Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **0407** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By: Heather Percy
Date Desc.: 18/08/92
Map Ref.:
Northing/Long.: 6274630 AMG zone: 50
Easting/Lat.: 570680 Datum: AGD84
Locality:
Elevation: 275 metres
Rainfall: No Data
Runoff: No Data
Drainage: Imperfectly drained

Geology

ExposureType: Auger boring
Geol. Ref.: No Data
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: No Data

Land Form

Rel/Slope Class: Gently undulating plains <9m 1-3%
Pattern Type: Sand plain

Morph. Type: Lower-slope
Elem. Type: Duneslope
Slope: 2 %
Relief: 5 metres
Slope Category: No Data
Aspect: 315 degrees

Surface Soil Condition

Recently cultivated

Erosion:

(wind); (sheet) (rill) (gully)

Soil Classification

Australian Soil Classification:
N/A
ASC Confidence:
Confidence level not specified
Mapping Unit: N/A
Principal Profile Form: Uc2.23
Great Soil Group: N/A

Site

Cultivation. Rainfed

Vegetation:

Surface Coarse

No surface coarse fragments; No surface coarse fragments

Profile

A1 0 - 0.15 m Grey (10YR5/1-Moist); , 0-0% ; Sand; Single grain grade of structure; Moderately moist; Loose consistence; Field pH 5.5 (Raupach); Many, very fine (0-1mm) roots; Abrupt change to -

A21e 0.15 - 0.55 m Light grey (10YR7/2-Moist); , 0-0% ; Coarse sand; Single grain grade of structure; Moist; Loose consistence; Field pH 5.5 (Raupach); Common, very fine (0-1mm) roots; Gradual change to -

A22e 0.55 - 0.7 m Light grey (10YR7/2-Moist); Mottles, 10YR76, 10-20% , 5-15mm, Faint; Clayey coarse sand; Single grain grade of structure; Wet; Loose consistence; Field pH 5 (Raupach);

B2t 0.7 - 0.9 m Light brownish grey (10YR6/2-Moist); Mottles, 5YR57, 20-50% , 15-30mm, Distinct; Coarse sandy light clay; Weak grade of structure; Rough-ped fabric; Moderately moist; Weak consistence; Field pH 4.5 (Raupach); Gradual change to -

C 0.9 - 1 m Light grey (10YR7/1-Moist); Mottles, 7.5YR68, 20-50% , 5-15mm, Distinct; Coarse sandy loam; Massive grade of structure; Sandy (grains prominent) fabric; Very weak consistence; Field pH 5 (Raupach);

Morphological Notes

B2t Sample for ESP

Observation Notes

Site Notes

Leppard Road, opposite CALM nature reserve, site currently under wheat but in past had lupins.

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable Acidity	CEC	ECEC	ESP
			Ca	Mg	K	Na				
m		dS/m	Cmol (+)/kg							%
0 - 0.11	4.32B									
0.16 - 0.26	4.12B									
0.41 - 0.51	4.46B									
0.7 - 0.9	4.3B 4.9H	69B	0.29H	1.92	<0.02	1.32	0.82J		3.54D	
0.7 - 0.9	4.3B 4.9H	69B	0.29H	1.92	<0.02	1.32	0.82J		3.54D	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size			Analysis
		Clay						GV	CS	FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.11											
0.16 - 0.26											
0.41 - 0.51											
0.7 - 0.9											
0.7 - 0.9											

Laboratory Analyses Completed for this profile

15_NR_CMR	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)