Project Name: Project Code: Agency Name:	Nyabing Kukerin land resourcs survey NYA Site ID: 0494 Observation ID: 1 Agriculture Western Australia							
Site Information	<u>1</u>							
Desc. By: Date Desc.: Map Ref.:	Heather Percy 26/03/96	Locality: Elevation: Rainfall:	305 metres No Data					
Northing/Long.: Easting/Lat.: <u>Geology</u>	6333320 AMG zone: 50 621050 Datum: AGD84	Runoff: Drainage:	No Data Poorly drained					
ExposureType: Geol. Ref.:	Soil pit No Data	Conf. Sub. is Parent. Mat.: No Data Substrate Material: No Data						
<u>Landform</u> Rel/Slope Class:	Gently undulating rises 9-30m 1-	-3%	Pattern Type:	Rises				
Morph. Type: Elem. Type: Slope:	Mid-slope Hillslope 1 %	Relief: Slope Category: Aspect:	30 metres No Data 90 degrees					
Surface Soil Co		•	oo degrees					
	l); (sheet) (rill) (gully)							
Australian Soil Cla			ing Unit: ipal Profile Form:	N/A				
Hypocalcic Subnat ASC Confidence:			Soil Group:	Dy3.13 N/A				
•	lytical data are available.							
Site Disturbance Vegetation	e Complete clearing. Pasture, na	ative or improved, cul	tivated at some stag	e				
Surface Coarse	Fragments No surface coa	rse fragments; No su	face coarse fragmer	nts				
Profile Morphol		C	C C					
A1 0 - 0.08 m Dark greyish brown (10YR4/2-Moist); , 0-0% ; Clayey coarse sand; Massive grade of								
structure; Dry; Very weak consistence; Field pH 6 (Raupach); Abrupt, Smooth change to -								
B21 0.08 - 0.3 structure; Dry; Stron		Pale brown (10YR6/3-Moist); , 0-0% ; Coarse sandy light clay; Massive grade of						
(Raupach); Clear,		consistence; 2-10%, fine gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 8 $$						
(Raupacii), Clear,	Wavy change to -	Wavy change to -						
B22 0.35 - 1.1 clay; Moderate	m Light grey (10YR7/2-Moist	Light grey (10YR7/2-Moist); Mottles, 2.5YR46, 10-20% , 5-15mm, Distinct; Light medium						
Soil matrix is	grade of structure, 100-200 mm, Prismatic; Rough-ped fabric; Dry; Strong consistence;							
	Slightly calcareous; Field p	Slightly calcareous; Field pH 9.5 (Raupach); Clear, Wavy change to -						
B3 1.1 - 1.35 10% , 5-15mm,	m Light grey (10YR7/2-Moist	Light grey (10YR7/2-Moist); Mottles, 2.5YR46, 2-10% , 5-15mm, Distinct; , 7.5YR46, 2-						
Rough-ped fabric;	Distinct; Coarse sandy cla	Distinct; Coarse sandy clay loam; Weak grade of structure, 20-50 mm, Polyhedral;						
Dry; Strong consistence; 10-20%, medium gravelly, 6-20mm, subangular, Qua fragments; 10-				gular, Quartz, coarse				
calcareous; Field	20%, medium gravelly, 6-2	20mm, subrounded, ,	coarse fragments; S	oil matrix is Slightly				
····, ···,	pH 9.5 (Raupach); Abrupt	, Wavy change to -						
C 1.35 - 1.7 Moderate grade of	m White (10YR8/1-Moist); M	ottles, 2.5YR46, 2-10	% , 15-30mm, Distin	ct; Light clay;				
is Slightly	structure, 20-50 mm, Polyl	hedral; Rough-ped fal	oric; Dry; Strong con	sistence; Soil matrix				
	calcareous; Field pH 9.5 (I	Raupach);						
Morphological N	Not ouro of toxturo on yory	arith (

Morphological Notes B3 C

Not sure of texture as very gritty. Possibly weathered gneiss, kaolinitic clay.

Observation Notes

Site Notes

Project Name:	Nyabing K	Sukerin land rese	ourcs surve	у
Project Code:	NYA	Site ID:	0494	Obs
Agency Name:	Agricultur	e Western Austr	alia	

servation 1

Laboratory Test Results:

Depth	pН	1:5 EC	Exe	changeabl Mg	le Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	Ga	Wg	ĸ		(+)/kg			%
0 - 0.08	5B 6H	9B	2.7H	1.18	0.17	0.35	0.07J		4.4D	
0 - 0.08	5B 6H	9B	2.7H	1.18	0.17	0.35	0.07J		4.4D	
0 - 0.1	4.9B 5.9H	8B								
0 - 0.1	4.9B 5.9H	8B								
0.08 - 0.28	7.2B 8.5H	10B	2.3E	3.97	0.21	1.03		9B	7.51D	11.44
0.08 - 0.28	7.2B 8.5H	10B	2.3E	3.97	0.21	1.03		9B	7.51D	11.44
0.28 - 0.35	8.1B 9.2H	20B	2.3E	5.79	0.32	1.97		11B	10.38D	17.91
0.28 - 0.35	8.1B 9.2H	20B	2.3E	5.79	0.32	1.97		11B	10.38D	17.91
0.35 - 0.75	8.2B 9.4H	30B	1.5E	6.63	0.65	4.13		13B	12.91D	31.77
0.35 - 0.75	8.2B 9.4H	30B	1.5E	6.63	0.65	4.13		13B	12.91D	31.77
0.75 - 1.1	8.1B 9.4H	32B	0.54E	5.08	0.62	5.54		12B	11.78D	46.17
0.75 - 1.1	8.1B 9.4H	32B	0.54E	5.08	0.62	5.54		12B	11.78D	46.17
1.1 - 1.35	8B 9.4H	29B	0.21E	3.19	0.52	4.08		8B	8D	51.00
1.1 - 1.35	8B 9.4H	29B	0.21E	3.19	0.52	4.08		8B	8D	51.00
1.35 - 1.7	8.4B 9.1H	140B	0.11E	3.06	0.52	6.03		8B	9.72D	75.38
1.35 - 1.7	8.4B 9.1H	140B	0.11E	3.06	0.52	6.03		8B	9.72D	75.38

