Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **0450** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By: Heather Percy
Date Desc.: 14/09/92
Map Ref.:
Northing/Long.: 6245020 AMG zone: 50
Easting/Lat.: 562890 Datum: AGD84
Locality:
Elevation: 301 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: Gently undulating rises 9-30m 1-3%
Pattern Type: Rises

Morph. Type: Lower-slope
Elem. Type: Hillslope
Slope: 2 %
Relief: 25 metres
Slope Category: No Data
Aspect: 315 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: Dg2.43
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 - 0.12 m Dark greyish brown (10YR4/2-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Loose consistence; 10-20%, medium gravelly, 6-20mm, rounded, , coarse fragments; Few (2 - 10 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 6 (Raupach); Many, fine (1-2mm) roots; Clear change to -

A2e 0.12 - 0.4 m Pale brown (10YR6/3-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Moist; Loose consistence; 50-90%, medium gravelly, 6-20mm, rounded, , coarse fragments; Very many (50 - 100 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 6.5 (Raupach); Common, fine (1-2mm) roots; Abrupt change to -

B21t 0.4 - 0.5 m Pale yellow (2.5Y7/4-Moist); Mottles, 10YR68, 20-50% , 15-30mm, Distinct; Light medium clay; Moderate grade of structure; Rough-ped fabric; Weak consistence; 10-20%, medium gravelly, 6-20mm, rounded, , coarse fragments; 2-10%, coarse gravelly, 20-60mm, subrounded, , coarse fragments; Common (10 - 20 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 8 (Raupach); Common, fine (1-2mm) roots; Clear change to -

B22t 0.5 - 0.6 m Pale yellow (2.5Y7/4-Moist); Mottles, 10R46, 10-20% , 30-mm, Prominent; Medium clay; Moderate grade of structure; Rough-ped fabric; Moist; Weak consistence; 10-20%, medium gravelly, 6-20mm, rounded, , coarse fragments; Few (2 - 10 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 8.5 (Raupach); Clear change to -

B3 0.6 - 0.9 m Light grey (10YR7/1-Moist); Mottles, 10YR68, 20-50% , 5-15mm, Distinct; Light clay; Weak grade of structure; Rough-ped fabric; Moist; Weak consistence; 10-20%, medium gravelly, 6-20mm, rounded, , coarse fragments; Few (2 - 10 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 9

(Raupach);

Clear change to -

Morphological Notes

B21t	Very slight dispersion
B3	Water entered at 60cm

Observation Notes

Site Notes

Peringillup East Road

Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **0450** **Observation** **1**
Agency Name: **Agriculture Western Australia**

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	4.87B									
0.16 - 0.26	5.68B									
0.4 - 0.6	6.6B	11B	1.39A	3.67	0.1	1.06			6.22D	
	7.6H		1.39A	3.67	0.1	1.06			6.22D	
	6.6B									
	7.6H									
0.4 - 0.6	6.6B	11B	1.39A	3.67	0.1	1.06			6.22D	
	7.6H		1.39A	3.67	0.1	1.06			6.22D	
	6.6B									
	7.6H									
0.41 - 0.51	6.26B									
0.4 - 0.6	6.6B	11B	1.39A	3.67	0.1	1.06			6.22D	
	7.6H		1.39A	3.67	0.1	1.06			6.22D	
	6.6B									
	7.6H									
0.4 - 0.6	6.6B	11B	1.39A	3.67	0.1	1.06			6.22D	
	7.6H		1.39A	3.67	0.1	1.06			6.22D	
	6.6B									
	7.6H									

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 - 0.6											
0.4 - 0.6											
0.41 - 0.51											
0.4 - 0.6											
0.4 - 0.6											

Laboratory Analyses Completed for this profile

15_NR_CMR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15A1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_CEC	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_K	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_MG	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_NA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no 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
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)