

**Project Name:** Katanning land resources survey  
**Project Code:** KLC **Site ID:** 0111 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

**Site Information**

<b>Desc. By:</b> Heather Percy	<b>Locality:</b>
<b>Date Desc.:</b> 15/11/91	<b>Elevation:</b> 296 metres
<b>Map Ref.:</b>	<b>Rainfall:</b> No Data
<b>Northing/Long.:</b> 6265420 AMG zone: 50	<b>Runoff:</b> No Data
<b>Easting/Lat.:</b> 561730 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:** Gently undulating rises 9-30m 1-3% **Pattern Type:** Rises

<b>Morph. Type:</b> Lower-slope	<b>Relief:</b> 30 metres
<b>Elem. Type:</b> Hillslope	<b>Slope Category:</b> No Data
<b>Slope:</b> 3 %	<b>Aspect:</b> 0 degrees

**Surface Soil Condition** Hardsetting, 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> Dg2.43
	<b>Great Soil Group:</b> N/A

**Site** Cultivation. Rainfed

**Vegetation:**

**Surface Coarse** 10-20%, medium gravelly, 6-20mm, rounded, Ironstone; No surface coarse fragments

**Profile**

Ap	0 - 0.2 m	Greyish brown (10YR5/2-Moist); , 0-0% ; Loamy coarse sand; Single grain grade of structure; Dry; Field pH 6 (Raupach); Common, fine (1-2mm) roots; Clear change to -
A2e	0.2 - 0.27 m	Pale brown (10YR6/3-Moist); , 0-0% ; Coarse sand; Massive grade of structure; Dry; Field pH 6 (Raupach); Common, fine (1-2mm) roots; Clear change to -
B21	0.27 - 0.45 m	Light grey (10YR7/2-Moist); Mottles, 10YR58, 10-20% , 15-30mm, Distinct; Coarse sandy clay loam; Massive grade of structure; Dry; Field pH 7 (Raupach); Few, fine (1-2mm) roots; Clear change to -
B22t	0.45 - 0.55 m	Light grey (10YR7/2-Moist); Mottles, 10YR58, 10-20% , 5-15mm, Distinct; Sandy light clay; Moderate grade of structure; Dry; Field pH 7.5 (Raupach); Clear change to -
B23t	0.55 - 0.85 m	Light grey (10YR7/1-Moist); Mottles, 10YR58, 10-20% , 5-15mm, Distinct; Light medium clay; Moderate grade of structure; Moderately moist; Field pH 8 (Raupach); Clear change to -
C	0.85 - 0.9 m	Brownish yellow (10YR6/6-Moist); , 0-0% ; Coarse sandy clay loam; Massive grade of structure; Dry; 20-50%, Quartz, coarse fragments; Field pH 8.5 (Raupach);

**Morphological Notes**

B21	SAMPLED
C	F QZ & WEATHERED ROCK

**Observation Notes**

**Site Notes**

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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				%
0.27 - 0.45	5.8B 7.1H	9B	0.53H	2.17	<0.02	1.14	<0.02J		3.85D	
0.27 - 0.45	5.8B 7.1H	9B	0.53H	2.17	<0.02	1.14	<0.02J		3.85D	

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
0.27 - 0.45								74.5I
20.5								
0.27 - 0.45								74.5I
20.5								

**Laboratory Analyses Completed for this profile**

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMJR	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)
P10_NR_C	Clay (%) - Not recorded
P10_NR_S	Sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded