Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **1264** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By:	Heather Percy	**Locality:**	
Date Desc.:	03/09/93	**Elevation:**	348 metres
Map Ref.:		**Rainfall:**	No Data
Northing/Long.:	6334480 AMG zone: 50	**Runoff:**	No Data
Easting/Lat.:	534920 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:**	40 metres
Elem. Type:	Hillslope	**Slope Category:**	No Data
Slope:	4 %	**Aspect:**	270 degrees

Surface Soil Condition Loose

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

A1 0 - 0.15 m Dark grey (10YR4/1-Moist); , 0-0% ; Coarse sand; Single grain grade of structure; Moderately moist; Field pH 5.5 (Raupach); Clear change to -

A21 0.15 - 0.4 m Brown (10YR5/3-Moist); , 0-0% ; Clayey coarse sand; Single grain grade of structure; Moist; Field pH 6 (Raupach); Gradual change to -

A22e 0.4 - 0.65 m Light grey (10YR7/2-Moist); , 0-0% ; Clayey coarse sand; Single grain grade of structure; Wet; 20-50%, medium gravelly, 6-20mm, rounded, , coarse fragments; Field pH 6.5 (Raupach); Clear change to -

B21t 0.65 - 1 m Light grey (10YR7/1-Moist); Mottles, 10YR58, 20-50% , 15-30mm, Distinct; Coarse sandy light medium clay; Weak grade of structure; Rough-ped fabric; Moderately moist; Field pH 7 (Raupach); Gradual change to -

B22t 1 - 1.2 m Yellowish brown (10YR5/8-Moist); Mottles, 10YR71, 20-50% , 15-30mm, Distinct; Medium clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Field pH 7 (Raupach);

Morphological Notes

Observation Notes

Site Notes

Site along road reserve of Cameron Road. 200m downslope of breakaway 50 m upslope of rock outcrop

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity			

m		dS/m				Cmol (+)/kg				%
0 - 0.1	4.3B									
0.15 - 0.25	4.8B									
0.4 - 0.5	5.2B									
0.65 - 0.85	5.9B	11B	0.09A	2.98	0.06	0.83			3.96D	
	6.7H									
0.65 - 0.85	5.9B	11B	0.09A	2.98	0.06	0.83			3.96D	
	6.7H									

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	GV	Particle CS	Size FS	Analysis Silt
		Clay									
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.1											
0.15 - 0.25											
0.4 - 0.5											
0.65 - 0.85									53I		4.5
42.5											
0.65 - 0.85									53I		4.5
42.5											

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
15A1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_CEC	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_K	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_MG	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_NA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15J_BASES	Sum of Bases
15L1_a	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using Sum of Cations and measured clay
15N1_a	Exchangeable sodium percentage (ESP) - Auto calculated from available using CEC
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