

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0182 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 07/05/92	Elevation: 270 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6273570 AMG zone: 50	Runoff: No Data
Easting/Lat.: 521870 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: Level plain <9m <1%	Pattern Type: Alluvial plain
Morph. Type: Flat	Relief: 5 metres
Elem. Type: Plain	Slope Category: No Data
Slope: 0 %	Aspect: No Data

Surface Soil Condition 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: Dy3.81
	Great Soil Group: N/A

Site Complete clearing. Pasture, native or improved, but never cultivated

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

A1	0 - 0.08 m	Brown (10YR4/3-Moist); , 0-0% ; Loamy fine sand; Single grain grade of structure; Moderately moist;
		Loose consistence; Water repellent; Field pH 6.5 (Raupach); Many, fine (1-2mm) roots; Abrupt, Smooth
		change to -
A2e	0.08 - 0.2 m	Very pale brown (10YR7/3-Moist); , 0-0% ; Fine sand; Single grain grade of structure; Moderately moist;
		Loose consistence; Field pH 6 (Raupach); Few, fine (1-2mm) roots; Abrupt, Smooth
		change to -
B2t	0.2 - 0.6 m	Brownish yellow (10YR6/8-Moist); Mottles, 10R48, 10-20% , 5-15mm, Distinct; Mottles, 10YR68, 10-
		20% , 5-15mm, Distinct; Fine sandy light clay; Weak grade of structure; Rough-ped fabric; Moderately
		moist; Weak consistence; Field pH 5 (Raupach); Common, fine (1-2mm) roots; Gradual
		change to -
C1	0.6 - 0.8 m	Brownish yellow (10YR6/8-Moist); Mottles, 10YR58, 20-50% , 5-15mm, Distinct; Mottles, 10R36, 20-
		50% , 5-15mm, Distinct; Coarse sandy loam; Massive grade of structure; Moist; Very
		weak consistence;
		2-10%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Field pH 5 (Raupach);
		Clear change to -
C2	0.8 - 1 m	Very pale brown (10YR7/4-Moist); Mottles, 10YR76, 20-50% , 5-15mm, Faint; Coarse
		sandy clay loam;
		Massive grade of structure; Moist; Firm consistence; Field pH 6 (Raupach); Clear change
		to -
C3	1 - 1.15 m	Light grey (10YR7/1-Moist); Mottles, 5YR58, 20-50% , 5-15mm, Distinct; Mottles, 10YR68, 20-50% , 5-
		15mm, Distinct; Coarse sandy clay loam; Massive grade of structure; Moist; Weak
		consistence; Field pH
		6 (Raupach);

Morphological Notes

B2t Fine sand changes to medium sand with some coarse sand down layer.
 C1 Gritty sand in pockets - with clay (SL)

Observation Notes**Site Notes**

Good example of remnant vegetation on other side of Mission Road

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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	5.22B									
0.16 - 0.26	5.1B									
0.2 - 0.6	4.3B	3B	1.18H	2.84	0.06	0.46	0.96J		4.54D	
	5.8H									
0.2 - 0.6	4.3B	3B	1.18H	2.84	0.06	0.46	0.96J		4.54D	
	5.8H									
0.41 - 0.51	3.93B									

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											
0.16 - 0.26											
0.2 - 0.6									65.5l		6
28.5											
0.2 - 0.6									65.5l		6
28.5											
0.41 - 0.51											

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_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