Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **1274** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By: Heather Percy
Date Desc.: 06/09/93
Map Ref.:
Northing/Long.: 6337690 AMG zone: 50
Easting/Lat.: 566120 Datum: AGD84
Locality:
Elevation: 382 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: Gently undulating rises 9-30m 1-3%
Pattern Type: Rises

Morph. Type: Upper-slope
Elem. Type: Hillslope
Slope: 2 %
Relief: 20 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: Dg4.41
Great Soil Group: N/A

Site

Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

Surface Coarse

10-20%, medium gravelly, 6-20mm, angular, Quartz; No surface coarse fragments

Profile

A11 0 - 0.1 m Very dark grey (10YR3/1-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Moderately moist; Loose consistence; Field pH 6 (Raupach); Abrupt change to -

A12 0.1 - 0.2 m Dark grey (10YR4/1-Moist); , 0-0% ; Clayey coarse sand; Single grain grade of structure; Moderately moist; Loose consistence; Field pH 6.5 (Raupach); Clear change to -

A2e 0.2 - 0.3 m Light brownish grey (10YR6/2-Moist); , 0-0% ; Clayey coarse sand; Single grain grade of structure; Moderately moist; Loose consistence; Field pH 6.5 (Raupach); Clear change to -

A3 0.3 - 0.4 m Pale brown (10YR6/3-Moist); , 0-0% ; Sandy loam; Massive grade of structure; Moderately moist; Firm consistence; Field pH 6 (Raupach); Clear change to -

B2 0.4 - 0.65 m White (2.5Y8/2-Moist); Mottles, 2.5YR56, 10-20% , 5-15mm, Distinct; Sandy light medium clay; Moderate grade of structure, Polyhedral; Smooth-ped fabric; Moderately moist; Very firm consistence; Field pH 5.5 (Raupach); Gradual change to -

B3 0.65 - 0.9 m Light grey (2.5Y7/2-Moist); Mottles, 2.5YR56, 20-50% , 5-15mm, Distinct; Light clay; Moderate grade of structure, Polyhedral; Smooth-ped fabric; Dry; Very firm consistence; Field pH 5.5 (Raupach); Clear change to -

C 0.9 - 1.2 m Yellowish brown (10YR5/6-Moist); Mottles, 5YR54, 10-20% , 15-30mm, Distinct; Loam; Weak grade of structure; Smooth-ped fabric; Dry; Field pH 6 (Raupach); Few, very fine (0-1mm) roots;

Morphological Notes

B2 Cutans coating peds - slight dispersion
B3 Kaolinitic
C Kaolinitic weathered fine grained rock - gneiss?

Observation Notes

Site Notes

Site along Dongolocking Road reserve

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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 - 0.1	5B									
0.1 - 0.2	5B									
0.4 - 0.65	4.4B 4.8H	52B	0.1H	2.67	0.04	0.6	0.13J		3.41D	
0.4 - 0.65	4.4B 4.8H	52B	0.1H	2.67	0.04	0.6	0.13J		3.41D	
0.4 - 0.5	4.4B									

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 - 0.1											
0.1 - 0.2											
0.4 - 0.65									52I		6.5
41.5											
0.4 - 0.65									52I		6.5
41.5											
0.4 - 0.5											

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