

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0331 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 17/07/92	Elevation: 315 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6280560 AMG zone: 50	Runoff: No Data
Easting/Lat.: 546860 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: 60 metres
Elem. Type: Hillslope	Slope Category: No Data
Slope: 4 %	Aspect: 0 degrees

Surface Soil Condition Soft

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: Dy5.21
	Great Soil Group: N/A

Site No effective disturbance. Natural

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

A1 0 - 0.1 m	Brown (7.5YR4/2-Moist); , 0-0% ; Clayey coarse sand; Single grain grade of structure; Wet; Loose
	consistence; Field pH 5.5 (Raupach); Common, fine (1-2mm) roots; Abrupt, Smooth change to -
A2 0.1 - 0.2 m	Brown (7.5YR5/4-Moist); , 0-0% ; Clayey coarse sand; Single grain grade of structure; Wet; Loose
	consistence; 10-20%, medium gravelly, 6-20mm, angular, Granite, coarse fragments; Field pH 6
	(Raupach); Common, fine (1-2mm) roots; Abrupt change to -
B21t 0.2 - 0.45 m	Light yellowish brown (10YR6/4-Moist); Mottles, 5YR56, 20-50% , 5-15mm, Distinct; Mottles, 5YR71,
	20-50% , 5-15mm, Distinct; Medium clay; Strong grade of structure; Rough-ped fabric; Moderately
	moist; Firm consistence; Field pH 5.5 (Raupach); Common, fine (1-2mm) roots; Gradual change to -
B22t 0.45 - 0.6 m	Light brownish grey (10YR6/2-Moist); Mottles, 5YR58, 20-50% , 5-15mm, Distinct; Light medium clay;
	Moderate grade of structure; Rough-ped fabric; Moderately moist; Weak consistence; Field pH 5.5
	(Raupach); Few, coarse (>5mm) roots; Clear change to -
C 0.6 - 0.7 m	Grey (10YR6/1-Moist); Mottles, 5YR58, 20-50% , 5-15mm, Distinct; Light clay; Massive grade of
	structure; Dry; Very firm consistence; 10-20%, fine gravelly, 2-6mm, angular, Granite, coarse fragments;
	Field pH 4.5 (Raupach);

Morphological Notes

A2	Water perched in this layer on top of clay
B21t	Sampled ESP, % clay
B22t	Coarse sand in the loamy medium clay
C	Weathered granite

Observation Notes

Site Notes

Cropping on other side of Trimmer Rd (lupins) and grazing (cattle)

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Observation 1

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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	4.69B									
0.11 - 0.21	4.76B									
0.2 - 0.45	4.5B	5B								
	5.9H									
0.2 - 0.45	4.5B	5B								
	5.9H									
0.36 - 0.46	4.41B									

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											
0.11 - 0.21											
0.2 - 0.45									47l		10
43											
0.2 - 0.45									47l		10
43											
0.36 - 0.46											

Laboratory Analyses Completed for this profile

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