

Project Name: Nyabing Kukerin land resources survey
Project Code: NYA **Site ID:** 0443 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By:	Heather Percy	Locality:	
Date Desc.:	13/09/95	Elevation:	340 metres
Map Ref.:		Rainfall:	No Data
Northing/Long.:	6267690 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	633010 Datum: AGD84	Drainage:	Moderately well 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 rises 9-30m 1-3% **Pattern Type:** Rises

Morph. Type:	Upper-slope	Relief:	15 metres
Elem. Type:	Hillcrest	Slope Category:	No Data
Slope:	1 %	Aspect:	135 degrees

Surface Soil Condition Hardsetting, Hardsetting

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

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Epiphypersodic Pedal Calcic Calcarosol	Principal Profile Form:	Uf6.13
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

Profile Morphology

Ap	0 - 0.08 m	Brown (7.5YR4/4-Moist); , 0-0% ; Light clay; Moderate grade of structure, 5-10 mm, Granular; Rough-ped fabric; Moderately moist; Soil matrix is Highly calcareous; Field pH 9.5 (Raupach); Abrupt, Wavy change to -
B21	0.08 - 0.4 m	Strong brown (7.5YR5/6-Moist); Mottles, 2.5YR46, 20-50% , 15-30mm, Distinct; Sandy light clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; 2-10%, fine gravelly, 2-6mm, Calcrete, coarse fragments; Soil matrix is Moderately calcareous; Field pH 9.5 (Raupach); Gradual change to -
B22k	0.4 - 0.6 m	Strong brown (7.5YR5/6-Moist); , 2.5YR46, 2-10% , 5-15mm, Distinct; Sandy light clay; Moderate grade of structure; Rough-ped fabric; Dry; 0-2%, medium gravelly, 6-20mm, Calcrete, coarse fragments; Common (10 - 20 %), Calcareous, Coarse (6 - 20 mm), Soft segregations; Soil matrix is Moderately calcareous; Field pH 9.5 (Raupach); Gradual change to -
B23	0.6 - 0.95 m	Yellowish brown (10YR5/6-Moist); , 0-0% ; Sandy medium clay; Moderate grade of structure; Rough-ped fabric; Dry; Soil matrix is Slightly calcareous; Field pH 8 (Raupach);

Morphological Notes

Observation Notes

Site Notes

Site has a sticky surface.

Project Name: Nyabing Kukerin land resources survey
Project Code: NYA **Site ID:** 0443 **Observation** 1
Agency Name: Agriculture Western Australia

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP	
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity		%	
0 - 0.08	8.2B 8.9H	24B	14.97E	10.25	0.71	1.01		25B	26.94D	4.04
0 - 0.08	8.2B 8.9H	24B	14.97E	10.25	0.71	1.01		25B	26.94D	4.04
0.08 - 0.28	8.4B 9.4H	24B	6.79E	11.49	0.34	2.3		20B	20.92D	11.50
0.08 - 0.28	8.4B 9.4H	24B	6.79E	11.49	0.34	2.3		20B	20.92D	11.50

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.08 33	5C	1.27D							59.5l		7.5
0 - 0.08 33	5C	1.27D							59.5l		7.5
0.08 - 0.28 28	<2C	0.32D							67l		5
0.08 - 0.28 28	<2C	0.32D							67l		5

Laboratory Analyses Completed for this profile

13C1_AL	Citrate/dithionite-extractable iron, aluminium, Manganese and Silicon
13C1_FE	Citrate/dithionite-extractable iron, aluminium, Manganese and Silicon
15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15C1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - alcoholic 1M ammonium chloride at pH 8.5,
pretreatment for	soluble salts
15C1_CEC	CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_K	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
soluble salts	
15C1_MG	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
soluble salts	
15C1_NA	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, 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
19B_NR	Calcium Carbonate (CaCO3) - Not recorded
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
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
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