Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **1666** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By:	Heather Percy	**Locality:**	
Date Desc.:	31/05/94	**Elevation:**	270 metres
Map Ref.:		**Rainfall:**	No Data
Northing/Long.:	6320950 AMG zone: 50	**Runoff:**	No Data
Easting/Lat.:	498570 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:**	10 metres
Elem. Type:	Hillslope	**Slope Category:**	No Data
Slope:	1 %	**Aspect:**	180 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: Dy3.42
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 - 0.08 m Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Sand; Massive grade of structure; Moist; Field pH 6 (Raupach); Abrupt change to -

A21 0.08 - 0.2 m Yellowish brown (10YR5/4-Moist); , 0-0% ; Sand; Massive grade of structure; Moist; 10-20%, medium gravelly, 6-20mm, rounded, , coarse fragments; Field pH 6 (Raupach); Clear change to -

A22e 0.2 - 0.35 m Pale brown (10YR6/3-Moist); , 0-0% ; Coarse sand; Massive grade of structure; Moist; 10-20%, medium gravelly, 6-20mm, rounded, , coarse fragments; Field pH 6.5 (Raupach); Abrupt change to -

B21 0.35 - 0.7 m Yellowish brown (10YR5/8-Moist); Mottles, 10YR72, 10-20% , 5-15mm, Distinct; Moderate grade of structure; Rough-ped fabric; Moderately moist; Field pH 7.5 (Raupach); Clear change to -

B22 0.7 - 0.85 m Light grey (10YR7/2-Moist); Mottles, 10YR58, 10-20% , 5-15mm, Distinct; Light medium clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Field pH 7.5 (Raupach);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity			
m		dS/m	Cmol (+)/kg							%
0 - 0.1	4.6B									

0.1 - 0.2	4.8B									
0.35 - 0.55	6.1B	9B	1.1A	0.56	0.1	0.07			1.83D	
	7H									
0.4 - 0.5	6.1B									

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 - 0.1											
0.1 - 0.2											
0.35 - 0.55									53.5I		6.5
40											
0.4 - 0.5											

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
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_NR_C	Clay (%) - Not recorded
P10_NR_S	Sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded