Project Name: Project Code: Agency Name:	NY	abing Kukerin land reso A Site ID: riculture Western Austra	0488	Observatio	on ID:	1			
Site Informatio	n								
Desc. By: Date Desc.: Map Ref.:	28/02		Locality: Elevation: Rainfall:	305 metr No Data	res				
Northing/Long.: Easting/Lat.: Geology		600 AMG zone: 50 80 Datum: AGD84	Runoff: Drainage:	No Data Imperfec	tly draine	d			
ExposureType: Geol. Ref.:	Soil p No D		Conf. Sub. is Pa Substrate Mater		No Data No Data				
<u>Landform</u> Rel/Slope Class: Morph. Type: Elem. Type: Slope:	Level Flat Plain 0 %		Pattern Type: Relief: Slope Category Aspect:	Alluvial p 2 metres : No Data No Data					
Surface Soil Co	onditio	on Hardsetting, Har	rdsetting						
	, ,	eet) (rill) (gully)							
ASC Confidence	classific esonatri e:	cation: ic Yellow Sodosol data are available.	Prir	oping Unit: ncipal Profile at Soil Grou		N/A Dy3.43 N/A			
•	•	omplete clearing. Pasture, na	ative or improved, c	ultivated at s	ome stad	e			
Vegetation	<u></u>	inploto oloaniigi r aotalo, no	ure er imprered, e		onio otag				
Surface Coars	e Frag	ments No surface coar	se fragments; No s	surface coars	e fragmei	nts			
Profile Morpho	ology								
A1p 0-0.1 m rains	า	Very dark grey (10YR3/1-M	loist); , 0-0% ; Loai	my sand; Mas	ssive grad	de of structure; Sandy			
-1mm) roots;		prominent) fabric; Dry; Very weak consistence; Field pH 5.5 (Raupach); Many, very fine							
		Abrupt, Smooth change to -							
A21 0.1 - 0.2 ructure; Sandy	m	Yellowish brown (10YR5/4-Moist); , 0-0% ; Clayey coarse sand; Massive grade of							
ery fine (0-		(grains prominent) fabric; Dry; Very weak consistence; Field pH 6.5 (Raupach); Common,							
		1mm) roots; Clear, Smooth change to -							
A22e 0.2 - 0.3 ructure; Sandy	m	Pale brown (10YR6/3-Mois	oist); , 0-0% ; Clayey coarse sand; Single grain grade of						
ne (0-1mm)		(grains prominent) fabric; Dry; Loose consistence; Field pH 7 (Raupach); Common, very							
		roots; Sharp, Wavy change to -							
B1 0.3 - 0.4 andy clay	m	Light brownish grey (10YR6/2-Moist); Mottles, 10YR56, 10-20% , 0-5mm, Distinct; Coarse							
onsistence; Field		loam; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Very strong							
		pH 8.5 (Raupach); Few, very fine (0-1mm) roots; Clear, Smooth change to -							
B21 0.4 - 0.8 ght medium	m	Brownish yellow (10YR6/6-	Moist); Mottles, 2.5	5YR46, 10-20	l% , 5-15i	mm, Distinct; Sandy			
onsistence;		clay; Moderate grade of str	ucture, 200-500 m	m, Prismatic;	Rough-p	ed fabric; Dry; Strong			
		Soil matrix is Slightly calcareous; Field pH 9 (Raupach); Few, very fine (0-1mm) roots;							
radual, Wavy		change to -							
B22k 0.8 - 1.1 /eak grade of	m	Light grey (10YR7/1-Moist)	; Mottles, 10YR66,	20-50% , 15	-30mm, E	Distinct; Medium clay;			
) %),		structure, 50-100 mm, Pol	yhedral; Rough-pe	d fabric; Stror	ng consis	tence; Common (10 -			
radual, Wavy		Calcareous, Fine (0 - 2 mm	n), Soft segregation	is; Soil matrix	is Mode	rately calcareous;			
raddu, vvavy		change to -							

B3 1.1 - 1.6 m 10-20% . 15-	Light grey (10YR7/1-Moist); Mottles, 2.5YR46, 10-20% , 30-mm, Prominent; , 10YR66,
, -	30mm, Distinct; Fine sandy light clay; Weak grade of structure, 50-100 mm, Polyhedral;
Rough-ped	fabrie: Dry Strang consistence: Coll matrix is Slightly collegeous: Field pl 10 (Douroch);

fabric; Dry; Strong consistence; Soil matrix is Slightly calcareous; Field pH 9 (Raupach);

Morphological Notes A1p Medium to coarse sand.

