

**Project Name:** Katanning land resources survey  
**Project Code:** KLC **Site ID:** 0417 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

**Site Information**

<b>Desc. By:</b>	Heather Percy	<b>Locality:</b>	
<b>Date Desc.:</b>	24/08/92	<b>Elevation:</b>	320 metres
<b>Map Ref.:</b>		<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	6283360 AMG zone: 50	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	591250 Datum: AGD84	<b>Drainage:</b>	Well 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>	Mid-slope	<b>Relief:</b>	60 metres
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	No Data
<b>Slope:</b>	2 %	<b>Aspect:</b>	90 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>	Dy5.42
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	N/A
Confidence level not specified			

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

**Vegetation:**

**Surface Coarse** No surface coarse fragments; No surface coarse fragments

**Profile**

A1	0 - 0.12 m	Dark grey (10YR4/1-Moist); , 0-0% ; Loamy coarse sand; Single grain grade of structure; Moist; Loose
A2e	0.12 - 0.3 m	Pale yellow (2.5Y7/3-Moist); , 0-0% ; Clayey coarse sand; Single grain grade of structure; Moderately
		fragments; Field pH 6
B21t	0.3 - 0.4 m	Yellow (2.5Y7/5-Moist); Mottles, 10YR67, 2-10% , 5-15mm, Distinct; Sandy light clay; Moderate grade of
		gravelly, 6-20mm, change to -
B22t	0.4 - 0.5 m	Pale yellow (2.5Y7/4-Moist); Mottles, 10YR68, 20-50% , 15-30mm, Prominent; Light medium clay;
		roots; Clear
B3	0.5 - 0.6 m	Pale yellow (2.5Y7/3-Moist); Mottles, 10YR68, 20-50% , 5-15mm, Distinct; Clay loam; Massive grade of
		structure; Dry; Firm consistence; 20-50%, medium gravelly, 6-20mm, rounded, , coarse fragments;
		(Raupach); Common (10 - 20 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 7.5

**Morphological Notes**

B21t	Sampled ESP L3 & L4
B3	Stopped by hard coarse gravel

**Observation Notes**

**Site Notes**

Kwobrup North 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	4.93B									
0.16 - 0.26	5.54B									
0.3 - 0.5	7B	9B	1.58A	2.14	0.12	0.39			4.23D	
	7.8H		1.58A	2.14	0.12	0.39			4.23D	
	7B									
	7.8H									
0.3 - 0.5	7B	9B	1.58A	2.14	0.12	0.39			4.23D	
	7.8H		1.58A	2.14	0.12	0.39			4.23D	
	7B									
	7.8H									
0.3 - 0.5	7B	9B	1.58A	2.14	0.12	0.39			4.23D	
	7.8H		1.58A	2.14	0.12	0.39			4.23D	
	7B									
	7.8H									
0.3 - 0.5	7B	9B	1.58A	2.14	0.12	0.39			4.23D	
	7.8H		1.58A	2.14	0.12	0.39			4.23D	
	7B									
	7.8H									
0.41 - 0.51	6.8B									

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											
0.3 - 0.5											
0.3 - 0.5											
0.3 - 0.5											
0.3 - 0.5											
0.41 - 0.51											

**Laboratory Analyses Completed for this profile**

15_NR_CMV	Exchangeable bases (Ca/Mg ratio) - Not recorded
15A1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15A1_CEC	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_K	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15A1_MG	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15A1_NA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15J_BASES	Sum of Bases
15L1_a	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using
Sum of Cations	and measured clay
15N1_a	Exchangeable sodium percentage (ESP) - Auto calculated from available using CEC
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)