

**Project Name:** Katanning land resources survey  
**Project Code:** KLC **Site ID:** 0094 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

#### Site Information

<b>Desc. By:</b> Heather Percy	<b>Locality:</b>
<b>Date Desc.:</b> 11/11/91	<b>Elevation:</b> 332 metres
<b>Map Ref.:</b>	<b>Rainfall:</b> No Data
<b>Northing/Long.:</b> 6265940 AMG zone: 50	<b>Runoff:</b> No Data
<b>Easting/Lat.:</b> 565450 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

<b>Rel/Slope Class:</b> Undulating rises 9-30m 3-10%	<b>Pattern Type:</b> Rises
<b>Morph. Type:</b> Upper-slope	<b>Relief:</b> 30 metres
<b>Elem. Type:</b> Hillslope	<b>Slope Category:</b> No Data
<b>Slope:</b> 4 %	<b>Aspect:</b> 225 degrees

#### Surface Soil Condition Firm

**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> Dy5.41
	<b>Great Soil Group:</b> N/A

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

#### Vegetation:

**Surface Coarse** fragments 50-90%, medium gravelly, 6-20mm, rounded, Ironstone; No surface coarse fragments

#### Profile

A1 0 - 0.12 m	Greyish brown (10YR5/2-Moist); , 0-0% ; Clayey fine sand; Single grain grade of structure; Dry; 20-50%, repellent; Field
A21e 0.12 - 0.4 m	Brown (10YR5/3-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Dry; 50-90%, , coarse fragments; Many (20 - 50 %), Ferruginous, Medium (2 - 6 mm), Nodules; Water pH 6.5 (Raupach); Abundant, fine (1-2mm) roots; Clear change to -
A22e 0.4 - 0.6 m	Light brownish grey (2.5Y6/3-Moist); , 0-0% ; Single grain grade of structure; Dry; 50-90%, , coarse fragments; Very many (50 - 100 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 7 (Raupach); Common, fine (1-2mm) roots; Gradual change to -
B2tc 0.6 - 0.75 m	Brownish yellow (10YR6/6-Moist); Mottles, 7.5YR58, 20-50% , 5-15mm, Distinct; Mottles, 2.5YR48, 2-10% , 0-5mm, Distinct; Medium clay; Moderate grade of structure; Smooth-ped fabric; Dry; 20-50%, , coarse fragments; Many (20 - 50 %), Ferruginous, Medium (2 - 6 mm), Nodules; Field pH 6 (Raupach);

#### Morphological Notes

A1	F,M S GC
A21e	F,M S GC
A22e	F,M,C GC +MS
B2tc	F S GC. SAMPLED

#### Observation Notes

#### Site Notes

Site on uncropped edge of paddock

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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				%
0.6 - 0.75	5.4B 6.4H	14B	0.13H	2.66	<0.02	1.09	<0.02J		3.89D	
0.6 - 0.75	5.4B 6.4H	14B	0.13H	2.66	<0.02	1.09	<0.02J		3.89D	

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			%	
0.6 - 0.75 34.5									62.5l		3
0.6 - 0.75 34.5									62.5l		3

**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