Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **1228** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By:	Heather Percy	**Locality:**	
Date Desc.:	26/08/93	**Elevation:**	330 metres
Map Ref.:		**Rainfall:**	No Data
Northing/Long.:	6348560 AMG zone: 50	**Runoff:**	No Data
Easting/Lat.:	556760 Datum: AGD84	**Drainage:**	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: Gently undulating rises 9-30m 1-3% **Pattern Type:** Rises

Morph. Type:	Mid-slope	**Relief:**	20 metres
Elem. Type:	Hillslope	**Slope Category:**	No Data
Slope:	2 %	**Aspect:**	90 degrees

Surface Soil Condition Hardsetting, Hardsetting

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

Soil Classification

Australian Soil Classification: **Mapping Unit:** N/A
Basic Petroferric Sequi-Nodular Tenosol **Principal Profile Form:** Uc4.11
ASC Confidence: **Great Soil Group:** N/A
All necessary analytical data are available.

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

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

A1p 0 - 0.1 m Brown (10YR5/3-Moist); , 0-0% ; Sand; Single grain grade of structure; Moderately moist; Field pH 5.5 (Raupach); Clear, Wavy change to -

A21 0.1 - 0.2 m Light yellowish brown (2.5Y6/4-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Moist; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 6 (Raupach); Clear change to -

A22c 0.2 - 0.55 m Light yellowish brown (10YR6/4-Moist); , 0-0% ; Massive grade of structure; Moist; 20-50%, fine gravelly, 2-6mm, rounded, , coarse fragments; 20-50%, medium gravelly, 6-20mm, rounded, , coarse fragments; Field pH 7 (Raupach); Clear change to -

B2w 0.55 - 0.7 m Brown (7.5YR5/4-Moist); Mottles, 2.5YR44, 2-10% , 5-15mm, Distinct; Sandy loam; Massive grade of structure; Moderately moist; 20-50%, fine gravelly, 2-6mm, rounded, , coarse fragments; 20-50%, medium gravelly, 6-20mm, rounded, , coarse fragments; Field pH 7 (Raupach);

Morphological Notes

A22c Clayey medium sand
B2w Gradually increasing to -MSCL over depth examined

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	4.4B										
0.1 - 0.2	4.5B										
0.4 - 0.5	5.5B										
0.55 - 0.7	5.5B	5B	0.71A	2.27	0.08	0.53				3.59D	
	6.5H										
0.55 - 0.7	5.5B	5B	0.71A	2.27	0.08	0.53				3.59D	
	6.5H										

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											
0.4 - 0.5											
0.55 - 0.7									72I		3.5
24.5											
0.55 - 0.7									72I		3.5
24.5											

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
4B_AL_NR	Aluminium in 1:5 soil/0.01M calcium chloride extract - method 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