Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **0117** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By:	Heather Percy	**Locality:**	
Date Desc.:	18/11/91	**Elevation:**	345 metres
Map Ref.:		**Rainfall:**	No Data
Northing/Long.:	6267120 AMG zone: 50	**Runoff:**	No Data
Easting/Lat.:	548300 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:	Undulating low hills 30-90m 3-10%	**Pattern Type:**	Low hills
Morph. Type:	Mid-slope	**Relief:**	60 metres
Elem. Type:	Hillslope	**Slope Category:**	No Data
Slope:	4 %	**Aspect:**	90 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 Extensive clearing, for example poisoning, ringbarking

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

A1 0 - 0.1 m Very dark grey (10YR3/1-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Moist; 10-20%, Quartz, coarse fragments; Field pH 4.5 (Raupach); Common, fine (1-2mm) roots; Abrupt change to -

A2e 0.1 - 0.45 m Very pale brown (10YR7/3-Moist); , 0-0% ; Coarse sand; Single grain grade of structure; Moist; 20-50%, Quartz, coarse fragments; Field pH 6 (Raupach); Few, fine (1-2mm) roots; Clear change to -

A3 0.45 - 0.65 m Brownish yellow (10YR6/6-Moist); , 0-0% ; Clayey coarse sand; Single grain grade of structure; Moist; 20-50%, Quartz, coarse fragments; Field pH 6.5 (Raupach); Clear change to -

B21t 0.65 - 0.75 m Brownish yellow (10YR6/6-Moist); Mottles, 7.5YR56, 10-20% , 5-15mm, Distinct; Light medium clay; Moderate grade of structure; Smooth-ped fabric; Moderately moist; Field pH 6 (Raupach); Common, medium (2-5mm) roots; Clear change to -

B22 0.75 - 0.85 m Brownish yellow (10YR6/8-Moist); Mottles, 7.5YR68, 10-20% , 5-15mm, Distinct; Light clay; Weak grade of structure; Rough-ped fabric; Moderately moist; Field pH 6 (Raupach); Gradual change to -

B2 0.85 - 1 m Light grey (10YR7/2-Moist); Mottles, 7.5YR68, 10-20% , 5-15mm, Distinct; Coarse sandy light clay; Massive grade of structure; Moderately moist; Field pH 6 (Raupach);

Morphological Notes

A1	F S QZ & M U IS
A2e	M F S QZ & F M IS
A3	F,M S QZ
B21t	+MS SAMPLED
B22	SAMPLED

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable Acidity	CEC	ECEC	ESP
			Ca	Mg	K	Na				
m		dS/m				Cmol (+)/kg				%
0.65 - 0.85	5B	9B	0.29H	2.14	0.02	0.75	0.03J		3.2D	
	6.1H		0.29H	2.14	0.02	0.75	0.03J		3.2D	
	5B									
	6.1H									
0.65 - 0.85	5B	9B	0.29H	2.14	0.02	0.75	0.03J		3.2D	
	6.1H		0.29H	2.14	0.02	0.75	0.03J		3.2D	
	5B									
	6.1H									
0.65 - 0.85	5B	9B	0.29H	2.14	0.02	0.75	0.03J		3.2D	
	6.1H		0.29H	2.14	0.02	0.75	0.03J		3.2D	
	5B									
	6.1H									
0.65 - 0.85	5B	9B	0.29H	2.14	0.02	0.75	0.03J		3.2D	
	6.1H		0.29H	2.14	0.02	0.75	0.03J		3.2D	
	5B									
	6.1H									

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis				
								GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0.65 - 0.85									72.5I		8	19.5
									72.5I		8	19.5
0.65 - 0.85									72.5I		8	19.5
									72.5I		8	19.5
0.65 - 0.85									72.5I		8	19.5
									72.5I		8	19.5
0.65 - 0.85									72.5I		8	19.5
									72.5I		8	19.5

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 (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