Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **2249** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By:	Heather Percy	**Locality:**	
Date Desc.:	25/10/94	**Elevation:**	300 metres
Map Ref.:		**Rainfall:**	No Data
Northing/Long.:	6243540 AMG zone: 50	**Runoff:**	No Data
Easting/Lat.:	499280 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:**	20 metres
Elem. Type:	Hillslope	**Slope Category:**	No Data
Slope:	4 %	**Aspect:**	270 degrees

Surface Soil Condition Hardsetting, Hardsetting

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

Soil Classification

Australian Soil Classification:
Mesotrophic Subnatric Yellow Sodosol

ASC Confidence:
Confidence level not specified

Mapping Unit: N/A
Principal Profile Form: Dy2.52
Great Soil Group: N/A

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

Vegetation:

Surface Coarse No surface coarse fragments; 0-2%, , subangular, Granite

Profile

A11 0 - 0.05 m Very dark grey (10YR3/1-Moist); , 0-0% ; Sandy loam; Moderate grade of structure, 2-5 mm, Granular; Rough-ped fabric; Dry; Field pH 6 (Raupach); Abrupt change to -

A12 0.05 - 0.2 m Dark greyish brown (10YR4/2-Moist); , 0-0% ; Sandy loam; Single grain grade of structure; Dry; Field pH 6 (Raupach); Abrupt change to -

A3 0.2 - 0.3 m Brown (10YR5/3-Moist); , 0-0% ; Sandy clay loam; Massive grade of structure; Dry; Field pH 6 (Raupach);

B2 0.3 - 0.45 m Olive yellow (2.5Y6/6-Moist); , 0-0% ; Light medium clay; Massive grade of structure; Dry; Field pH 6 (Raupach); Clear change to -

B3 0.45 - 0.6 m Brownish yellow (10YR6/8-Moist); ; Clay loam; Weak grade of structure; Rough-ped fabric; Dry; Field pH 7 (Raupach);

Morphological Notes

B3 Contains weathered granite.

Observation Notes

Site Notes

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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				%
0.3 - 0.45	5.2B 6.1H	3B	1H	1.6	0.12	0.17	0.03J		2.89D	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	GV	Particle CS	Size FS	Analysis Silt
		Clay									
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0.3 - 0.45									45I		9.5
45.5											

Laboratory Analyses Completed for this profile

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