Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **1219** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By: Heather Percy
Date Desc.: 25/08/93
Map Ref.:
Northing/Long.: 6348150 AMG zone: 50
Easting/Lat.: 545080 Datum: AGD84
Locality:
Elevation: 299 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 plains <9m 1-3%
Pattern Type: Alluvial plain

Morph. Type: Flat
Elem. Type: Plain
Slope: 0 %
Relief: 5 metres
Slope Category: No Data
Aspect: No Data

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: Dy3.83
Great Soil Group: N/A

Site

Extensive clearing, for example poisoning, ringbarking

Vegetation:

Surface Coarse

No surface coarse fragments; No surface coarse fragments

Profile

A1 0 - 0.1 m Dark greyish brown (10YR4/2-Moist); , 0-0% ; Sand; Single grain grade of structure; Moist; Loose consistence; Field pH 6.5 (Raupach); Clear change to -

A21 0.1 - 0.3 m Greyish brown (10YR5/2-Moist); ; Sand; Single grain grade of structure; Moist; Loose consistence; Field pH 7.5 (Raupach); Clear change to -

A22e 0.3 - 0.35 m Pale brown (10YR6/3-Moist); ; Sand; Single grain grade of structure; Moist; Loose consistence; Field pH 8 (Raupach); Abrupt change to -

B1 0.35 - 0.55 m Light brownish grey (2.5Y6/2-Moist); Mottles, 10YR58, 10-20% , 5-15mm, Distinct; Sandy clay loam; Weak grade of structure, 10-20 mm, Polyhedral; Rough-ped fabric; Moderately moist; Very firm consistence; Field pH 8 (Raupach); Clear change to -

B21e 0.55 - 0.7 m Pale yellow (2.5Y7/3-Moist); Mottles, 10YR58, 2-10% , 5-15mm, Distinct; Light medium clay; Weak grade of structure; Rough-ped fabric; Moderately moist; Very firm consistence; Soil matrix is Moderately calcareous; Field pH 9 (Raupach); Abrupt change to -

B22k 0.7 - 0.75 m Pale yellow (2.5Y7/3-Moist); Mottles, 10YR58, 10-20% , 5-15mm, Distinct; Light medium clay; Massive grade of structure; Moist; Very firm consistence; Many (20 - 50 %), Calcareous, Coarse (6 - 20 mm), Concretions; Soil matrix is Highly calcareous; Field pH 9.5 (Raupach);

Morphological Notes

B1 Very slight dispersion
B22k Water entered in this layer

Observation Notes

Site Notes

Site along the Dongolocking Road - 200 m west of Lake

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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	4.9B									
0.15 - 0.25	6.3B									
0.35 - 0.55	7.2B 8H	115B	1.42E	3.22	0.73	3.93		11B	9.3D	35.73
0.35 - 0.55	7.2B 8H	115B	1.42E	3.22	0.73	3.93		11B	9.3D	35.73
0.35 - 0.55	7.2B 8H	115B	1.42E	3.22	0.73	3.93		11B	9.3D	35.73
0.4 - 0.5	7.2B									

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											
0.35 - 0.55	<2C								58.5I		5
36.5											
0.35 - 0.55	<2C								58.5I		5
36.5											
0.35 - 0.55	<2C								58.5I		5
36.5											
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
15C1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_CEC	CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_K	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_MG	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_NA	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, 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
19B_NR	Calcium Carbonate (CaCO3) - Not recorded
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