Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **0507** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By: Heather Percy
Date Desc.: 19/10/92
Map Ref.:
Northing/Long.: 6300250 AMG zone: 50
Easting/Lat.: 515670 Datum: AGD84
Locality:
Elevation: 321 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: 6 %
Relief: 40 metres
Slope Category: No Data
Aspect: 315 degrees

Surface Soil Condition Firm

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: Dy5.41
Great Soil Group: N/A

Site No effective disturbance. Natural

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

A1 0 - 0.2 m Dark grey (10YR4/1-Moist); , 0-0% ; Loamy sand; Weak grade of structure, 50-100 mm, Subangular blocky; Rough-ped fabric; Moderately moist; Loose consistence; Field pH 6 (Raupach); Many, fine (1-2mm) roots; Abrupt change to -

A21 0.2 - 0.4 m Brown (10YR5/3-Moist); , 0-0% ; Loamy coarse sand; Single grain grade of structure; Moist; Loose consistence; Field pH 6 (Raupach); Many, fine (1-2mm) roots; Gradual change to -

A22e 0.4 - 0.55 m Light grey (2.5Y7/2-Moist); , 0-0% ; Clayey coarse sand; Single grain grade of structure; Moist; Loose consistence; 10-20%, fine gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 6 (Raupach); Common, fine (1-2mm) roots; Clear change to -

B2t 0.55 - 0.7 m Olive yellow (2.5Y6/6-Moist); Mottles, 10YR68, 20-50% , 5-15mm, Distinct; Coarse sandy light clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Weak consistence; Field pH 6 (Raupach); Common, fine (1-2mm) roots; Clear change to -

B3 0.7 - 0.8 m Pale yellow (2.5Y7/3-Moist); Mottles, 2.5YR48, 20-50% , 15-30mm, Distinct; Coarse sandy light clay; Weak grade of structure; Rough-ped fabric; Moderately moist; Very weak consistence; Field pH 6 (Raupach);

Morphological Notes

B2t Slight dispersion

Observation Notes

Site Notes

Warup South Road, 50m upslope of dolerite dyke

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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	4.7B									
0.11 - 0.21	4.75B									
0.41 - 0.51	4.86B									
0.55 - 0.7	4.9B 6.1H	4B	0.17H	1.24	0.08	0.22	0.06J		1.71D	
0.55 - 0.7	4.9B 6.1H	4B	0.17H	1.24	0.08	0.22	0.06J		1.71D	

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											
0.11 - 0.21											
0.41 - 0.51											
0.55 - 0.7											
0.55 - 0.7											

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)