

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0409 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 19/08/92	Elevation: 280 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6271670 AMG zone: 50	Runoff: No Data
Easting/Lat.: 584990 Datum: AGD84	Drainage: Poorly drained

Geology

ExposureType: Auger boring	Conf. Sub. is Parent. Mat.: No Data
Geol. Ref.: No Data	Substrate Material: No Data

Land Form

Rel/Slope Class: Level plain <9m <1%	Pattern Type: Alluvial plain
Morph. Type: Flat	Relief: 1 metres
Elem. Type: Plain	Slope Category: No Data
Slope: 0 %	Aspect: 45 degrees

Surface Soil Condition Saline, Hardsetting

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

Soil Classification

Australian Soil Classification: N/A	Mapping Unit: N/A
ASC Confidence: Confidence level not specified	Principal Profile Form: Dy3.43
	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 - 0.07 m	Very dark grey (10YR3/1-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Wet; Loose
A2e	0.07 - 0.15 m	Light brownish grey (10YR6/2-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Wet; Loose
B21tg	0.15 - 0.5 m	Grey (5Y6/1-Moist); Mottles, 10YR76, 2-10% , 0-5mm, Faint; Medium clay; Moderate grade of structure; (Raupach);
B22tg	0.5 - 0.9 m	Light grey (5Y7/1-Moist); Mottles, 10YR76, 10-20% , 5-15mm, Distinct; Sandy medium clay; Moderate grade of structure; (Raupach);
Cg	0.9 - 1.1 m	Light grey (5Y7/1-Moist); Mottles, 10YR68, 20-50% , 15-30mm, Distinct; Coarse sandy loam; Weak grade of structure; (Raupach);

Morphological Notes

B21tg	Very slight dispersion, sample ESP
B22tg	Very slight dispersion
Cg	Ground water entered in this layer.

Observation Notes

Site Notes

Shaw Road, Badgebup - Site drained by shallow drains <50 cm deep - water ponding and salinity moderate in depressions.

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.11	5.53B									
0.15 - 0.5	7.1B 8H	49B	4.99A	5.25	0.34	2.46			13.04D	
0.15 - 0.5	7.1B 8H	49B	4.99A	5.25	0.34	2.46			13.04D	
0.15 - 0.5	7.1B 8H	49B	4.99A	5.25	0.34	2.46			13.04D	
0.16 - 0.26	6.98B									
0.41 - 0.51	7.67B									

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	Clay %	mg/kg	%	%	%	Mg/m3	GV CS FS Silt
0 - 0.11								
0.15 - 0.5	<2C							
0.15 - 0.5	<2C							
0.15 - 0.5	<2C							
0.16 - 0.26								
0.41 - 0.51								

Laboratory Analyses Completed for this profile

15_NR_CMV	Exchangeable bases (Ca/Mg ratio) - Not recorded
15A1_CA for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15A1_CEC	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_K for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15A1_MG for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15A1_NA for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15J_BASES	Sum of Bases
15L1_a Sum of Cations	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using 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)