Project Name: Project Code: Agency Name:	Nyabing Kukerin land resourcs survey NYA Site ID: 0412 Observation ID: 1 Agriculture Western Australia							
Site Information	า							
Desc. By: Date Desc.: Map Ref.: Northing/Long.: Easting/Lat.:	Heather Percy 30/08/95 6242650 AMG zone: 50 634400 Datum: AGD84	Locality: Elevation: Rainfall: Runoff: Drainago:	270 metres No Data No Data	od.				
<u>Geology</u> ExposureType: Geol. Ref.:	Auger boring No Data	Conf. Sub. is Pare	Drainage: Imperfectly drained Conf. Sub. is Parent. Mat.: No Data Substrate Material: No Data					
<u>Landform</u> Rel/Slope Class:	Gently undulating rises 9-30r	m 1-3%	Pattern Type:	Rises				
Morph. Type: Elem. Type: Slope:	Lower-slope Hillslope 1 %	Relief: Slope Category: Aspect:	5 metres No Data 270 degrees					
Surface Soil Co	ndition Hardsetting	, Hardsetting	-					
Erosion (wind	d); (sheet) (rill) (gully)							
Soil Classificat	ion							
Australian Soil Cl Hypercalcic Subna ASC Confidence	tric Grey Sodosol	Princi	Mapping Unit:N/APrincipal Profile Form:Dy2.13Great Soil Group:N/A					
	lytical data are available. <u>e</u> Complete clearing. Pastur	e native or improved culti	ivated at some star					
Vegetation Surface Coarse fragments		edium gravelly, 6-20mm, a						
Profile Morphol A1 0 - 0.08 r Dry; Field pH 6.5		3/1-Moist); , 0-0% ; Sandy avy change to -	clay loam; Massive	grade of structure;				
B21 0.08 - 0.2	25 m Pale brown (10YR6/3-	Moist) 0-0% · Sandy me	dium clav: Moderati	e grade of structure.				
Dry; Soil matrix		 m Pale brown (10YR6/3-Moist); , 0-0%; Sandy medium clay; Moderate grade of structure; is Slightly calcareous; Field pH 9 (Raupach); Clear change to - 						
B22k 0.25 - 0.3	32 m Brown (10YR5/3-Mois	t); Mottles, 5YR56, 10-20%	6, 0-5mm, Distinct;	Light medium clay;				
Moderate grade Soft	of structure; Rough-pe	ed fabric; Dry; Many (20 - 5	0 %), Calcareous, (Coarse (6 - 20 mm),				
	segregations; Soil mat	trix is Moderately calcareout	us; Field pH 9.5 (Ra	aupach);				
Morphological B21 Observation No	Organic cutans.							

Observation Notes

Site Notes

"Hardsetting grey clay".

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Agency Name:	Agriculture Wes	alia			

Laboratory Test Results:

Depth	рН	1:5 EC	E Ca	xchangeabl Mg	le Cations K	Exchangeable Na Acidity	CEC	ECEC	ESP
m		dS/m	Ga	Mg	ĸ	Cmol (+)/kg			%
0 - 0.08	6.2B 6.8H	27B	6.39A	4.3	0.61	0.55		11.85D	
0 - 0.08	6.2B 6.8H	27B	6.39A	4.3	0.61	0.55		11.85D	
0 - 0.08	6.2B	27B	6.39A	4.3	0.61	0.55		11.85D	

0.08 - 0.28	6.8H 8.3B 9.1H	38B	4.24E	5.56	0.66	1.54	13B	12D	11.85
0.08 - 0.28	8.3B 9.1H	38B	4.24E	5.56	0.66	1.54	13B	12D	11.85
0.08 - 0.28	8.3B 9.1H	38B	4.24E	5.56	0.66	1.54	13B	12D	11.85

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV CS	Size Analysis FS Silt
m	%	%	mg/kg	%	%	%	Mg/m3		%
0 - 0.08 17		2.31D						72.51	10.5
0 - 0.08 17		2.31D						72.51	10.5
0 - 0.08 17		2.31D						72.51	10.5
0.08 - 0.28 45.5	2C	0.44D						45.51	9
0.08 - 0.28 45.5	2C	0.44D						45.51	9
43.3 0.08 - 0.28 45.5	2C	0.44D						45.51	9

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
15A1_CEC	salts
15A1_K	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
15A1_MG	salts
for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
15A1_NA	salts
for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
15C1_CA	salts
pretreatment for	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - alcoholic 1M ammonium chloride at pH 8.5,
15C1_CEC	soluble salts
15C1_K	CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
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 15L1_a Sum of Cations	Sum of Bases Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using
15N1_a 15N1_b 19B_NR 3_NR	and measured clay Exchangeable sodium percentage (ESP) - Auto calculated from available using CEC Exchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations Calcium Carbonate (CaCO3) - Not recorded Electrical conductivity or soluble salts - Not recorded

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4_NRpH of soil - Not recorded4B1pH of 1:5 soil/0.01M calcium chloride extract - direct6A1_UCOrganic carbon (%) - Uncorrected Walkley and Black methodP10_gt2m> 2mm particle size analysis, (method not recorded)P10_NR_CClay (%) - Not recordedP10_NR_SSand (%) - Not recordedP10_NR_ZSilt (%) - Not recorded

Observation

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