

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0049 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 11/10/91	Elevation: 326 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6257220 AMG zone: 50	Runoff: No Data
Easting/Lat.: 592540 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: Gently undulating rises 9-30m 1-3% **Pattern Type:** Rises

Morph. Type: Lower-slope	Relief: 20 metres
Elem. Type: Hillslope	Slope Category: No Data
Slope: 1 %	Aspect: 315 degrees

Surface Soil Condition Cryptogam surface

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 No effective disturbance. Natural

Vegetation:

Surface Coarse 2-10%, medium gravelly, 6-20mm, angular, Quartz; No surface coarse fragments

Profile

A1 0 - 0.05 m structure; Sandy 5mm) roots;	Pale brown (10YR6/3-Moist); , 0-0% ; Clayey coarse sand; Single grain grade of (grains prominent) fabric; Dry; Water repellent; Field pH 5 (Raupach); Many, medium (2- Abrupt change to -
A2e 0.05 - 0.06 m structure; Sandy (2-5mm) roots;	Very pale brown (10YR7/3-Moist); , 0-0% ; Loamy coarse sand; Single grain grade of (grains prominent) fabric; Dry; Water repellent; Field pH 5.5 (Raupach); Many, medium Abrupt change to -
B21 0.06 - 0.4 m Medium clay; 5mm) roots;	Light brownish grey (2.5Y6/3-Moist); Mottles, 10YR46, 20-50% , 5-15mm, Prominent; Strong grade of structure; Smooth-ped fabric; Dry; Field pH 5 (Raupach); Many, coarse (> Clear change to -
B22 0.4 - 0.75 m medium clay; coarse fragments;	Pale brown (10YR6/3-Moist); Mottles, 7.5YR66, 10-20% , 5-15mm, Distinct; Sandy Moderate grade of structure; Rough-ped fabric; Moderately moist; 20-50%, Quartz, Field pH 4.5 (Raupach); Common, coarse (>5mm) roots; Clear change to -
B23 0.75 - 1 m medium clay; coarse fragments;	Very pale brown (10YR7/3-Moist); Mottles, 2.5YR58, 10-20% , 5-15mm, Distinct; Light Moderate grade of structure; Smooth-ped fabric; Moderately moist; 20-50%, Quartz, Field pH 4.5 (Raupach); Gradual change to -
B3 1 - 1.45 m Weak grade of	Pale brown (10YR6/3-Moist); Mottles, 2.5YR48, 20-50% , 5-15mm, Distinct; Light clay; structure; Smooth-ped fabric; Dry; 20-50%, Quartz, coarse fragments;

Morphological Notes

B21	SAMPLED.+KS
B22	GRAVEL F,M A
B23	GRAVEL F A
B3	GRAVEL F M A +S

Observation Notes

Site Notes

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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				%
0.06 - 0.4	4.3B 5.7H	15B	0.24H	7.63	0.04	2.53	0.93J		10.44D	
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Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis		
		Clay						GV	CS	FS
m	%	%	mg/kg	%	%	%	Mg/m3			%
0.06 - 0.44									51.5I	4.5
0.06 - 0.44									51.5I	4.5

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