

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 1894 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 08/08/94	Elevation: 290 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6251500 AMG zone: 50	Runoff: No Data
Easting/Lat.: 486160 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: Gently undulating rises 9-30m 1-3% **Pattern Type:** Rises

Morph. Type: Mid-slope	Relief: 20 metres
Elem. Type: Hillslope	Slope Category: No Data
Slope: 5 %	Aspect: 0 degrees

Surface Soil Condition Loose

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: Dy4.21
	Great Soil Group: N/A

Site Cultivation. Rainfed

Vegetation:

Surface Coarse

Profile

A1	0 - 0.1 m	Dark reddish brown (5YR3/2-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Moist; Field
		pH 6 (Raupach); Common, very fine (0-1mm) roots; Clear change to -
A21	0.1 - 0.2 m	Reddish brown (5YR4/4-Moist); , 0-0% ; Clayey coarse sand; Single grain grade of structure; Moist; 2-
		10%, rounded, , coarse fragments; Field pH 6.5 (Raupach); Common, fine (1-2mm) roots; Gradual
		change to -
A22	0.2 - 0.35 m	Reddish brown (5YR5/4-Moist); , 0-0% ; Clayey coarse sand; Single grain grade of structure; Moist; 10-
		20%, rounded, , coarse fragments; Field pH 6.5 (Raupach); Common, fine (1-2mm) roots; Clear change
		to -
B2	0.35 - 0.5 m	Yellowish brown (10YR5/8-Moist); Mottles, 2.5YR46, 0-2% , 5-15mm, Distinct; Light clay; Moderate
		grade of structure; Moderately moist; Field pH 6.5 (Raupach); Common, fine (1-2mm) roots; Clear
		change to -
B3	0.5 - 0.6 m	Brownish yellow (10YR6/8-Moist); ; Sandy clay loam; Massive grade of structure; Moderately moist; Field
		pH 6 (Raupach); Common, medium (2-5mm) roots;

Morphological Notes

Observation Notes

Site Notes

Site along white Elephant Road reserve.

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity		%
0.35 - 0.5	5.4B 6.4H	6B	2H	2.8	0.42	0.52	<0.02J	5.74D	

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			%	
0.35 - 0.5 29									57.5I		13.5

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