9B	2.37A	4.1	0.21	1.53			8.21D	
	7.9H									
0.5 - 0.7	6.6B	9B	2.37A	4.1	0.21	1.53			8.21D	
	7.9H									

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size	Analysis
m	%	Clay %	mg/kg	%	%	%	Mg/m3	GV CS FS	Silt
0 - 0.1									
0.15 - 0.25									
0.35 - 0.45									
0.5 - 0.7								34.5I	4
0.5 - 0.7								34.5I	4

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	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15A1_CEC	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_K	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15A1_MG	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15A1_NA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15J_BASES	Sum of Bases
15L1_a	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using
Sum of Cations	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
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
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