

**Project Name:** Katanning land resources survey  
**Project Code:** KLC **Site ID:** 1909 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

**Site Information**

**Desc. By:** Heather Percy **Locality:**  
**Date Desc.:** 12/08/94 **Elevation:** 280 metres  
**Map Ref.:** **Rainfall:** No Data  
**Northing/Long.:** 6254510 AMG zone: 50 **Runoff:** No Data  
**Easting/Lat.:** 485840 Datum: AGD84 **Drainage:** Moderately well drained

**Geology**

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

**Land Form**

**Rel/Slope Class:** Gently undulating rises 9-30m 1-3% **Pattern Type:** Rises

**Morph. Type:** Mid-slope **Relief:** 20 metres  
**Elem. Type:** Footslope **Slope Category:** No Data  
**Slope:** 3 % **Aspect:** 0 degrees

**Surface Soil Condition** Hardsetting, Hardsetting

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

**Soil Classification**

**Australian Soil Classification:** **Mapping Unit:** N/A  
 N/A **Principal Profile Form:** Dr3.11  
**ASC Confidence:** **Great Soil Group:** N/A  
 Confidence level not specified

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

**Vegetation:**

**Surface Coarse** 2-10%, medium gravelly, 6-20mm, rounded, ; No surface coarse fragments

**Profile**

A1	0 - 0.1 m	Very dark grey (10YR3/1-Moist); , 0-0% ; Sandy loam; Single grain grade of structure; Moist; Field pH 6
		(Raupach); Abrupt change to -
B21	0.1 - 0.4 m	Red (2.5YR4/6-Moist); Mottles, 10YR54, 10-20% , 5-15mm, Distinct; Medium clay; Strong grade of
		structure, Polyhedral; Smooth-ped fabric; Dry; Field pH 5.5 (Raupach); Gradual change to -
B22	0.4 - 0.55 m	Light yellowish brown (10YR6/4-Moist); Mottles, 2.5YR46, 10-20% , 5-15mm, Distinct; Medium clay;
		Strong grade of structure, Polyhedral; Smooth-ped fabric; Dry; Field pH 5.5 (Raupach); Clear change to -
B3	0.55 - 0.65 m	Light yellowish brown (10YR6/4-Moist); Mottles, 10YR58, 10-20% , 5-15mm, Distinct; , 2.5YR46, 2-10%
		, 5-15mm, Distinct; Light medium clay; Strong grade of structure, Polyhedral; Smooth-ped fabric; Dry;
		Field pH 5.5 (Raupach);

**Morphological Notes**

B21 Very slight dispersion.

**Observation Notes**

**Site Notes**

Site along the Lower Blackwood Road reserve - Similar to site 1905.

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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				%

0.1 - 0.3	4.4B 5H	24B	1.8H	5.2	0.23	0.6	0.06J	7.83D
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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>			%	
0.1 - 0.3 62.5									32.5l		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
15E1_AL	Exchangeable Al - by compulsive exchange, no pretreatment for soluble salts
15E1_CA	Exchangeable bases (Ca <sup>2+</sup> ,Mg <sup>2+</sup> ,Na <sup>+</sup> ,K <sup>+</sup> ) 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 (Mn <sup>2+</sup> ) 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_NR_C	Clay (%) - Not recorded
P10_NR_S	Sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded