

**Project Name:** Katanning land resources survey  
**Project Code:** KLC **Site ID:** 1235 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

**Site Information**

<b>Desc. By:</b>	Heather Percy	<b>Locality:</b>	
<b>Date Desc.:</b>	31/08/93	<b>Elevation:</b>	333 metres
<b>Map Ref.:</b>		<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	6334190 AMG zone: 50	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	553190 Datum: AGD84	<b>Drainage:</b>	No Data

**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>	Mid-slope	<b>Relief:</b>	20 metres
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	No Data
<b>Slope:</b>	2 %	<b>Aspect:</b>	270 degrees

**Surface Soil Condition** Firm

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

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
N/A		<b>Principal Profile Form:</b>	Dg4.12
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	N/A
Confidence level not specified			

**Site** Cultivation. Rainfed

**Vegetation:**

**Surface Coarse** 10-20%, medium gravelly, 6-20mm, angular, Quartz; 2-10%, , angular, Quartz

**Profile**

A1	0 - 0.1 m	Very dark grey (10YR3/1-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Moderately moist;
		Field pH 6 (Raupach); Abrupt change to -
A12	0.1 - 0.2 m	Dark grey (10YR4/1-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Moderately moist;
		Field pH 6 (Raupach); Clear change to -
A3	0.2 - 0.5 m	Light brownish grey (10YR6/2-Moist); , 0-0% ; Coarse sandy loam; Massive grade of structure;
		Moderately moist; Field pH 6 (Raupach); Clear change to -
B2t	0.5 - 0.6 m	Light grey (10YR7/2-Moist); , 2.5YR46, 10-20% , 5-15mm, Distinct; Medium clay; Moderate grade of
		structure; Rough-ped fabric; Moderately moist; Field pH 6.5 (Raupach); Clear change to -
B3	0.6 - 0.8 m	Light grey (10YR7/2-Moist); Mottles, 2.5YR58, 20-50% , 15-30mm, Distinct; Light medium clay;
		Moderate grade of structure; Rough-ped fabric; Moderately moist; Field pH 6.5 (Raupach); Clear
		change to -
C	0.8 - 0.95 m	Very pale brown (10YR7/4-Moist); Mottles, 2.5YR46, 10-20% , 5-15mm, Faint; Mottles, 10YR58, 10-20%
		, 5-15mm, Faint; Coarse sandy clay loam; Massive grade of structure; Moderately moist; Field pH 7
		(Raupach); Gradual change to -
C	0.95 - 1.05 m	Brownish yellow (10YR6/8-Moist); Mottles, 10YR74, 10-20% , 5-15mm, Distinct; Mottles, 5YR46, 10-
		20% , 5-15mm, Distinct; Coarse sandy clay loam; Massive grade of structure; Moderately moist; Field pH
		7.5 (Raupach); Clear change to -
C	1.05 - 1.15 m	Light grey (10YR7/2-Moist); Mottles, 2.5YR58, 10-20% , 5-15mm, Distinct; Mottles, 7.5YR56, 10-20% ,
		5-15mm, Distinct; Light clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Field pH
		7.5 (Raupach); Clear change to -

C 1.15 - 1.3 m White (2.5Y8/2-Moist); Mottles, 10YR68, 2-10% , 5-15mm, Distinct; Light medium clay;  
Moderate grade  
of structure; Rough-ped fabric; Moderately moist; Field pH 8 (Raupach);

#### Morphological Notes

C Gritty coarse sandy clay loam

#### Observation Notes

#### Site Notes

Site along road reserve of Quickes 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 - 0.1	4.8B									
0.1 - 0.2	4.8B									
0.4 - 0.5	4.6B									
0.5 - 0.6	4.7B	50B	0.11H	2.75	0.03	1.3	0.09J		4.19D	
	5.5H									
0.5 - 0.6	4.7B	50B	0.11H	2.75	0.03	1.3	0.09J		4.19D	
	5.5H									

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.1											
0.1 - 0.2											
0.4 - 0.5											
0.5 - 0.6									63I		3
34											
0.5 - 0.6									63I		3
34											

#### Laboratory Analyses Completed for this profile

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