Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **2126** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By: Heather Percy
Date Desc.: 21/09/94
Map Ref.:
Northing/Long.: 6287730 AMG zone: 50
Easting/Lat.: 471350 Datum: AGD84
Locality:
Elevation: 240 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: Level plain <9m <1%
Morph. Type: Flat
Elem. Type: Plain
Slope: 0 %
Pattern Type: Alluvial plain
Relief: 2 metres
Slope Category: No Data
Aspect: No Data

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: Dy5.43
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 - 0.08 m Dark grey (10YR4/1-Moist); , 0-0% ; Sand; Single grain grade of structure; Moist; Loose consistence; Field pH 6 (Raupach); Abrupt, Wavy change to -

A21e 0.08 - 0.3 m Light brownish grey (2.5Y6/2-Moist); , 0-0% ; Sand; Single grain grade of structure; Moist; Loose consistence; Field pH 6.5 (Raupach); Gradual change to -

A22e 0.3 - 0.5 m Light grey (2.5Y7/2-Moist); , 0-0% ; Sand; Single grain grade of structure; Moist; Loose consistence; Field pH 7.5 (Raupach); Abrupt change to -

B2 0.5 - 0.6 m Dark greyish brown (10YR4/2-Moist); Mottles, 10YR58, 2-10% , 5-15mm, Distinct; Medium heavy clay; Strong grade of structure; Moderately moist; Firm consistence; Field pH 7.5 (Raupach); Clear change to -

B31 0.6 - 0.75 m Light grey (5Y7/1-Moist); Mottles, 10YR58, 10-20% , 5-15mm, Distinct; Medium clay; Strong grade of structure; Rough-ped fabric; Moderately moist; Very firm consistence; Field pH 8 (Raupach); Gradual change to -

B32 0.75 - 0.9 m Light grey (5Y7/1-Moist); Mottles, 10YR58, 20-50% , 15-30mm, Distinct; , 10R36, 2-10% , 5-15mm, Prominent; Fine sandy medium clay; Strong grade of structure; Rough-ped fabric; Moderately moist; Strong consistence; Field pH 8.5 (Raupach);

Morphological Notes

B32 Tending to be drier than the other clay layers.

Observation Notes

Site Notes

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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	4.8B									
0.15 - 0.25	5.3B									
0.4 - 0.5	5.8B									
0.5 - 0.6	6.4B	100B	1.8A	5.9	0.22	2.8			10.72D	
	7.1H									

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											
0.15 - 0.25											
0.4 - 0.5											
0.5 - 0.6									43.5I		1.5
55											

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
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_NR_C	Clay (%) - Not recorded
P10_NR_S	Sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded