

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0337 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 21/07/92	Elevation: 362 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6261480 AMG zone: 50	Runoff: No Data
Easting/Lat.: 538860 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: Upper-slope	Relief: 65 metres
Elem. Type: Summit surface	Slope Category: No Data
Slope: 2 %	Aspect: 45 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: Dy3.21
	Great Soil Group: N/A

Site Complete clearing. Pasture, native or improved, but never cultivated

Vegetation:

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

Profile

A1	0 - 0.05 m	Dark brown (7.5YR3/2-Moist); , 0-0% ; Sandy loam; Single grain grade of structure; Moist; Field pH 6
		(Raupach); Common, fine (1-2mm) roots; Abrupt change to -
A2	0.05 - 0.1 m	Brown (10YR4/3-Moist); , 0-0% ; Sandy loam; Single grain grade of structure; Moist; 10-20%, medium
		gravelly, 6-20mm, rounded, , coarse fragments; Field pH 6 (Raupach); Common, very fine (0-1mm) roots;
		Abrupt change to -
B21t	0.1 - 0.15 m	Yellowish brown (10YR5/4-Moist); Mottles, 5YR58, 20-50% , 5-15mm, Distinct; Sandy light clay;
		Moderate grade of structure; Moist; Field pH 6 (Raupach); Few, very fine (0-1mm) roots;
		Abrupt change to -
B22t	0.15 - 0.4 m	Brownish yellow (10YR6/6-Moist); Mottles, 2.5YR58, 20-50% , 0-5mm, Faint; Mottles, 7.5YR68, 20-50%
		, 0-5mm, Faint; Light medium clay; Moderate grade of structure; Moderately moist; Field pH 6
		(Raupach); Few, very fine (0-1mm) roots;
B3	0.4 - 0.65 m	Yellow (10YR7/6-Moist); Mottles, 7.5YR68, 20-50% , 0-5mm, Distinct; , 2.5YR58, 20-50%
		, 0-5mm,
		Distinct; Clay loam; Massive grade of structure; Moderately moist; Field pH 6 (Raupach);
C	0.65 - 0.8 m	Pale yellow (2.5Y8/4-Moist); Mottles, 7.5YR68, 20-50% , 0-5mm, Distinct; Mottles, 2.5YR58, 20-50% , 0-
		5mm, Distinct; Coarse sand; Massive grade of structure; Dry; Field pH 6 (Raupach);

Morphological Notes

A2	% clay
B21t	% clay
C	Weathered granite

Observation Notes

Site Notes

Punchmirup Rd

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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	4.93B									
	4.93B									
0 - 0.11	4.93B									
	4.93B									
0.05 - 0.1	5.1B	6B								
	6H									
0.05 - 0.1	5.1B	6B								
	6H									
0.1 - 0.15	4.7B	4B	2.82H	2.28	0.16	0.21	0.16J		5.47D	
	5.8H									
0.1 - 0.15	4.7B	4B	2.82H	2.28	0.16	0.21	0.16J		5.47D	
	5.8H									
0.16 - 0.26	4.71B									
0.41 - 0.51	5.33B									

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 - 0.11								
0 - 0.11								
0.05 - 0.1								74I 11.5
14.5								
0.05 - 0.1								74I 11.5
14.5								
0.1 - 0.15								
0.1 - 0.15								
0.16 - 0.26								
0.41 - 0.51								

Laboratory Analyses Completed for this profile

15_NR_CMV	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