

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0438 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy
Date Desc.: 09/09/92
Map Ref.:
Northing/Long.: 6282610 AMG zone: 50
Easting/Lat.: 557380 Datum: AGD84
Locality:
Elevation: 298 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: Undulating low hills 30-90m 3-10% **Pattern Type:** Low hills

Morph. Type: Lower-slope
Elem. Type: Hillslope
Slope: 2 %
Relief: 50 metres
Slope Category: No Data
Aspect: 180 degrees

Surface Soil Condition Firm

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 Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

A1	0 - 0.12 m	Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Wet;
-		Loose consistence; Field pH 7 (Raupach); Common, fine (1-2mm) roots; Sharp change to -
A2e	0.12 - 0.45 m	Light yellowish brown (10YR6/4-Moist); , 0-0% ; Clayey coarse sand; Single grain grade of structure;
-		Wet; Loose consistence; Field pH 6 (Raupach); Common, very fine (0-1mm) roots; Abrupt change to -
B21t	0.45 - 0.55 m	Light yellowish brown (2.5Y6/4-Moist); Mottles, 10YR66, 20-50% , 0-5mm, Distinct; Sandy light medium
(Raupach);		clay; Moderate grade of structure; Rough-ped fabric; Wet; Firm consistence; Field pH 6
		Common, fine (1-2mm) roots; Clear change to -
B22t	0.55 - 1 m	Brownish yellow (10YR6/8-Moist); Mottles, 5YR56, 20-50% , 5-15mm, Distinct; Sandy medium clay;
(Raupach); Few,		Moderate grade of structure; Rough-ped fabric; Wet; Firm consistence; Field pH 7.5
		very fine (0-1mm) roots;

Morphological Notes

Observation Notes

Site Notes

Withers Road, salt affected land 50m downslope

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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	5.45B								
0.16 - 0.26	4.7B								
0.36 - 0.46	4.89B								
0.45 - 0.65	5.7B	64B	1.64H	2.99	<0.02	0.79	0.06J		5.43D
	6H		1.64H	2.99	<0.02	0.79	0.06J		5.43D
	5.7B								
	6H								
0.45 - 0.65	5.7B	64B	1.64H	2.99	<0.02	0.79	0.06J		5.43D
	6H		1.64H	2.99	<0.02	0.79	0.06J		5.43D
	5.7B								
	6H								
0.45 - 0.65	5.7B	64B	1.64H	2.99	<0.02	0.79	0.06J		5.43D
	6H		1.64H	2.99	<0.02	0.79	0.06J		5.43D
	5.7B								
	6H								
0.45 - 0.65	5.7B	64B	1.64H	2.99	<0.02	0.79	0.06J		5.43D
	6H		1.64H	2.99	<0.02	0.79	0.06J		5.43D
	5.7B								
	6H								

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis	GV	CS	FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m3				%	
0 - 0.11												
0.16 - 0.26												
0.36 - 0.46												
0.45 - 0.65												
0.45 - 0.65												
0.45 - 0.65												
0.45 - 0.65												

Laboratory Analyses Completed for this profile

15_NR_CM	Exchangeable bases (Ca/Mg ratio) - Not recorded
15E1_AL	Exchangeable Al - by compulsive exchange, no pretreatment for soluble salts
15E1_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,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 (Mn ²⁺) 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_gt2m	> 2mm particle size analysis, (method not recorded)