Observation Notes

Site Notes

Soil pit in Kuringup catchment.

Project Name:	Nyabing Kuke	rin land reso	ourcs survey		
Project Code:	NYA	Site ID:	0488	Observation	1
Agency Name:	Agriculture We	estern Austr	alia		

Laboratory Test Results:

Depth	pH	1:5 EC	Ex	changeab	le Cations		Exchangeable	CEC	ECEC	ESP
m	•	dS/m	Ca	Mg	К	Na Cmol	Acidity			%
		us/m				CIIIOI	(+)/kg			70
0 - 0.1	4.9B 5.8H 4.9B 5.8H 5.1B 6H	6B 7B 11B	2.87H	0.52	0.17	0.13	0.1J		3.69D	
0 - 0.1	4.9B 5.8H 4.9B 5.8H 5.1B 6H	6B 7B 11B	2.87H	0.52	0.17	0.13	0.1J		3.69D	
0 - 0.1	4.9B 5.8H 4.9B 5.8H 5.1B 6H	6B 7B 11B	2.87H	0.52	0.17	0.13	0.1J		3.69D	
0 - 0.1	4.9B 5.8H 4.9B 5.8H 5.1B 6H	6B 7B 11B	2.87H	0.52	0.17	0.13	0.1J		3.69D	
0 - 0.1	4.9B 5.8H 4.9B 5.8H 5.1B 6H	6B 7B 11B	2.87H	0.52	0.17	0.13	0.1J		3.69D	
0.1 - 0.2	5.6B 6.7H 5.8B 7H	2B	1.63A	0.38	0.08	0.1			2.19D	
0.1 - 0.2	5.6B 6.7H 5.8B 7H	2B	1.63A	0.38	0.08	0.1			2.19D	
0.1 - 0.2	5.6B 6.7H 5.8B 7H	2B	1.63A	0.38	0.08	0.1			2.19D	
0.2 - 0.3	6.1B 7.2H	2B	0.76A	0.21	0.02	0.1			1.09D	
0.2 - 0.3	6.1B 7.2H	2B	0.76A	0.21	0.02	0.1			1.09D	
0.3 - 0.4	7.3B	10B	1.3E	2.78	0.16	1.44		6B	5.68D	24.00

0.3 - 0.4		10B	1.3E	2.78	0.16	1.44	6B	5.68D	24.00
0.5 - 0.4	8.8H	IUD	1.5	2.70	0.10	1.44	00	5.00D	24.00

Project Nam Project Cod Agency Nan	e: NÝ	A	ukerin la S e Weste	ite ID:	0488	urvey	Observation	1		
0.4 - 0.6	7.6B 9.1H	13B	2.39E	5.32	0.25	2.73		12B	10.69D	22.75
0.4 - 0.6	7.6B 9.1H	13B	2.39E	5.32	0.25	2.73		12B	10.69D	22.75
0.4 - 0.5	7.6B 9.1H	12B								
0.6 - 0.8	8.1B 9.2H	25B	1.89E	5.04	0.4	2.82		10B	10.15D	28.20
0.6 - 0.8	8.1B	25B	1.89E	5.04	0.4	2.82		10B	10.15D	28.20
0.8 - 1.1	9.2H 8.5B	36B	1.6E	5.03	0.34	3.23		10B	10.2D	32.30
0.8 - 1.1	9.5H 8.5B	36B	1.6E	5.03	0.34	3.23		10B	10.2D	32.30
1.1 - 1.6	9.5H 8B	22B	0.7E	4.47	0.34	3.32		9B	8.83D	36.89
1.1 - 1.6	9.3H 8B 9.3H	22B	0.7E	4.47	0.34	3.32		9B	8.83D	36.89

