

**Project Name:** Katanning land resources survey  
**Project Code:** KLC **Site ID:** 1534 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

**Site Information**

**Desc. By:** Heather Percy  
**Date Desc.:** 28/10/93  
**Map Ref.:**  
**Northing/Long.:** 6302530 AMG zone: 50  
**Easting/Lat.:** 592270 Datum: AGD84  
**Locality:**  
**Elevation:** 311 metres  
**Rainfall:** No Data  
**Runoff:** No Data  
**Drainage:** Well drained

**Geology**

**ExposureType:** Auger boring  
**Geol. Ref.:** No Data  
**Conf. Sub. is Parent. Mat.:** No Data  
**Substrate Material:** No Data

**Land Form**

**Rel/Slope Class:** Undulating low hills 30-90m 3-10% **Pattern Type:** Low hills

**Morph. Type:** Mid-slope  
**Elem. Type:** Hillslope  
**Slope:** 4 %  
**Relief:** 40 metres  
**Slope Category:** No Data  
**Aspect:** 135 degrees

**Surface Soil Condition** Soft

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

**Soil Classification**

**Australian Soil Classification:** N/A  
**ASC Confidence:** Confidence level not specified  
**Mapping Unit:** N/A  
**Principal Profile Form:** Uc5.11  
**Great Soil Group:** N/A

**Site** Cultivation. Rainfed

**Vegetation:**

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

**Profile**

A1 0 - 0.1 m Brown (10YR4/3-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Dry; Field pH 6  
 (Raupach); Clear change to -  
 B1 0.1 - 0.45 m Yellowish brown (10YR5/8-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Dry; 10-20%,  
 medium gravelly, 6-20mm, rounded, , coarse fragments; Field pH 7.5 (Raupach); Gradual change to -  
 B2tc 0.45 - 0.65 m Yellowish brown (10YR5/8-Moist); , 0-0% ; Sandy loam; Massive grade of structure; Dry; 20-50%, fine  
 gravelly, 2-6mm, subrounded, , coarse fragments; 10-20%, medium gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 8 (Raupach);

**Morphological Notes**

**Observation Notes**

**Site Notes**

Site along the Fence 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 - 0.1	5.5B									
0.15 - 0.25	6.3B									
0.35 - 0.45	6.2B									
0.45 - 0.65	6.6B	8B	3A	1.95	0.54	0.44			5.93D	
	7.6H									

0.45 - 0.65	6.6B 7.6H	8B	3A	1.95	0.54	0.44		5.93D
0.45 - 0.65	6.6B 7.6H	8B	3A	1.95	0.54	0.44		5.93D

Depth	CaCO <sub>3</sub>	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m <sup>3</sup>			%	
0 - 0.1											
0.15 - 0.25											
0.35 - 0.45											
0.45 - 0.65									80I		6.5
13.5											
0.45 - 0.65									80I		6.5
13.5											
0.45 - 0.65									80I		6.5
13.5											

#### Laboratory Analyses Completed for this profile

13C1_AL	Citrate/dithionite-extractable iron, aluminium, Manganese and Silicon
13C1_FE	Citrate/dithionite-extractable iron, aluminium, Manganese and Silicon
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
15A1_CA	Exchangeable bases (Ca <sup>2+</sup> ,Mg <sup>2+</sup> ,Na <sup>+</sup> ,K <sup>+</sup> ) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	
	salts
15A1_CEC	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_K	Exchangeable bases (Ca <sup>2+</sup> ,Mg <sup>2+</sup> ,Na <sup>+</sup> ,K <sup>+</sup> ) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	
	salts
15A1_MG	Exchangeable bases (Ca <sup>2+</sup> ,Mg <sup>2+</sup> ,Na <sup>+</sup> ,K <sup>+</sup> ) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	
	salts
15A1_NA	Exchangeable bases (Ca <sup>2+</sup> ,Mg <sup>2+</sup> ,Na <sup>+</sup> ,K <sup>+</sup> ) - 1M ammonium chloride at pH 7.0, no 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
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