Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **1592** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By: Heather Percy
Date Desc.: 17/05/94
Map Ref.:
Northing/Long.: 6295540 AMG zone: 50
Easting/Lat.: 492490 Datum: AGD84
Locality:
Elevation: 230 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 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: Dy5.42
Great Soil Group: N/A

Site No effective disturbance. Natural

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

A1 0 - 0.07 m Dark grey (10YR4/1-Moist); , 0-0% ; Coarse sand; Single grain grade of structure; Moist; Loose consistence; Field pH 5.5 (Raupach); Common, very fine (0-1mm) roots; Abrupt change to -

A2e 0.07 - 0.3 m Light brownish grey (10YR6/2-Moist); ; Coarse sand; Massive grade of structure; Dry; Very weak consistence; Field pH 6 (Raupach); Common, very fine (0-1mm) roots; Gradual change to -

A3e 0.3 - 0.55 m Pale brown (10YR6/3-Moist); , 0-0% ; Clayey coarse sand; Massive grade of structure; Dry; Weak consistence; Field pH 5 (Raupach); Common, very fine (0-1mm) roots; Clear change to -

B21 0.55 - 0.75 m Brown (10YR5/3-Moist); Mottles, 7.5YR56, 2-10% , 5-15mm, Distinct; Sandy light clay; Moderate grade of structure, Columnar; Rough-ped fabric; Dry; Field pH 5 (Raupach); Few, very fine (0-1mm) roots; Clear change to -

B22 0.75 - 0.9 m Light brownish grey (10YR6/2-Moist); Mottles, 10YR56, 2-10% , 0-5mm, Faint; Sandy light clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Field pH 4.5 (Raupach); Few, very fine (0-1mm) roots;

B3 0.9 - 1.25 m Light brownish grey (2.5Y6/2-Moist); Mottles, 10YR58, 20-50% , 15-30mm, Distinct; Sandy light medium clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Gradual change to -

C 1.25 - 1.5 m Light brownish grey (2.5Y6/2-Moist); Mottles, 10-20% , 15-30mm, Faint; Light clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Field pH 6.5 (Raupach);

Morphological Notes

B21 Slight dispersion

Observation Notes

Site Notes

Site in nature reserve along Bokal East Road. Moist to 5cm. Saline land about 50m away.

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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	4.5B 5.2H	28B								
0.15 - 0.25	4.7B 5.4H	17B								
0.4 - 0.5	4.4B 5.1H	42B								
0.55 - 0.75	4.2B 4.7H	98B	0.88H	0.48	0.06	0.15	0.04J		1.57D	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	GV	Particle Size Analysis CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.1												
0.15 - 0.25												
0.4 - 0.5												
0.55 - 0.75									57.5I		10	32.5

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