

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0508 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 19/10/92	Elevation: 358 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6297470 AMG zone: 50	Runoff: No Data
Easting/Lat.: 512070 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: Flat	Relief: 60 metres
Elem. Type: Valley flat	Slope Category: No Data
Slope: 0 %	Aspect: No Data

Surface Soil Condition Hardsetting, Hardsetting

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

Soil Classification

Australian Soil Classification: N/A	Mapping Unit: N/A
ASC Confidence: Confidence level not specified	Principal Profile Form: Dg2.13
	Great Soil Group: N/A

Site

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

A1	0 - 0.2 m	Dark greyish brown (10YR4/2-Moist); , 0-0% ; Fine sandy loam; Single grain grade of structure; Moist;
		Very weak consistence; Field pH 5.5 (Raupach); Common, fine (1-2mm) roots; Abrupt change to -
B21	0.2 - 0.6 m	Light brownish grey (10YR6/2-Moist); Mottles, 7.5YR58, 10-20% , 0-5mm, Distinct; Light clay; Moderate
		grade of structure; Rough-ped fabric; Firm consistence; Field pH 5 (Raupach); Common, fine (1-2mm) roots; Gradual change to -
B22	0.6 - 0.75 m	Light brownish grey (2.5Y6/3-Moist); Mottles, 2.5Y76, 10-20% , 5-15mm, Faint; Light clay; Moderate
		grade of structure; Rough-ped fabric; Weak consistence; Field pH 7 (Raupach); Few, fine (1-2mm) roots; Clear change to -
C	0.75 - 1 m	Light brownish grey (2.5Y6/3-Moist); Mottles, 10YR68, 20-50% , 15-30mm, Faint; Coarse sandy light
		clay; Weak grade of structure; Rough-ped fabric; Weak consistence; Field pH 10 (Raupach); Few, fine (1-2mm) roots;

Morphological Notes

Observation Notes

Site Notes

Beaufort Road

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
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m	dS/m	Cmol (+)/kg							%
0 - 0.11	4.48B								
0.11 - 0.21	4.56B								
0.2 - 0.6	4.5B	14B	2.41H	3.3	0.04	1.5	0.27J	7.25D	
	5.8H								
0.2 - 0.6	4.5B	14B	2.41H	3.3	0.04	1.5	0.27J	7.25D	
	5.8H								
0.41 - 0.51	4.56B								

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	Clay %	mg/kg	%	%	%	Mg/m3	GV CS FS Silt
0 - 0.11								
0.11 - 0.21								
0.2 - 0.6								
0.2 - 0.6								
0.41 - 0.51								

Laboratory Analyses Completed for this profile

15_NR_CMV	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)