

**Project Name:** Katanning land resources survey  
**Project Code:** KLC **Site ID:** 0061 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

**Site Information**

<b>Desc. By:</b> Heather Percy	<b>Locality:</b>
<b>Date Desc.:</b> 23/10/91	<b>Elevation:</b> 310 metres
<b>Map Ref.:</b>	<b>Rainfall:</b> No Data
<b>Northing/Long.:</b> 6260850 AMG zone: 50	<b>Runoff:</b> No Data
<b>Easting/Lat.:</b> 590770 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:** 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> 2 %	<b>Aspect:</b> 225 degrees

**Surface Soil Condition** Soft

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

**Soil Classification**

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b> N/A
Ferric Subnatric Yellow Sodosol	<b>Principal Profile Form:</b> Dy4.81
<b>ASC Confidence:</b>	<b>Great Soil Group:</b> N/A
No analytical data are available but confidence is fair.	

**Site** Cultivation. Rainfed

**Vegetation:**

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

**Profile**

A11 0 - 0.02 m structure; Sandy  2mm) roots;	Dark greyish brown (10YR4/2-Moist); , 0-0% ; Loamy sand; Single grain grade of (grains prominent) fabric; Dry; Water repellent; Field pH 5.5 (Raupach); Abundant, fine (1-2mm) roots;  Abrupt change to -
A12 0.02 - 0.2 m (grains prominent)  change to -	Brown (10YR5/3-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Sandy fabric; Dry; Water repellent; Field pH 6 (Raupach); Many, fine (1-2mm) roots; Clear change to -
A21ec 0.2 - 0.35 m (grains prominent) (6 - 20 mm),	Brown (10YR5/3-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Sandy fabric; Dry; 20-50%, Ironstone, coarse fragments; Many (20 - 50 %), Ferruginous, Coarse Nodules; Field pH 6.5 (Raupach); Common, fine (1-2mm) roots; Clear change to -
A22ec 0.35 - 0.5 m Sandy (grains Ferruginous, Clear change to -	Yellowish brown (10YR5/4-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; prominent) fabric; Dry; 20-50%, Ironstone, coarse fragments; Common (10 - 20 %), Coarse (6 - 20 mm), Nodules; Field pH 6.5 (Raupach); Few, medium (2-5mm) roots;
B21 0.5 - 0.55 m Rough-ped fabric;  mm), Nodules;	Brownish yellow (10YR6/6-Moist); , 0-0% ; Sandy light clay; Weak grade of structure; Dry; 10-20%, Ironstone, coarse fragments; Few (2 - 10 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 6 (Raupach); Clear, Irregular change to -
B22t 0.55 - 0.6 m structure; Ferruginous, Coarse (6 -	Brownish yellow (10YR6/8-Moist); , 0-0% ; Fine sandy light medium clay; Weak grade of Rough-ped fabric; Dry; 10-20%, Ironstone, coarse fragments; Few (2 - 10 %), 20 mm), Nodules; Field pH 5.5 (Raupach);

**Morphological Notes**

A21ec	M R IS
A22ec	M A IS +FS
B21	F,M IS SAMPLED WITH L6
B22t	M IS

**Observation Notes****Site Notes**

Soil described in remnant vegetation

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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				%
0.5 - 0.6	5.5B	7B	1.42H	2.08	0.11	0.36	<0.02J		3.97D	
	6.4H		1.42H	2.08	0.11	0.36	<0.02J		3.97D	
	5.5B									
	6.4H									
0.5 - 0.6	5.5B	7B	1.42H	2.08	0.11	0.36	<0.02J		3.97D	
	6.4H		1.42H	2.08	0.11	0.36	<0.02J		3.97D	
	5.5B									
	6.4H									
0.5 - 0.6	5.5B	7B	1.42H	2.08	0.11	0.36	<0.02J		3.97D	
	6.4H		1.42H	2.08	0.11	0.36	<0.02J		3.97D	
	5.5B									
	6.4H									
0.5 - 0.6	5.5B	7B	1.42H	2.08	0.11	0.36	<0.02J		3.97D	
	6.4H		1.42H	2.08	0.11	0.36	<0.02J		3.97D	
	5.5B									
	6.4H									

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	GV	Particle Size	Analysis
m	%	Clay %	mg/kg	%	%	%	Mg/m3		CS FS	Silt
0.5 - 0.6									64I	5
31									64I	5
									31	
0.5 - 0.6									64I	5
31									64I	5
									31	
0.5 - 0.6									64I	5
31									64I	5
									31	
0.5 - 0.6									64I	5
31									64I	5
									31	
									64I	5

**Laboratory Analyses Completed for this profile**

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMV	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

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