

**Project Name:** Katanning land resources survey  
**Project Code:** KLC **Site ID:** 0073 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

#### Site Information

<b>Desc. By:</b> Heather Percy	<b>Locality:</b>
<b>Date Desc.:</b> 25/10/91	<b>Elevation:</b> 310 metres
<b>Map Ref.:</b>	<b>Rainfall:</b> No Data
<b>Northing/Long.:</b> 6262350 AMG zone: 50	<b>Runoff:</b> No Data
<b>Easting/Lat.:</b> 587470 Datum: AGD84	<b>Drainage:</b> Moderately 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:** Gently undulating rises 9-30m 1-3% **Pattern Type:** Rises

<b>Morph. Type:</b> No Data	<b>Relief:</b> 20 metres
<b>Elem. Type:</b> Drainage depression	<b>Slope Category:</b> No Data
<b>Slope:</b> 5 %	<b>Aspect:</b> No Data

#### 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> Uc1.21
	<b>Great Soil Group:</b> N/A

**Site** Extensive clearing, for example poisoning, ringbarking

#### Vegetation:

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

#### Profile

A1 0 - 0.2 m	Very dark brown (10YR2/2-Moist); , 0-0% ; Clayey coarse sand; Single grain grade of structure; Dry; 0-2mm) roots; Abrupt
A2e 0.2 - 0.7 m	Brown (10YR5/3-Moist); , 0-0% ; Loamy coarse sand; Single grain grade of structure; Moderately moist; 2-10%, Quartz, coarse fragments; Field pH 6.5 (Raupach); Few, fine (1-2mm) roots; Abrupt change to -
B1 0.7 - 0.72 m	Greyish brown (10YR5/2-Moist); , 0-0% ; Sandy medium clay; Moderate grade of structure; Rough-ped fabric; Dry; Field pH 6.5 (Raupach); Abrupt change to -
B21 0.72 - 0.97 m	Light yellowish brown (10YR6/4-Moist); Mottles, 10YR71, 20-50% , 5-15mm, Distinct; Sandy medium clay; Moderate grade of structure; Rough-ped fabric; Dry; Field pH 6.5 (Raupach); Clear change to -
B22 0.97 - 1 m	Light yellowish brown (10YR6/4-Moist); Mottles, 5YR56, 20-50% , 5-15mm, Distinct; Coarse sandy medium clay; Rough-ped fabric; Dry; Field pH 7.5 (Raupach);

#### Morphological Notes

A1	F A QZ
A2e	F A QZ F M R IS
B21	SAMPLED

#### Observation 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				%
0.72 - 0.97	5.7B 6.6H	31B	1.26H	2.61	0.05	2.44	<0.02J		6.36D	
0.72 - 0.97	5.7B 6.6H	31B	1.26H	2.61	0.05	2.44	<0.02J		6.36D	

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV CS FS Silt
0.72 - 0.97 35.5								61I 3.5
0.72 - 0.97 35.5								61I 3.5

### 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