

**Project Name:** Katanning land resources survey  
**Project Code:** KLC **Site ID:** 0113 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

#### Site Information

**Desc. By:** Heather Percy  
**Date Desc.:** 15/11/91  
**Map Ref.:**  
**Northing/Long.:** 6263590 AMG zone: 50  
**Easting/Lat.:** 559870 Datum: AGD84  
**Locality:**  
**Elevation:** 295 metres  
**Rainfall:** No Data  
**Runoff:** No Data  
**Drainage:** No Data

#### Geology

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

#### Land Form

**Rel/Slope Class:** Gently undulating plains <9m 1-3%  
**Pattern Type:** Alluvial plain

**Morph. Type:** Flat  
**Elem. Type:** Plain  
**Slope:** 1 %  
**Relief:** 3 metres  
**Slope Category:** No Data  
**Aspect:** 180 degrees

#### Surface Soil Condition Firm

**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:** Uc2.21  
**Great Soil Group:** N/A

**Site** Complete clearing. Pasture, native or improved, but never cultivated

#### Vegetation:

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

#### Profile

A1	0 - 0.06 m	Dark greyish brown (10YR4/2-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Dry; 0-2%, change to -
A21e	0.06 - 0.36 m	Greyish brown (10YR5/2-Moist); , 0-0% ; Loamy coarse sand; Single grain grade of structure; Dry; 2-10%, Clear change to -
A22e	0.36 - 0.45 m	Brown (10YR5/3-Moist); , 0-0% ; Coarse sand; Massive grade of structure; Dry; 2-10%, Quartz, coarse fragments; Field pH 5.5 (Raupach); Few, fine (1-2mm) roots; Clear change to -
A23e	0.45 - 0.7 m	Yellowish brown (10YR5/4-Moist); , 0-0% ; Coarse sand; Massive grade of structure; Dry; 2-10%, Quartz, coarse fragments; Field pH 6 (Raupach); Few, fine (1-2mm) roots; Clear change to -
B21	0.7 - 1 m	Light brownish grey (2.5Y6/2-Moist); Mottles, 10YR68, 20-50% , 15-30mm, Distinct; Clay loam, fine coarse sandy; Moderate grade of structure; Rough-ped fabric; Moderately moist; 0-2%, Quartz, fragments; Field pH 6 (Raupach); Few, fine (1-2mm) roots; Clear change to -
B22	1 - 1.08 m	Light brownish grey (2.5Y6/3-Moist); Mottles, 10YR68, 10-20% , 5-15mm, Distinct; Clay loam; Massive grade of structure; Dry; 0-2%, Quartz, coarse fragments; Field pH 7.5 (Raupach);

#### Morphological Notes

A1 F QZ  
 A21e F QZ  
 A22e F QZ  
 A23e F,M S QZ  
 B21 F S QZ, SAMPLED  
 B22 F A QZ

#### Observation Notes

## Site Notes

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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				%
0.7 - 1	4.8B 6.1H	11B	1.02H	1.78	0.03	0.83	0.03J		3.66D	
0.7 - 1	4.8B 6.1H	11B	1.02H	1.78	0.03	0.83	0.03J		3.66D	

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0.7 - 1									83.5l		3.5
13									83.5l		3.5
0.7 - 1									83.5l		3.5
13									83.5l		3.5

## 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 (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_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