

**Project Name:** Katanning land resources survey  
**Project Code:** KLC **Site ID:** 1955 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

#### Site Information

**Desc. By:** Heather Percy  
**Date Desc.:** 29/08/94  
**Map Ref.:**  
**Northing/Long.:** 6272790 AMG zone: 50  
**Easting/Lat.:** 480400 Datum: AGD84  
**Locality:**  
**Elevation:** 290 metres  
**Rainfall:** No Data  
**Runoff:** No Data  
**Drainage:** Poorly drained

#### Geology

**Exposure Type:** 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:** 3 %  
**Relief:** 40 metres  
**Slope Category:** No Data  
**Aspect:** 90 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:** Uc2.23  
**Great Soil Group:** 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

A11 0 - 0.12 m Black (10YR2/1-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Wet; Field pH 6.5  
 (Raupach); Clear change to -  
 A12 0.12 - 0.35 m Dark grey (10YR4/1-Moist); , 0-0% ; Sand; Single grain grade of structure; Wet; Field pH 6 (Raupach);  
 A21 0.35 - 0.6 m Light brownish grey (10YR6/2-Moist); , 0-0% ; Sand; Single grain grade of structure; Wet; Field pH 6.5  
 (Raupach);  
 A22e 0.6 - 0.8 m Light grey (10YR7/2-Moist); Mottles, 2.5YR46, 2-10% , 0-5mm, Distinct; Sand; Single grain grade of structure; Wet; Field pH 6.5 (Raupach);  
 B2 0.8 - 1 m Very pale brown (10YR7/3-Moist); Mottles, 5YR58, 20-50% , 15-30mm, Distinct; Sandy medium clay;  
 Weak grade of structure; Moderately moist; Field pH 5.5 (Raupach);

#### Morphological Notes

#### Observation Notes

#### Site Notes

Site along Glenorchy Road South.

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#### Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Cations	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m		Mg K	cmol (+)/kg				%
0 - 0.1	5.4B								
0.15 - 0.25	4.8B								

0.4 - 0.5	4.9B										
0.8 - 1	4.3B	6B	0.36H	2.2	0.03	0.42	0.2J			3.01D	
	5.2H										

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV CS FS Silt
0 - 0.1								
0.15 - 0.25								
0.4 - 0.5								
0.8 - 1								67I 2
31								

#### **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 (Ca2+,Mg2+,Na+,K+) 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 (Mn2+) 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