Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **0451** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By:	Heather Percy	**Locality:**	
Date Desc.:	14/09/92	**Elevation:**	315 metres
Map Ref.:		**Rainfall:**	No Data
Northing/Long.:	6244470 AMG zone: 50	**Runoff:**	No Data
Easting/Lat.:	564990 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 rises 9-30m 3-10%	**Pattern Type:**	Rises
Morph. Type:	Mid-slope	**Relief:**	30 metres
Elem. Type:	Hillslope	**Slope Category:**	No Data
Slope:	4 %	**Aspect:**	0 degrees

Surface Soil Condition Hardsetting, Hardsetting

Erosion: (wind); (sheet) (rill) (gully)

Soil Classification

Australian Soil Classification: N/A
ASC Confidence: Confidence level not specified

Mapping Unit: N/A
Principal Profile Form: Dy3.23
Great Soil Group: N/A

Site Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

A1 0 - 0.12 m Dark brown (7.5YR3/2-Moist); , 0-0% ; Sandy clay loam; Moderate grade of structure, 2-5 mm, Granular; Rough-ped fabric; Moist; 10-20%, medium gravelly, 6-20mm, subangular, Granite, coarse fragments; Field pH 6 (Raupach); Abundant, fine (1-2mm) roots; Abrupt change to -

A2 0.12 - 0.2 m Dark reddish brown (5YR3/3-Moist); , 0-0% ; Sandy clay loam; Moderate grade of structure, 2-5 mm, Granular; Rough-ped fabric; Moist; 10-20%, medium gravelly, 6-20mm, subangular, Granite, coarse fragments; Field pH 6.5 (Raupach); Many, fine (1-2mm) roots; Abrupt change to -

B21 0.2 - 0.55 m Grey (10YR6/1-Moist); Mottles, 5YR46, 20-50% , 0-5mm, Distinct; Medium clay; Strong grade of structure; Rough-ped fabric; Moderately moist; Field pH 7 (Raupach); Common, fine (1-2mm) roots; Gradual change to -

B22k 0.55 - 0.7 m Grey (10YR5/1-Moist); Mottles, 5YR46, 20-50% , 0-5mm, Faint; Light medium clay; Strong grade of structure; Rough-ped fabric; Moderately moist; Common (10 - 20 %), Calcareous, Medium (2 -6 mm), Concretions; Soil matrix is Slightly calcareous; Field pH 8.5 (Raupach); Common, fine (1-2mm) roots; Clear change to -

B3 0.7 - 0.85 m Grey (10YR5/1-Moist); Mottles, 5YR46, 20-50% , 0-5mm, Faint; Light medium clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; 50-90%, medium gravelly, 6-20mm, subangular, Granite, coarse fragments; Field pH 8.5 (Raupach); Few, fine (1-2mm) roots;

Morphological Notes

A1 Earthworms
B3 Pockets of weathered granite

Observation Notes

Site Notes

Jam Creek Road - similar to pit on Peringillup East Rd. Similar to Jam Creek soil pit no 4 (site 458)

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations Ca	Mg	K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.11	5.06B									
0.13 - 0.21	5.3B									
0.2 - 0.55	5.6B 6.6H	13B	13.72A	8.5	0.23	1.89			24.34D	
0.2 - 0.55	5.6B 6.6H	13B	13.72A	8.5	0.23	1.89			24.34D	
0.41 - 0.51	5.42B									

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis GV	CS	FS	Silt
		Clay									
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.11											
0.13 - 0.21											
0.2 - 0.55											
0.2 - 0.55											
0.41 - 0.51											

Laboratory Analyses Completed for this profile

15_NR_CMR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15A1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_CEC	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_K	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_MG	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_NA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15J_BASES	Sum of Bases
15L1_a	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using Sum of Cations and measured clay
15N1_a	Exchangeable sodium percentage (ESP) - Auto calculated from available using CEC
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)