

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0108 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 14/11/91	Elevation: 321 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6261250 AMG zone: 50	Runoff: No Data
Easting/Lat.: 556620 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: Crest	Relief: 30 metres
Elem. Type: Hillcrest	Slope Category: No Data
Slope: 1 %	Aspect: 180 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 Complete clearing. Pasture, native or improved, but never cultivated

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

A1	0 - 0.07 m	Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Clayey sand; Single grain grade of structure;
		Moderately moist; 2-10%, Quartz, coarse fragments; Water repellent; Field pH 6 (Raupach); Many, fine (1-2mm) roots; Abrupt change to -
A2	0.07 - 0.16 m	Dark greyish brown (10YR4/2-Moist); , 0-0% ; Clayey sand; Dry; 10-20%, Quartz, coarse fragments;
		Field pH 5.5 (Raupach); Many, fine (1-2mm) roots; Abrupt change to -
B21	0.16 - 0.5 m	Yellowish brown (10YR5/6-Moist); , 2.5Y54, 10-20% , 0-5mm, Faint; Medium heavy clay; Strong grade of
		structure, 20-50 mm, Polyhedral; Smooth-ped fabric; Dry; Field pH 5 (Raupach); Many, fine (1-2mm) roots; Clear change to -
B22	0.5 - 0.6 m	Strong brown (7.5YR5/6-Moist); Mottles, 7.5YR78, 10-20% , 5-15mm, Distinct; Medium heavy clay;
		Moderate grade of structure, 20-50 mm, Polyhedral; Smooth-ped fabric; Dry; Field pH 5 (Raupach);
		Common, fine (1-2mm) roots; Gradual change to -
B23	0.6 - 0.85 m	Strong brown (7.5YR4/6-Moist); Mottles, 10YR42, 10-20% , 5-15mm, Faint; Sandy light medium clay;
		Weak grade of structure; Rough-ped fabric; Dry; Field pH 5.5 (Raupach); Gradual change to -
B3	0.85 - 1 m	Yellowish red (5YR5/6-Moist); Mottles, 10YR53, 10-20% , 5-15mm, Faint; Medium clay; Weak grade of
		structure; Rough-ped fabric; Dry; Field pH 5 (Raupach);

Morphological Notes

A1	F A QZ R GC
A2	F A QZ & M R GC
B21	SAMPLED

Observation Notes

Site Notes

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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				%
0.16 - 0.5	4.9B 6.1H	5B	0.35H	2.98	0.04	0.53	0.04J		3.9D	
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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			%	
0.16 - 0.5 35.5									59I		5.5
0.16 - 0.5 35.5									59I		5.5

Laboratory Analyses Completed for this profile

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