

**Project Name:** Katanning land resources survey  
**Project Code:** KLC **Site ID:** 1325 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

**Site Information**

<b>Desc. By:</b> Heather Percy	<b>Locality:</b>
<b>Date Desc.:</b> 22/09/93	<b>Elevation:</b> 288 metres
<b>Map Ref.:</b>	<b>Rainfall:</b> No Data
<b>Northing/Long.:</b> 6333700 AMG zone: 50	<b>Runoff:</b> No Data
<b>Easting/Lat.:</b> 587090 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> Mid-slope	<b>Relief:</b> 12 metres
<b>Elem. Type:</b> Hillslope	<b>Slope Category:</b> No Data
<b>Slope:</b> 1 %	<b>Aspect:</b> 0 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> Dy4.83
	<b>Great Soil Group:</b> N/A

**Site** Cultivation. Rainfed

**Vegetation:**

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

**Profile**

A1	0 - 0.1 m	Dark greyish brown (10YR4/2-Moist); , 0-0% ; Sand; Single grain grade of structure; Dry; Loose
		consistence; Field pH 6 (Raupach); Abrupt change to -
A21	0.1 - 0.3 m	Brown (10YR5/3-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Dry; Loose
		consistence;
		2-10%, fine gravelly, 2-6mm, rounded, , coarse fragments; Field pH 7 (Raupach);
		Common, medium (2-5mm) roots; Gradual change to -
A22e	0.3 - 0.45 m	Brown (10YR5/3-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Dry; Loose
		consistence;
		20-50%, fine gravelly, 2-6mm, rounded, , coarse fragments; 20-50%, medium gravelly, 6-20mm, rounded,
		, coarse fragments; Field pH 7.5 (Raupach); Gradual change to -
B1	0.45 - 0.6 m	Yellowish brown (10YR5/4-Moist); , 0-0% ; Clayey sand; Single grain grade of structure;
		Dry; Loose
		consistence; 20-50%, fine gravelly, 2-6mm, rounded, , coarse fragments; 10-20%,
		20mm, rounded, , coarse fragments; Field pH 8 (Raupach); Clear change to -
B2t	0.6 - 0.9 m	Yellowish brown (10YR5/8-Moist); Mottles, 5YR56, 2-10% , 5-15mm, Distinct; Clay loam,
		sandy;
		Massive grade of structure; Dry; 10-20%, fine gravelly, 2-6mm, rounded, , coarse
		fragments; Field pH
		8.5 (Raupach); Common, medium (2-5mm) roots;

**Morphological Notes**

**Observation Notes**

**Site Notes**

Site along Springhurst Road reserve

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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 - 0.8	7.4B 8.2H	80B	2.32E	3.91	0.13	2.87		10B	9.23D	28.70
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0.6 - 0.8	7.4B 8.2H	80B	2.32E	3.91	0.13	2.87		10B	9.23D	28.70

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
0.6 - 0.8 26	<2C								64.5I		9.5
0.6 - 0.8 26	<2C								64.5I		9.5
0.6 - 0.8 26	<2C								64.5I		9.5

### 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
15C1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - alcoholic 1M ammonium chloride at pH 8.5,
pretreatment for	soluble salts
15C1_CEC	CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_K	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
soluble salts	
15C1_MG	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
soluble salts	
15C1_NA	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
soluble salts	
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
19B_NR	Calcium Carbonate (CaCO3) - Not recorded
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