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV CS	Size Analysis FS Silt
m	%	Clay %	mg/kg	%	%	%	Mg/m3		%
0 - 0.1 5.2		1.03D		94B	0.112E				3.8
0 - 0.1 5.2		1.51D 1.03D		130B 94B	0.112E				3.8
0 - 0.1 5.2		1.51D 1.03D		130B 94B	0.112E				3.8
0 - 0.1 5.2		1.51D 1.03D		130B 94B	0.112E				3.8
0 - 0.1 5.2		1.51D 1.03D		130B 94B	0.112E				3.8
0.1 - 0.2 4		1.51D 0.19D		130B 33B					3.2
0.1 - 0.2 4		0.19D		33B					3.2
0.1 - 0.2 4		0.19D		33B					3.2
0.2 - 0.3		0.1D		27B					2
2.2 0.2 - 0.3		0.1D		27B					2
2.2 0.3 - 0.4 25.7	<2C	0.06D		27B					3.7
0.3 - 0.4 25.7	<2C	0.06D		27B					3.7
0.4 - 0.6 50.5	<2C	0.08D		28B					2
0.4 - 0.6 50.5 0.4 - 0.5	<2C	0.08D		28B					2
0.6 - 0.8	<2C	0.05D		27B					2.5
44.8 0.6 - 0.8	<2C	0.05D		27B					2.5
44.8 0.8 - 1.1	<2C	0.06D		25B					2.5
40.8 0.8 - 1.1 40.8	<2C	0.06D		25B					2.5
40.8 1.1 - 1.6	<2C	0.03D		21B					2.1

33.8 1.1 - 1.6 33.8	<2C	0.03D	21B
33.8			

Laboratory Analyses Completed for this profile

15_NR_BSa 15_NR_CMR	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available Exchangeable bases (Ca/Mg ratio) - Not recorded
15A1_CA for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
15A1_CEC	salts Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts

Project Name:	Nyabing Kukerin land resourcs survey
Project Code:	NYA Site ID: 0488 Observation 1
Agency Name:	Agriculture Western Australia
15A1_K 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 for soluble	salts Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15C1_CA 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
15E1_AL 15E1_CA salts	Exchangeable AI - by compulsive exchange, no pretreatment for soluble salts Exchangeable bases (Ca2+,Mg2+,Na+,K+) by compulsive exchange, no pretreatment for soluble
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_MA	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
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 18A1_NR 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 Bicarbonate-extractable potassium (not recorded) Calcium Carbonate (CaCO3) - Not recorded Electrical conductivity or soluble salts - Not recorded
4_NR	pH of soil - Not recorded
4B_AL_NR	Aluminium in 1:5 soil/0.01M calcium chloride extract - method not recorded
4B1	pH of 1:5 soil/0.01M calcium chloride extract - direct
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
7A1	Total nitrogen - semimicro Kjeldahl, steam distillation
9A3	Total Phosphorus (ppm) - semimicro kjeldahl, automated colour
9B_NR	Bicarbonate-extractable phosphorus (not recorded)
9H1	Anion storage capacity
P10_1m2m	1000 to 2000u particle size analysis, (method not recorded)
P10_20_75	20 to 75u particle size analysis, (method not recorded)
P10_75_106	75 to 106u particle size analysis, (method not recorded)
P10_gt2m	> 2mm particle size analysis, (method not recorded)
P10_NR_C	Clay (%) - Not recorded
P10_NR_Saa	Sand (%) - Not recorded arithmetic difference, auto generated
P10_NR_Z	Silt (%) - Not recorded
P10106_150	106 to 150u particle size analysis, (method not recorded)
P10150_180	150 to 180u particle size analysis, (method not recorded)
P10180_300	180 to 300u particle size analysis, (method not recorded)
P10300_600	300 to 600u particle size analysis, (method not recorded)
P106001000	600 to 1000u particle size analysis, (method not recorded)