

**Project Name:** Katanning land resources survey  
**Project Code:** KLC **Site ID:** 0771 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

**Site Information**

<b>Desc. By:</b> Jaki Hogstrom	<b>Locality:</b>
<b>Date Desc.:</b> 29/04/93	<b>Elevation:</b> 284 metres
<b>Map Ref.:</b>	<b>Rainfall:</b> No Data
<b>Northing/Long.:</b> 6320810 AMG zone: 50	<b>Runoff:</b> No Data
<b>Easting/Lat.:</b> 465530 Datum: AGD84	<b>Drainage:</b> Very poorly 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> Level plain <9m <1%	<b>Pattern Type:</b> Low hills
<b>Morph. Type:</b> Flat	<b>Relief:</b> 0 metres
<b>Elem. Type:</b> Valley flat	<b>Slope Category:</b> No Data
<b>Slope:</b> 1 %	<b>Aspect:</b> No Data

**Surface Soil Condition** Soft

**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> Dy5.43
	<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**

P1g 0 - 0.04 m	Brown (7.5YR4/2-Moist); , 0-0% ; Clayey peat; Massive grade of structure; Wet; Loose consistence;
	Abundant, fine (1-2mm) roots; Abrupt, Smooth change to -
P2g 0.04 - 0.15 m	, 0-0% ; Clayey peat; Massive grade of structure; Wet; Very weak consistence; Field pH 8.5 (Raupach);
	Abundant, fine (1-2mm) roots; Abrupt, Smooth change to -
A2e 0.15 - 0.35 m	Grey (5Y6/1-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Moist; Loose consistence;
	Field pH 8.5 (Raupach); Abundant, fine (1-2mm) roots; Clear change to -
B21 0.35 - 0.75 m	Pale yellow (5Y7/3-Moist); Mottles, 10YR54, 20-50% , 5-15mm, Distinct; Mottles, N60, 10-20% , 5-
	15mm, Distinct; Medium clay; Moderate grade of structure; Rough-ped fabric; Moist;
	Field pH 8.5 (Raupach); Many, fine (1-2mm) roots;
B22g? 0.75 - 1 m	Olive (5Y5/3-Moist); Mottles, 10YR54, 10-20% , 0-5mm, Distinct; Mottles, N30, 2-10% , 15-30mm,
	Distinct; Sandy medium clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Firm
	consistence; Field pH 8.5 (Raupach); Common, fine (1-2mm) roots;

**Morphological Notes**

P1g	Peat - almost totally root material
P2g	Peat

**Observation Notes**

**Site Notes**

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**Laboratory Test Results:**

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
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m	dS/m	Cmol (+)/kg						%
0 - 0.1	6.6B							
0.15 - 0.25	5.5B							
0.35 - 0.55	7B	57B	3.92A	10.6	0.1	1.49		16.11D
	7.5H							
0.35 - 0.55	7B	57B	3.92A	10.6	0.1	1.49		16.11D
	7.5H							
0.4 - 0.5	6.8B							

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	Clay %	mg/kg	%	%	%	Mg/m3	GV CS FS Silt
0 - 0.1								
0.15 - 0.25								
0.35 - 0.55								42.5I 6.5
51								
0.35 - 0.55								42.5I 6.5
51								
0.4 - 0.5								

#### **Laboratory Analyses Completed for this profile**

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMdR	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	
15A1_CEC	salts
15A1_K	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
15A1_MG	salts
for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
15A1_NA	salts
for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
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)
P10_NR_C	Clay (%) - Not recorded
P10_NR_S	Sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded