

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0374 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 04/08/92	Elevation: 350 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6248360 AMG zone: 50	Runoff: No Data
Easting/Lat.: 526620 Datum: AGD84	Drainage: Imperfectly 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: Undulating low hills 30-90m 3-10% **Pattern Type:** Low hills

Morph. Type: Mid-slope	Relief: 35 metres
Elem. Type: Hillslope	Slope Category: No Data
Slope: 3 %	Aspect: 0 degrees

Surface Soil Condition Hardsetting, 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: Dy3.41
	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 - 0.15 m	Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Moist;
		Loose consistence; Field pH 5.5 (Raupach); Few, very fine (0-1mm) roots; Abrupt, Smooth change to -
A21	0.15 - 0.3 m	Greyish brown (10YR5/2-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Wet; Loose
		consistence; 10-20%, medium gravelly, 6-20mm, rounded, , coarse fragments; Field pH 5 (Raupach); Common, fine (1-2mm) roots; Abrupt change to -
A22e	0.3 - 0.4 m	Pale brown (10YR6/3-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Wet; Loose
		consistence; 10-20%, medium gravelly, 6-20mm, rounded, , coarse fragments; Field pH 6 (Raupach); Common, fine (1-2mm) roots; Clear change to -
B21	0.4 - 0.8 m	Greyish brown (2.5Y5/2-Moist); Mottles, 10YR78, 20-50% , 5-15mm, Distinct; Mottles, 10R46, 10-20% ,
		0-5mm, Distinct; Medium clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Firm
B22	0.8 - 1 m	Light brownish grey (2.5Y6/2-Moist); Mottles, 10R48, 20-50% , 5-15mm, Distinct; Mottles, 10YR68, 10-
		20% , 5-15mm, Distinct; Light medium clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Firm consistence; Field pH 6 (Raupach);

Morphological Notes

A22e	Water entered in this layer
B21	Very slight dispersion. Sample ESP

Observation Notes

Site Notes

Dolerite dyke upslope-'red dam' wall on western side of Potts Road

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Observation 1

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	4.32B									
0.16 - 0.26	3.96B									
0.4 - 0.8	4.9B	10B	0.08H	4.98	0.01	1.22	0.04J		6.29D	
	5.9H									
0.4 - 0.8	4.9B	10B	0.08H	4.98	0.01	1.22	0.04J		6.29D	
	5.9H									
0.41 - 0.51	4.47B									

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.11											
0.16 - 0.26											
0.4 - 0.8											
0.4 - 0.8											
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 (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)