Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **0522** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By: Heather Percy
Date Desc.: 21/10/92
Map Ref.:
Northing/Long.: 6302590 AMG zone: 50
Easting/Lat.: 529400 Datum: AGD84
Locality:
Elevation: 248 metres
Rainfall: No Data
Runoff: No Data
Drainage: Poorly 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: Level plain <9m <1%
Morph. Type: Flat
Elem. Type: Plain
Slope: 0 %
Pattern Type: Alluvial plain
Relief: 1 metres
Slope Category: No Data
Aspect: No Data

Surface Soil Condition Hardsetting, Hardsetting

Erosion: (wind); (sheet) (rill) (gully)

Soil Classification

Australian Soil Classification:
Eutrophic Hypernatric Grey Sodosol
ASC Confidence:
Confidence level not specified
Mapping Unit: N/A
Principal Profile Form: Dy3.11
Great Soil Group: N/A

Site No effective disturbance other than grazing by hoofed animals

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

A1	0 - 0.1 m	Dark grey (10YR4/1-Moist); , 0-0% ; Clayey coarse sand; Massive grade of structure; Dry; Very weak consistence; Field pH 6 (Raupach); Common, fine (1-2mm) roots; Abrupt change to -
B21t	0.1 - 0.4 m	Light brownish grey (2.5Y6/2-Moist); Mottles, 10YR66, 2-10% , 0-5mm, Distinct; Light clay; Strong grade of structure, 20-50 mm, Polyhedral; Rough-ped fabric; Moderately moist; Very firm consistence; Field pH 7.5 (Raupach); Common, fine (1-2mm) roots; Clear change to -
B22t	0.4 - 0.7 m	Light brownish grey (2.5Y6/2-Moist); Mottles, 10YR66, 10-20% , 0-5mm, Distinct; Medium clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Strong consistence; Field pH 6.5 (Raupach); Few, fine (1-2mm) roots;
B3	0.7 - 0.95 m	Light brownish grey (2.5Y6/2-Moist); Mottles, 10YR68, 20-50% , 5-15mm, Distinct; Medium clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Strong consistence; Field pH 4.5 (Raupach); Few, fine (1-2mm) roots;
C	0.95 - 1.05 m	Light brownish grey (2.5Y6/2-Moist); Mottles, 10YR68, 20-50% , 5-15mm, Distinct; Mottles, 2.5YR36, 10-20% , 5-15mm, Prominent; Coarse sandy light clay; Weak grade of structure; Rough-ped fabric; Moderately moist; Very firm consistence; 10-20%, medium gravelly, 6-20mm, subangular, , coarse fragments; Field pH 5 (Raupach);

Morphological Notes

B21t	Very slight dispersion
B3	Sticky clay

Observation Notes

Site Notes

Lime Lake West Road

Project Name: **Katanning land resources survey**

Project Code: KLC **Site ID:** 0522 **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	5.18B									
0.1 - 0.4	6.6B 7.2H	120B	1.57A	7.68	0.62	4.32			14.19D	
0.1 - 0.4	6.6B 7.2H	120B	1.57A	7.68	0.62	4.32			14.19D	
0.16 - 0.26	6.84B									
0.41 - 0.51	5.07B									

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											
0.1 - 0.4											
0.1 - 0.4											
0.16 - 0.26											
0.41 - 0.51											

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)