

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0452 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 14/09/92	Elevation: 319 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6244580 AMG zone: 50	Runoff: No Data
Easting/Lat.: 565980 Datum: AGD84	Drainage: Imperfectly 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: Undulating low hills 30-90m 3-10% **Pattern Type:** Low hills

Morph. Type: Mid-slope	Relief: 35 metres
Elem. Type: Hillslope	Slope Category: No Data
Slope: 3 %	Aspect: 135 degrees

Surface Soil Condition Firm

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

Soil Classification

Australian Soil Classification: N/A	Mapping Unit: N/A
ASC Confidence: Confidence level not specified	Principal Profile Form: Dy5.41
	Great Soil Group: N/A

Site Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

Surface Coarse 20-50%, medium gravelly, 6-20mm, subangular, Quartz; No surface coarse fragments

Profile

A1 0 - 0.1 m Moist; Loose	Very dark grey (10YR3/1-Moist); , 0-0% ; Coarse sand; Single grain grade of structure; consistence; Field pH 5.5 (Raupach); Common, fine (1-2mm) roots; Clear change to -
A2e 0.1 - 0.4 m structure; Moist; Field pH 6	Light brownish grey (10YR6/2-Moist); , 0-0% ; Coarse sand; Single grain grade of Loose consistence; 10-20%, medium gravelly, 6-20mm, rounded, , coarse fragments; (Raupach); Common, fine (1-2mm) roots; Clear change to -
B21t 0.4 - 0.5 m Sandy light medium consistence; Field pH 6.5	Light brownish grey (2.5Y6/2-Moist); Mottles, 7.5YR56, 10-20% , 15-30mm, Distinct; clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Weak (Raupach); Common, fine (1-2mm) roots; Clear change to -
B22t 0.5 - 0.8 m Light medium 5.5	Light brownish grey (2.5Y6/2-Moist); Mottles, 2.5YR38, 20-50% , 15-30mm, Prominent; clay; Moderate grade of structure; Rough-ped fabric; Dry; Very firm consistence; Field pH (Raupach); Few, fine (1-2mm) roots; Clear change to -
B3 0.8 - 1 m medium clay; (Raupach); Few,	Light brownish grey (2.5Y6/2-Moist); Mottles, 2.5YR38, 20-50% , 15-30mm, Distinct; Light Moderate grade of structure; Rough-ped fabric; Dry; Very firm consistence; Field pH 6 medium (2-5mm) roots;

Morphological Notes

Observation Notes

Site Notes

Peringillup East Road

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.11	5.84B									
0.16 - 0.26	4.11B									
0.4 - 0.6	4.3B	8B	1.06H	3.82	0.06	1.24	0.72J		6.18D	
	5.7H		1.06H	3.82	0.06	1.24	0.72J		6.18D	
	4.3B									
	5.7H									
0.4 - 0.6	4.3B	8B	1.06H	3.82	0.06	1.24	0.72J		6.18D	
	5.7H		1.06H	3.82	0.06	1.24	0.72J		6.18D	
	4.3B									
	5.7H									
0.41 - 0.51	4.17B									
0.4 - 0.6	4.3B	8B	1.06H	3.82	0.06	1.24	0.72J		6.18D	
	5.7H		1.06H	3.82	0.06	1.24	0.72J		6.18D	
	4.3B									
	5.7H									
0.4 - 0.6	4.3B	8B	1.06H	3.82	0.06	1.24	0.72J		6.18D	
	5.7H		1.06H	3.82	0.06	1.24	0.72J		6.18D	
	4.3B									
	5.7H									

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV CS FS Silt
0 - 0.11								
0.16 - 0.26								
0.4 - 0.6								
0.4 - 0.6								
0.41 - 0.51								
0.4 - 0.6								
0.4 - 0.6								

Laboratory Analyses Completed for this profile

15_NR_CMRR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15E1_AL	Exchangeable Al - by compulsive exchange, no pretreatment for soluble salts
15E1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) by compulsive exchange, no pretreatment for soluble salts
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_NA	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15J_BASES	Sum of Bases
15N1_b	Exchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations
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)