

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 1414 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy
Date Desc.: 07/10/93
Map Ref.:
Northing/Long.: 6310410 AMG zone: 50
Easting/Lat.: 569520 Datum: AGD84
Locality:
Elevation: 288 metres
Rainfall: No Data
Runoff: No Data
Drainage: Well 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 rises 9-30m 1-3% **Pattern Type:** Rises

Morph. Type: Mid-slope
Elem. Type: Hillslope
Slope: 2 %
Relief: 20 metres
Slope Category: No Data
Aspect: 0 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: Dy3.82
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 No surface coarse fragments; No surface coarse fragments

Profile

A1 0 - 0.12 m Greyish brown (10YR5/2-Moist); , 0-0% ; Coarse sand; Single grain grade of structure; Dry; Field pH 6
 (Raupach); Abundant, fine (1-2mm) roots; Clear change to -
 A2e 0.12 - 0.45 m Pale brown (10YR6/3-Moist); , 0-0% ; Clayey coarse sand; Single grain grade of structure; Dry; Field
 pH 6.5 (Raupach); Common, fine (1-2mm) roots; Abrupt change to -
 B2 0.45 - 0.6 m Yellowish brown (10YR5/6-Moist); Mottles, 2.5YR46, 20-50% , 5-15mm, Distinct; Clay loam, sandy;
 Massive grade of structure; Dry; Field pH 7 (Raupach); Few, very fine (0-1mm) roots;

Morphological Notes

Observation Notes

Site Notes

Site along Rifle Range Road - possibly part of lunette system east of Lake Dumbleyung

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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 - 0.1	4.9B									
0.15 - 0.25	4.6B									
0.35 - 0.45	4.7B									
0.45 - 0.6	5.5B	3B	1.24H	1.6	0.23	0.1	0.03J		3.17D	
	6.3H									
0.45 - 0.6	5.5B	3B	1.24H	1.6	0.23	0.1	0.03J		3.17D	
	6.3H									

Depth	CaCO ₃	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	%	mg/kg	%	%	%	Mg/m ³	GV CS FS Silt
0 - 0.1								
0.15 - 0.25								
0.35 - 0.45								
0.45 - 0.6								74.5l 3
22.5								
0.45 - 0.6								74.5l 3
22.5								

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMRR	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)
P10_NR_C	Clay (%) - Not recorded
P10_NR_S	Sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded