

**Project Name:** Katanning land resources survey  
**Project Code:** KLC **Site ID:** 0397 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

**Site Information**

**Desc. By:** Heather Percy  
**Date Desc.:** 13/08/92  
**Map Ref.:**  
**Northing/Long.:** 6244690 AMG zone: 50  
**Easting/Lat.:** 561010 Datum: AGD84  
**Locality:**  
**Elevation:** 295 metres  
**Rainfall:** No Data  
**Runoff:** No Data  
**Drainage:** Well drained

**Geology**

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

**Land Form**

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

**Morph. Type:** Upper-slope  
**Elem. Type:** Hillslope  
**Slope:** 2 %  
**Relief:** 10 metres  
**Slope Category:** No Data  
**Aspect:** 0 degrees

**Surface Soil Condition** Firm

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

**Soil Classification**

**Australian Soil Classification:** N/A  
**Mapping Unit:** N/A  
**Principal Profile Form:** Dy5.21  
**ASC Confidence:** Confidence level not specified  
**Great Soil Group:** N/A

**Site** Extensive clearing, for example poisoning, ringbarking

**Vegetation:**

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

**Profile**

A1 0 - 0.1 m 20 mm, rounded, , coarse (Raupach);	Dark greyish brown (10YR4/2-Moist); , 0-0% ; Loamy sand; Weak grade of structure, 10-20 mm, Granular; Moderately moist; Very weak consistence; 20-50%, fine gravelly, 2-6mm, fragments; 2-10%, medium gravelly, 6-20mm, rounded, , coarse fragments; Field pH 6 Abundant, fine (1-2mm) roots; Abrupt, Smooth change to -
A2 0.1 - 0.5 m moist; Loose 20%, fine gravelly, roots; Abrupt	Brown (10YR5/3-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Moderately consistence; 50-90%, medium gravelly, 6-20mm, subrounded, , coarse fragments; 10-2-6mm, subrounded, , coarse fragments; Field pH 6 (Raupach); Many, fine (1-2mm) change to -
B2t 0.5 - 0.6 m Medium clay; medium gravelly, 20 mm),	Light yellowish brown (10YR6/4-Moist); Mottles, 7.5YR58, 20-50% , 5-15mm, Distinct; Moderate grade of structure; Smooth-ped fabric; Dry; Very firm consistence; 20-50%, 6-20mm, subrounded, , coarse fragments; Common (10 - 20 %), Ferruginous, Coarse (6 - Nodules; Field pH 6 (Raupach); Common, fine (1-2mm) roots;

**Morphological Notes**

A2 pH 7 above clay (40-50)  
 B2t Too dry to dig. Sampled ESP

**Observation Notes**

**Site Notes**

Peringillup East Rd - well drained as uncleared, expect to be moderately well drained or imperfectly drained if cleared

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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	4.73B									
0.16 - 0.26	4.64B									
0.41 - 0.51	5.7B									
0.5 - 0.7	5.4B	69B	0.77H	4.94	<0.02	2.2	<0.02J		7.92D	
	6H									
0.5 - 0.7	5.4B	69B	0.77H	4.94	<0.02	2.2	<0.02J		7.92D	
	6H									

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 - 0.11											
0.16 - 0.26											
0.41 - 0.51											
0.5 - 0.7											
0.5 - 0.7											

### Laboratory Analyses Completed for this profile

15_NR_CMV	Exchangeable bases (Ca/Mg ratio) - Not recorded
15E1_AL	Exchangeable Al - by compulsive exchange, no pretreatment for soluble salts
15E1_CA	Exchangeable bases (Ca <sup>2+</sup> ,Mg <sup>2+</sup> ,Na <sup>+</sup> ,K <sup>+</sup> ) 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 (Mn <sup>2+</sup> ) 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)