

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0317 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 15/07/92	Elevation: 328 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6273320 AMG zone: 50	Runoff: No Data
Easting/Lat.: 543300 Datum: AGD84	Drainage: Moderately well 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: 40 metres
Elem. Type: Hillslope	Slope Category: No Data
Slope: 4 %	Aspect: 270 degrees

Surface Soil Condition Firm

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: Dy5.41
	Great Soil Group: N/A

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

Vegetation:

Surface Coarse 20-50%, medium gravelly, 6-20mm, rounded, ; No surface coarse fragments

Profile

A1 Loose (Raupach);	0 - 0.1 m	Dark brown (10YR3/3-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Moist; consistence; 20-50%, medium gravelly, 6-20mm, rounded, , coarse fragments; Field pH 6 Common, fine (1-2mm) roots; Abrupt, Smooth change to -
A2e Moderately moist; Field pH 6	0.1 - 0.45 m	Brownish yellow (10YR6/6-Moist); , 0-0% ; Sand; Single grain grade of structure; Loose consistence; 50-90%, medium gravelly, 6-20mm, rounded, , coarse fragments; (Raupach); Common, fine (1-2mm) roots; Abrupt change to -
B21t clay; Moderate Common, very fine	0.45 - 0.6 m	Brownish yellow (10YR6/6-Moist); Mottles, 10YR48, 20-50% , 5-15mm, Distinct; Medium grade of structure; Rough-ped fabric; Wet; Firm consistence; Field pH 6 (Raupach); (0-1mm) roots;
B22t Moderate grade of fine (1-2mm)	0.6 - 0.8 m	Pale yellow (2.5Y7/3-Moist); Mottles, 10R48, 20-50% , 5-15mm, Distinct; Heavy clay; structure; Rough-ped fabric; Moist; Very firm consistence; Field pH 5.5 (Raupach); Few, roots;
C 10-20% , 5- gravelly, 2-6mm,	0.8 - m	Pale yellow (2.5Y7/4-Moist); Mottles, 10YR78, 10-20% , 0-5mm, Faint; Mottles, 10YR48, 15mm, Distinct; Coarse sandy light clay; Massive grade of structure; Dry; 20-50%, fine angular, Granite, coarse fragments; Field pH 5.5 (Raupach);

Morphological Notes

B21t	Sampled for ESP. Water moved into this layer - not held above it
C	Weathered granite or gneiss

Observation Notes

Site Notes

House 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	5.04B									
0.16 - 0.26	5.09B									
0.36 - 0.46	5.01B									
0.45 - 0.6	4.6B	4B	1.2H	6.18	0.09	1.26	<0.02J		8.73D	
	5.9H									
0.45 - 0.6	4.6B	4B	1.2H	6.18	0.09	1.26	<0.02J		8.73D	
	5.9H									

Depth	CaCO ₃	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m ³			%	
0 - 0.11											
0.16 - 0.26											
0.36 - 0.46											
0.45 - 0.6									55I		4
41											
0.45 - 0.6									55I		4
41											

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