Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **0329** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By: Heather Percy
Date Desc.: 17/07/92
Map Ref.:
Northing/Long.: 6278420 AMG zone: 50
Easting/Lat.: 546760 Datum: AGD84
Locality:
Elevation: 327 metres
Rainfall: No Data
Runoff: No Data
Drainage: Moderately 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: Undulating low hills 30-90m 3-10%
Pattern Type: Low hills
Morph. Type: Upper-slope
Elem. Type: Hillslope
Slope: 3 %
Relief: 50 metres
Slope Category: No Data
Aspect: 180 degrees

Surface Soil Condition

Hardsetting, 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

A1 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; Clear change to -

A21e 0.15 - 0.25 m Light brownish grey (10YR6/2-Moist); , 0-0% ; Coarse sand; Single grain grade of structure; Moist; Loose consistence; Field pH 5.5 (Raupach); Few, very fine (0-1mm) roots; Abrupt change to -

A22ec 0.25 - 0.4 m Pale brown (10YR6/3-Moist); , 0-0% ; Coarse sand; Single grain grade of structure; Moist; Loose consistence; 50-90%, medium gravelly, 6-20mm, rounded, , coarse fragments; Field pH 6 (Raupach); Few, very fine (0-1mm) roots; Abrupt change to -

B2t 0.4 - 0.6 m Strong brown (7.5YR5/7-Moist); Mottles, 2.5YR57, 10-20% , 5-15mm, Distinct; Coarse sandy clay loam; Massive grade of structure; Dry; Very firm consistence; 20-50%, coarse gravelly, 20-60mm, subrounded, , coarse fragments; Many (20 - 50 %), Ferruginous, Very coarse (20 - 60 mm), Nodules; Field pH 6 (Raupach); Few, fine (1-2mm) roots;

Morphological Notes

A22ec Includes some coarse smoothfaced gravel
B2t Very slight dispersion. Sampled % clay,ESP. Too dry and hard to auger

Observation Notes

Site Notes

Trimmer Road

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity			
m		dS/m	Cmol (+)/kg							%
0 - 0.11	4.53B									
0.16 - 0.26	4.33B									
0.4 - 0.6	4.8B 6H	3B	0.8H	0.85	0.05	0.21	0.17J		1.91D	
0.4 - 0.6	4.8B 6H	3B	0.8H	0.85	0.05	0.21	0.17J		1.91D	
0.41 - 0.51	4.85B									

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	GV	Particle Size CS	FS	Analysis Silt
		Clay									
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.11											
0.16 - 0.26											
0.4 - 0.6									84.5I		4
11.5											
0.4 - 0.6									84.5I		4
11.5											
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_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)
P10_NR_C	Clay (%) - Not recorded
P10_NR_S	Sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded