Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **0303** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By: Heather Percy
Date Desc.: 03/07/92
Map Ref.:
Northing/Long.: 6288930 AMG zone: 50
Easting/Lat.: 524700 Datum: AGD84
Locality:
Elevation: 255 metres
Rainfall: No Data
Runoff: No Data
Drainage: Well 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: Alluvial plain

Morph. Type: Upper-slope
Elem. Type: Lunette
Slope: 3 %
Relief: 5 metres
Slope Category: No Data
Aspect: 90 degrees

Surface Soil Condition

Loose

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: Uc1.22
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 - 0.15 m Dark brown (10YR3/3-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Moderately moist; Loose consistence; Field pH 5.5 (Raupach); Many, fine (1-2mm) roots; Abrupt, Smooth change to -

A2 0.15 - 0.7 m Brownish yellow (10YR6/6-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Moderately moist; Loose consistence; Field pH 7 (Raupach); Common, fine (1-2mm) roots; Clear change to -

B2t 0.7 - 1 m Yellowish red (5YR5/8-Moist); , 0-0% ; Sandy light clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Weak consistence; Soil matrix is Slightly calcareous; Field pH 8.5 (Raupach); Few, fine (1-2mm) roots; Clear change to -

Morphological Notes

B2t Small lumps of clay in this layer sampled ESP, % clay

Observation Notes

Site Notes

On lunette

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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	5.78B									
0.16 - 0.26	4.76B									

0.41 - 0.51	6.71B									
0.7 - 0.9	7.2B 8.1H	6B	8.99E	0.7	0.52	0.33		13B	10.54D	2.54
0.7 - 0.9	7.2B 8.1H	6B	8.99E	0.7	0.52	0.33		13B	10.54D	2.54
0.7 - 0.9	7.2B 8.1H	6B	8.99E	0.7	0.52	0.33		13B	10.54D	2.54

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	<2C								60I		2
38											
0.7 - 0.9	<2C								60I		2
38											
0.7 - 0.9	<2C								60I		2
38											

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15C1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_CEC	CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_K	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_MG	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_NA	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15J_BASES	Sum of Bases
15L1_a	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using Sum of Cations and measured clay
15N1_a	Exchangeable sodium percentage (ESP) - Auto calculated from available using CEC
15N1_b	Exchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations
19B_NR	Calcium Carbonate (CaCO3) - Not recorded
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