

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0565 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By:	Jaki Hogstrom	Locality:	
Date Desc.:	23/11/92	Elevation:	282 metres
Map Ref.:		Rainfall:	No Data
Northing/Long.:	6314120 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	510840 Datum: AGD84	Drainage:	Poorly drained

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Land Form

Rel/Slope Class: Gently undulating rises 9-30m 1-3% **Pattern Type:** Rises

Morph. Type:	Flat	Relief:	25 metres
Elem. Type:	Valley flat	Slope Category:	No Data
Slope:	1 %	Aspect:	270 degrees

Surface Soil Condition Surface crust

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

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
N/A		Principal Profile Form:	Uc2.23
ASC Confidence:		Great Soil Group:	N/A
Confidence level not specified			

Site Complete clearing. Pasture, native or improved, but never cultivated

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

A11	0 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Sand; Single grain grade of structure; Moderately moist; Loose consistence; Field pH 7 (Raupach); Many, fine (1-2mm) roots; Abrupt, Irregular change to -
A12	0.1 - 0.2 m	Greyish brown (10YR5/2-Moist); , 0-0% ; Sand; Single grain grade of structure; Moderately moist; Loose consistence; Field pH 8 (Raupach); Common, fine (1-2mm) roots; Clear, Wavy change to -
A21e	0.2 - 0.4 m	Light grey (2.5Y7/2-Moist); , 0-0% ; Sand; Single grain grade of structure; Moderately moist; Loose consistence; Field pH 9.5 (Raupach); Abrupt change to -
A22	0.4 - 0.6 m	Light grey (2.5Y7/2-Moist); Mottles, 10YR68, 20-50% , 5-15mm, Distinct; Clayey sand; Weak grade of structure; Rough-ped fabric; Moderately moist; Very weak consistence; Soil matrix is Slightly calcareous; Field pH 9.5 (Raupach); Clear change to -
B2	0.6 - 0.8 m	Light grey (2.5Y7/2-Moist); Mottles, 10YR68, 2-10% , 5-15mm, Distinct; Sandy clay loam; Weak grade of structure; Rough-ped fabric; Moderately moist; Weak consistence; Soil matrix is Slightly calcareous; Field pH 9.5 (Raupach);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na	Acidity			%
0.4 - 0.6	8.1B	52B	0.28E	0.66	0.02	0.46		1B	1.42D	46.00
	8.5H									
0.4 - 0.6	8.1B	52B	0.28E	0.66	0.02	0.46		1B	1.42D	46.00
	8.5H									
0.4 - 0.6	8.1B	52B	0.28E	0.66	0.02	0.46		1B	1.42D	46.00
	8.5H									
0.6 - 0.8	8B	42B	0.3E	1.16	0.09	0.9		2B	2.45D	45.00
	8.7H									
0.6 - 0.8	8B	42B	0.3E	1.16	0.09	0.9		2B	2.45D	45.00
	8.7H									
0.6 - 0.8	8B	42B	0.3E	1.16	0.09	0.9		2B	2.45D	45.00
	8.7H									

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
0.4 - 0.6	<2C								
0.4 - 0.6	<2C								
0.4 - 0.6	<2C								
0.6 - 0.8	<2C								
0.6 - 0.8	<2C								
0.6 - 0.8	<2C								

Laboratory Analyses Completed for this profile

15_NR_CM	Exchangeable bases (Ca/Mg ratio) - Not recorded
15C1_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,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 (CaCO ₃) - 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
P10_gt2m	> 2mm particle size analysis, (method not recorded)