

**Project Name:** Katanning land resources survey  
**Project Code:** KLC **Site ID:** 1914 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

**Site Information**

**Desc. By:** Heather Percy  
**Date Desc.:** 15/08/94  
**Map Ref.:**  
**Northing/Long.:** 6256160 AMG zone: 50  
**Easting/Lat.:** 488220 Datum: AGD84  
**Locality:**  
**Elevation:** 270 metres  
**Rainfall:** No Data  
**Runoff:** No Data  
**Drainage:** Poorly 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:** Lower-slope  
**Elem. Type:** Hillslope  
**Slope:** 5 %  
**Relief:** 40 metres  
**Slope Category:** No Data  
**Aspect:** 270 degrees

**Surface Soil Condition** Hardsetting, Hardsetting

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

**Soil Classification**

**Australian Soil Classification:** N/A  
**ASC Confidence:** Confidence level not specified  
**Mapping Unit:** N/A  
**Principal Profile Form:** Uc4.24  
**Great Soil Group:** N/A

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

**Vegetation:**

**Surface Coarse** ; 10-20%, , subangular, Dolerite

**Profile**

A1	0 - 0.15 m	Very dark grey (7.5YR3/1-Moist); , 0-0% ; Sandy loam; Massive grade of structure; Sandy (grains prominent) fabric; Moist; Field pH 6 (Raupach); Clear change to -
A21	0.15 - 0.3 m	Dark brown (7.5YR3/3-Moist); , 0-0% ; Clayey coarse sand; Single grain grade of structure; Sandy (grains prominent) fabric; Wet; Field pH 6.5 (Raupach); Gradual change to -
A22	0.3 - 0.6 m	Light olive brown (2.5Y5/4-Moist); , 0-0% ; Clayey coarse sand; Single grain grade of structure; Sandy (grains prominent) fabric; Wet; Field pH 6.5 (Raupach); Abrupt change to -
B2t	0.6 - 0.8 m	Yellowish brown (10YR5/4-Moist); Mottles, 5YR46, 10-20% , 5-15mm, Distinct; Medium clay; Strong grade of structure; Rough-ped fabric; Field pH 5.5 (Raupach);

**Morphological Notes**

A22 Water entered in this layer.

**Observation Notes**

**Site Notes**

Site located on a dolerite dyke trending East-West where it is crossed by Narlingup Road North, 50 m upslope of a saline valley floor.

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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				Na				%
						Cmol (+)/kg				
0.6 - 0.8	4.9B 5.2H	54B	4.2H	13	0.13	1.2	<0.02J		18.53D	

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>			%	
0.6 - 0.8 49									42.5l		8.5

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

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMR	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