

**Project Name:** Katanning land resources survey  
**Project Code:** KLC **Site ID:** 0348 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

**Site Information**

<b>Desc. By:</b> Heather Percy	<b>Locality:</b>
<b>Date Desc.:</b> 23/07/92	<b>Elevation:</b> 328 metres
<b>Map Ref.:</b>	<b>Rainfall:</b> No Data
<b>Northing/Long.:</b> 6262650 AMG zone: 50	<b>Runoff:</b> No Data
<b>Easting/Lat.:</b> 520270 Datum: AGD84	<b>Drainage:</b> Imperfectly drained

**Geology**

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

**Land Form**

**Rel/Slope Class:** Undulating low hills 30-90m 3-10% **Pattern Type:** Low hills

<b>Morph. Type:</b> Crest	<b>Relief:</b> 40 metres
<b>Elem. Type:</b> Summit surface	<b>Slope Category:</b> No Data
<b>Slope:</b> 3 %	<b>Aspect:</b> 45 degrees

**Surface Soil Condition** Hardsetting

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

**Soil Classification**

<b>Australian Soil Classification:</b> N/A	<b>Mapping Unit:</b> N/A
<b>ASC Confidence:</b> Confidence level not specified	<b>Principal Profile Form:</b> Dy3.21
	<b>Great Soil Group:</b> N/A

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

**Vegetation:**

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

**Profile**

A1	0 - 0.12 m	Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Sand; Single grain grade of structure; Moist; Loose
		consistence; Field pH 5 (Raupach); Common, fine (1-2mm) roots; Clear, Smooth change to -
A2	0.12 - 0.25 m	Greyish brown (10YR5/2-Moist); , 0-0% ; Coarse sand; Single grain grade of structure; Wet; Loose
		consistence; Field pH 4.5 (Raupach); Common, fine (1-2mm) roots; Abrupt, Wavy change to -
B2t	0.25 - 0.6 m	Light brownish grey (10YR6/2-Moist); Mottles, 10YR58, 10-20% , 5-15mm, Distinct; Mottles, 2.5YR48,
		10-20% , 5-15mm, Distinct; Medium clay; Strong grade of structure, Columnar; Smooth-ped fabric;
		Moderately moist; Field pH 5 (Raupach); Few, fine (1-2mm) roots; Clear change to -
B3t	0.6 - 0.8 m	Pale brown (10YR6/3-Moist); Mottles, 2.5YR36, 10-20% , 5-15mm, Distinct; Substrate influence,
		10YR82, 10-20% , 15-30mm, Prominent; Light medium clay; Strong grade of structure; Smooth-ped
		fabric; Dry; Field pH 6 (Raupach);
C1	0.8 - 1 m	White (10YR8/1-Moist); Substrate influence, 2.5YR46, 20-50% , 15-30mm, Prominent; Light clay; Strong
		grade of structure; Smooth-ped fabric; Dry; Field pH 6 (Raupach); Clear change to -
C2	1 - 1.1 m	White (10YR8/1-Moist); Substrate influence, 2.5YR48; Light clay; Strong grade of structure; Smooth-ped
		fabric; Dry; Field pH 6 (Raupach);

**Morphological Notes**

B2t	Sampled ESP, %clay and pH 1:5
C1	Coarse sand in light clay - kaolinitic
C2	Kaolinitic clay

**Observation Notes**

**Site Notes**

Ball 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	4.37B									
0.16 - 0.26	4.16B									
0.25 - 0.6	4.3B	6B	0.26H	1.81	<0.02	0.42	0.37J		2.5D	
	5.4H									
0.25 - 0.6	4.3B	6B	0.26H	1.81	<0.02	0.42	0.37J		2.5D	
	5.4H									
0.41 - 0.51	3.9B									

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 - 0.11								
0.16 - 0.26								
0.25 - 0.6								
0.25 - 0.6								
0.41 - 0.51								

**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)