

**Project Name:** Katanning land resources survey  
**Project Code:** KLC **Site ID:** 0534 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

#### Site Information

<b>Desc. By:</b> Heather Percy	<b>Locality:</b>
<b>Date Desc.:</b> 28/10/92	<b>Elevation:</b> 345 metres
<b>Map Ref.:</b>	<b>Rainfall:</b> No Data
<b>Northing/Long.:</b> 6308390 AMG zone: 50	<b>Runoff:</b> No Data
<b>Easting/Lat.:</b> 513160 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> Upper-slope	<b>Relief:</b> 40 metres
<b>Elem. Type:</b> Drainage depression	<b>Slope Category:</b> No Data
<b>Slope:</b> 1 %	<b>Aspect:</b> 225 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> Uc2.23
	<b>Great Soil Group:</b> N/A

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

#### Vegetation:

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

#### Profile

A11	0 - 0.2 m	Very dark grey (10YR3/1-Moist); , 0-0% ; Sandy loam; Massive grade of structure; Moderately moist; Very weak consistence; Field pH 6 (Raupach); Abundant, very fine (0-1mm) roots; Abrupt change to -
A12	0.2 - 0.5 m	Dark grey (10YR4/1-Moist); , 0-0% ; Coarse sandy clay loam; Massive grade of structure; Moderately moist; Weak consistence; Field pH 6 (Raupach); Few, very fine (0-1mm) roots; Clear change to -
A2e	0.5 - 0.65 m	Light grey (10YR7/2-Moist); , 0-0% ; Clayey coarse sand; Single grain grade of structure; Moist; Weak consistence; Field pH 6 (Raupach); Common, fine (1-2mm) roots; Clear change to -
B2t	0.65 - 0.75 m	Very pale brown (10YR7/4-Moist); Mottles, 10YR78, 20-50% , 0-5mm, Distinct; , 10YR62, 10-20% , 0-5mm, Faint; Medium clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Firm consistence; Field pH 6 (Raupach); Common, fine (1-2mm) roots; Abrupt change to -
B3	0.75 - 0.9 m	Yellow (10YR8/6-Moist); Mottles, 7.5YR78, 20-50% , 5-15mm, Distinct; Coarse sandy clay loam; Single grain grade of structure; Moderately moist; Very weak consistence; Field pH 6 (Raupach); Gradual change to -
C	0.9 - 1 m	Yellow (10YR8/6-Moist); Mottles, 7.5YR78, 20-50% , 5-15mm, Distinct; Coarse sandy loam; Single grain grade of structure; Moderately moist; Very weak consistence; Field pH 6 (Raupach);

#### Morphological Notes

B2t Kaolinitic clay. Very slight dispersion

#### Observation Notes

#### Site Notes

Warup Road West - 100m downslope of breakaway

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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				%
0.2 - 0.5	4.9B 6.4H	7B								
0.2 - 0.5	4.9B 6.4H	7B								
0.5 - 0.65	4.9B 6.3H	7B								
0.5 - 0.65	4.9B 6.3H	7B								

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			%	
0.2 - 0.5									74I		5.5
20.5									74I		5.5
0.2 - 0.5									79I		4.5
20.5									79I		4.5
0.5 - 0.65									79I		4.5
16.5									79I		4.5
0.5 - 0.65									79I		4.5
16.5									79I		4.5

**Laboratory Analyses Completed for this profile**

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