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 6.8		0.94D		130B					4.5
0 - 0.08 6.8		0.94D		130B					4.5
0 - 0.1 0 - 0.1		0.98D 0.98D		140B 140B	0.058E 0.058E				
0.08 - 0.28 26.8	<2C	0.2D		36B	0.0002				4.2
20.8 0.08 - 0.28 26.8	<2C	0.2D		36B					4.2
26.8 0.28 - 0.35 39.8	<2C	0.12D		37B					4
0.28 - 0.35 39.8	<2C	0.12D		37B					4
0.35 - 0.75 46.2	<2C	0.09D		39B					5.5
0.35 - 0.75 46.2	<2C	0.09D		39B					5.5
0.75 - 1.1 40.9	<2C	0.05D		37B					6.1
0.75 - 1.1 40.9	<2C	0.05D		37B					6.1

	<2C	0.03D	32B	2.1
23.4 1.1 - 1.35 23.4	<2C	0.03D	32B	2.1

Project Name: Project Code: Agency Name	NYA	kerin land resourcs surve Site ID: 0494 Western Australia	/ Observation 1	
1.35 - 1.7	<2C 0.05D	90B		15.4
37.9 1.35 - 1.7 37.9	<2C 0.05D	90B		15.4
	lyses Completed f			
15_NR_BSa 15_NR_CMR 15C1_CA pretreatment for	Exchangeable ba Exchangeable ba	ases (Ca++) - meq per 100g of ases (Ca/Mg ratio) - Not recorde ases (Ca2+,Mg2+,Na+,K+) - alc	ed	
15C1_CEC 15C1_K soluble salts		M ammonium chloride at pH 8 ases and CEC - alcoholic 1M ar		
15C1_MG soluble salts	Exchangeable ba	ases and CEC - alcoholic 1M a	nmonium chloride at pH 8.5	, pretreatment for
15C1_NA soluble salts	Exchangeable ba	ases and CEC - alcoholic 1M a	nmonium chloride at pH 8.5	, pretreatment for
15E1_AL 15E1_CA salts		- by compulsive exchange, no ases (Ca2+,Mg2+,Na+,K+) by c		
15E1_K 15E1_MG 15E1_MN 15E1_NA 15J_BASES 15L1_a Sum of Cations	Exchangeable ba Exchangeable ba Exchangeable ba Sum of Bases	ases, CEC and AEC by compul ases, CEC and AEC by compul ases (Mn2+) by compulsive exc ases, CEC and AEC by compul ases Base saturation percentag	sive exchange, no pretreatm hange, no pretreatment for sive exchange, no pretreatm	nent for soluble salts soluble salts nent for soluble salts
15N1_a 15N1_b 18A1_NR 19B_NR 3_NR 4_NR 4B_AL_NR 4B1 6A1_UC 7A1 9A3 9B_NR 9H1 P10_1m2m P10_20_75 P10_75_106 P10_9t2m P10_NR_C P10_NR_C P10_NR_Z P10106_150 P10180_300 P101300_600 P106001000	Exchangeable so Bicarbonate-extra Calcium Carbona Electrical conduc pH of soil - Not re Aluminium in 1:5 pH of 1:5 soil/0.0 Organic carbon (' Total nitrogen - si Total Phosphorus Bicarbonate-extra Anion storage ca 1000 to 2000u pa 20 to 75u particle 75 to 106u particl > 2mm particle si Clay (%) - Not rec Sand (%) - Not rec Silt (%) - Not rec 106 to 150u parti 150 to 180u parti 180 to 300u parti 300 to 600u parti	dium percentage (ESP) - Auto adum percentage (ESP) - Auto actable potassium (not recorde the (CaCO3) - Not recorded tivity or soluble salts - Not recorde corded soil/0.01M calcium chloride ext 1M calcium chloride extract - d %) - Uncorrected Walkley and emimicro Kjeldahl, steam distill s (ppm) - semimicro kjeldahl, at actable phosphorus (not record pacity article size analysis, (method not record e size analysis, (method not record te size analysis, (method not record corded accorded arithmetic difference, at	calculated from available us d) rded tract - method not recorded irect Black method ation utomated colour ded) orded) orded) corded) corded) ded) uto generated recorded) recorded) recorded) recorded) recorded) recorded)	