

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0056 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 17/10/91	Elevation: 308 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6255000 AMG zone: 50	Runoff: No Data
Easting/Lat.: 587040 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: Gently undulating rises 9-30m 1-3% **Pattern Type:** Rises

Morph. Type: Mid-slope	Relief: 100 metres
Elem. Type: Hillslope	Slope Category: No Data
Slope: 2 %	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 Cultivation. Rainfed

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

A1	0 - 0.15 m	Very dark grey (10YR3/1-Moist); , 0-0% ; Clayey sand; Massive grade of structure; Sandy (grains
		prominent) fabric; Dry; Water repellent; Field pH 5.5 (Raupach); Common, very fine (0-1mm) roots; Clear
		change to -
A2e	0.15 - 0.2 m	Pale brown (10YR6/3-Moist); , 0-0% ; Clayey sand; Massive grade of structure; Sandy (grains
		prominent) fabric; Dry; Field pH 6 (Raupach); Common, fine (1-2mm) roots; Clear change to -
B21	0.2 - 0.35 m	Yellow (10YR7/6-Moist); Mottles, 10R46, 10-20% , 5-15mm, Prominent; Medium clay; Strong grade of
		structure; Rough-ped fabric; Moderately moist; Field pH 5 (Raupach); Common, medium (2-5mm) roots;
		Clear change to -
B22	0.35 - 0.8 m	Very pale brown (10YR8/3-Moist); Mottles, 10YR46, 20-50% , 15-30mm, Prominent; Medium heavy clay;
		Strong grade of structure; Rough-ped fabric; Dry; Field pH 5 (Raupach);
B23	0.8 - 1 m	Very pale brown (10YR8/3-Moist); Mottles, 2.5YR58, 10-20% , 5-15mm, Distinct; Medium clay; Strong
		grade of structure; Smooth-ped fabric; Dry; Field pH 4.5 (Raupach);

Morphological Notes

B21 SAMPLED TOPSOIL MIXED
B22 +S

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity		%
0.2 - 0.35	4.4B 5.4H	6B	1.23H	3.08	0.04	0.31	0.54J	4.66D	
0.2 - 0.35	4.4B 5.4H	6B	1.23H	3.08	0.04	0.31	0.54J	4.66D	

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV CS FS Silt
0.2 - 0.35								47I 3
50								
0.2 - 0.35								47I 3
50								

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 (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