

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0358 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Jaki Hogstrom
Date Desc.: 29/07/92
Map Ref.:
Northing/Long.: 6255200 AMG zone: 50
Easting/Lat.: 543850 Datum: AGD84
Locality:
Elevation: 333 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: Mid-slope
Elem. Type: Hillslope
Slope: 5 %
Relief: 45 metres
Slope Category: No Data
Aspect: 135 degrees

Surface Soil Condition Hardsetting, Hardsetting

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

Soil Classification

Australian Soil Classification: N/A
Mapping Unit: N/A
Principal Profile Form: Dy3.41
ASC Confidence: Confidence level not specified
Great Soil Group: N/A

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

Vegetation:

Surface Coarse 10-20%, medium gravelly, 6-20mm, angular, Quartz; No surface coarse fragments

Profile

A1	0 - 0.1 m	Dark grey (10YR4/1-Moist); , 0-0% ; Sandy loam; Single grain grade of structure; Wet; Field pH 7
		(Raupach); Abundant, fine (1-2mm) roots; Abrupt, Smooth change to -
A21	0.1 - 0.17 m	Brown (10YR4/3-Moist); , 0-0% ; Sandy loam; Single grain grade of structure; Wet; Field pH 6
		(Raupach); Many, fine (1-2mm) roots; Abrupt change to -
A22e	0.17 - 0.2 m	Light brownish grey (10YR6/2-Moist); , 0-0% ; Sandy loam; Single grain grade of structure; Wet; Field
		pH 7 (Raupach); Many, fine (1-2mm) roots; Abrupt change to -
B2t	0.2 - 0.5 m	Grey (10YR6/1-Moist); Mottles, 2.5YR56, 20-50% , 5-15mm, Distinct; Medium clay; Strong grade of
		structure; Wet; Field pH 6 (Raupach); Common, fine (1-2mm) roots;

Morphological Notes

A1 2 earthworms
 B2t With medium sand. Sampled for % clay, ESP

Observation Notes

Site Notes

Flooded gum in drainage line 100m downslope. Kojonup-Broomehill Road

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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	4.98B									
0.11 - 0.21	5B									
0.2 - 0.5	5.1B	9B	2.36H	5.26	0.1	1.47	0.03J		9.19D	

0.2 - 0.5	6.4H 5.1B	9B	2.36H	5.26	0.1	1.47	0.03J	9.19D
0.41 - 0.51	6.4H 4.88B							

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV CS FS Silt
0 - 0.11								
0.11 - 0.21								
0.2 - 0.5								
0.2 - 0.5								
0.41 - 0.51								

Laboratory Analyses Completed for this profile

15_NR_CMV	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_gt2m	> 2mm particle size analysis, (method not recorded)