Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **0386** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By: Heather Percy
Date Desc.: 10/08/92
Map Ref.:
Northing/Long.: 6250750 AMG zone: 50
Easting/Lat.: 538700 Datum: AGD84
Locality:
Elevation: 320 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: Undulating low hills 30-90m 3-10%
Pattern Type: Low hills

Morph. Type: Upper-slope
Elem. Type: Hillslope
Slope: 4 %
Relief: 40 metres
Slope Category: No Data
Aspect: 180 degrees

Surface Soil Condition Hardsetting

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: Dy3.41
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

A11 0 - 0.15 m Very dark grey (10YR3/1-Moist); , 0-0% ; Coarse sand; Single grain grade of structure; Moist; Loose consistence; Field pH 5.5 (Raupach); Common, fine (1-2mm) roots; Gradual change to -

A12 0.15 - 0.3 m Very dark grey (10YR3/1-Moist); , 0-0% ; Coarse sand; Single grain grade of structure; Moist; Loose consistence; Field pH 5.5 (Raupach); Many, fine (1-2mm) roots; Clear change to -

A2e 0.3 - 0.4 m Light brownish grey (10YR6/2-Moist); , 0-0% ; Clayey coarse sand; Single grain grade of structure; Wet; Loose consistence; Field pH 6 (Raupach); Few, fine (1-2mm) roots; Abrupt change to -

B2t 0.4 - 0.7 m Light brownish grey (10YR6/2-Moist); Mottles, 7.5YR58, 20-50% , 5-15mm, Prominent; Medium clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Very firm consistence; Field pH 6 (Raupach); Few, fine (1-2mm) roots; Gradual change to -

B3 0.7 - 0.95 m White (10YR8/1-Moist); Mottles, 7.5R36, 20-50% , 5-15mm, Prominent; , 7.5YR56, 10-20% , 5-15mm, Distinct; Light medium clay; Weak grade of structure; Rough-ped fabric; Moderately moist; Very firm consistence; Field pH 6 (Raupach); Few, fine (1-2mm) roots;

Morphological Notes

A2e Water entered in this layer
B2t Sampled for ESP

Observation Notes

Site Notes

Etna Road. EC= 22MS/M

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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	4.73B									
0.16 - 0.26	4.16B									
0.4 - 0.7	4.6B 5.6H	4B	0.62H	2.48	0.02	0.25	0.62J		3.37D	
0.4 - 0.7	4.6B 5.6H	4B	0.62H	2.48	0.02	0.25	0.62J		3.37D	
0.41 - 0.51	4.38B									

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											
0.4 - 0.7											
0.4 - 0.7											
0.41 - 0.51											

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)