

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 1883 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 04/08/94	Elevation: 320 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6248120 AMG zone: 50	Runoff: No Data
Easting/Lat.: 493430 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 rises 9-30m 3-10%	Pattern Type: Rises
Morph. Type: Upper-slope	Relief: 20 metres
Elem. Type: Hillslope	Slope Category: No Data
Slope: 4 %	Aspect: 0 degrees

Surface Soil Condition Soft

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; No surface coarse fragments

Profile

A1	0 - 0.05 m	Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Clayey sand; Massive grade of structure; Wet; Field
		pH 6.5 (Raupach); Abrupt change to -
A3	0.05 - 0.2 m	Yellowish brown (10YR5/4-Moist); , 0-0% ; Sandy clay loam; Weak grade of structure; Moist; Field pH
		5.5 (Raupach); Clear change to -
B21	0.2 - 0.3 m	Light yellowish brown (10YR6/4-Moist); , 0-0% ; Sandy light medium clay; Moderate grade of structure;
		Rough-ped fabric; Moist; Field pH 5 (Raupach); Clear change to -
B22	0.3 - 0.45 m	Brownish yellow (10YR6/6-Moist); Mottles, 2.5YR46, 0-2% , 0-5mm, Distinct; Light medium clay;
		Moderate grade of structure; Rough-ped fabric; Moderately moist; Field pH 5 (Raupach);
Gradual		change to -
B3	0.45 - 0.8 m	Light yellowish brown (10YR6/4-Moist); Mottles, 2.5YR46, 2-10% , 5-15mm, Distinct; , 10YR58, 2-10% ,
		5-15mm, Distinct; Medium clay; Strong grade of structure; Rough-ped fabric; Moderately moist; Field pH
		5 (Raupach); Gradual change to -
C	0.8 - 0.9 m	Very pale brown (10YR7/3-Moist); Mottles, 10YR81, 10-20% , 15-30mm, Distinct; , 2.5YR46, 10-20% ,
		15-30mm, Distinct; Light medium clay; Strong grade of structure; Rough-ped fabric;
Moderately moist;		Field pH 5.5 (Raupach);

Morphological Notes

B22	Kaolinised clay
B3	Kaolinitic clay
C	Mottled Kaolinised clay

Observation Notes

Site Notes

Site along the Tone Road reserve.

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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 - 0.1	5.2B									
	5.2B									
0 - 0.1	5.2B									
	5.2B									
0.1 - 0.2	4.6B									
0.2 - 0.4	4.2B	24B	1.6H	0.36	0.05	0.04	<0.02J		2.05D	
	4.6H		1.6H	0.36	0.05	0.04	<0.02J		2.05D	
	4.2B									
	4.6H									
0.2 - 0.4	4.2B	24B	1.6H	0.36	0.05	0.04	<0.02J		2.05D	
	4.6H		1.6H	0.36	0.05	0.04	<0.02J		2.05D	
	4.2B									
	4.6H									
0.3 - 0.4	4.3B									

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 - 0.1											
0 - 0.1											
0.1 - 0.2											
0.2 - 0.4									35.5l		15
49.5									35.5l		15
									49.5		
0.2 - 0.4									35.5l		15
49.5									35.5l		15
									49.5		
0.3 - 0.4											

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_NR_C	Clay (%) - Not recorded
P10_NR_S	Sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded