

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0482 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 21/09/92	Elevation: 298 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6238710 AMG zone: 50	Runoff: No Data
Easting/Lat.: 574490 Datum: AGD84	Drainage: Imperfectly 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: Upper-slope	Relief: 40 metres
Elem. Type: Hillslope	Slope Category: No Data
Slope: 1 %	Aspect: 180 degrees

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: Dy3.11
	Great Soil Group: N/A

Site Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

Surface Coarse No surface coarse fragments; 2-10%, , subangular, Gneiss

Profile

A1	0 - 0.08 m	Dark grey (10YR4/1-Moist); , 0-0% ; Sandy loam; Weak grade of structure, 20-50 mm, Subangular
		blocky; Moist; Very weak consistence; Field pH 6 (Raupach); Many, fine (1-2mm) roots; Sharp, Smooth
		change to -
B2t	0.08 - 0.5 m	Light brownish grey (2.5Y6/3-Moist); Mottles, 10R36, 2-10% , 15-30mm, Prominent; Mottles, 10YR68,
		20-50% , 5-15mm, Distinct; Medium clay; Moderate grade of structure; Rough-ped fabric; Moderately
		moist; Firm consistence; Field pH 6.5 (Raupach); Common, fine (1-2mm) roots; Clear change to -
B3	0.5 - 0.65 m	Light grey (10YR7/1-Moist); Mottles, 10R36, 10-20% , 15-30mm, Prominent; Mottles, 10YR67, 20-50% ,
		15-30mm, Prominent; Medium clay; Moderate grade of structure; Rough-ped fabric; Moderately moist;
		Firm consistence; 10-20%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Field pH 6
		(Raupach); Common, fine (1-2mm) roots; Clear change to -
C	0.65 - 1.1 m	Light grey (10YR7/1-Moist); Mottles, 10R48, 20-50% , 15-30mm, Distinct; Mottles, 10YR66, 2-10% , 15-
		30mm, Distinct; Light clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Firm
		consistence; 10-20%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Field pH 6
		(Raupach);

Morphological Notes

A1 Few earthworms present

Observation Notes

Site Notes

Wray Road

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Observation 1

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 - 0.11	4.42B									
0.08 - 0.5	5.1B 6.2H	7B	1.67H	2.7	0.03	0.53	0.06J		4.93D	
0.08 - 0.5	5.1B 6.2H	7B	1.67H	2.7	0.03	0.53	0.06J		4.93D	
0.16 - 0.26	4.87B									
0.41 - 0.51	4.97B									

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 - 0.11											
0.08 - 0.5											
0.08 - 0.5											
0.16 - 0.26											
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 (Ca ²⁺ ,Mg ²⁺ ,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 (Mn ²⁺) 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)