Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **0104** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By:	Heather Percy	**Locality:**	
Date Desc.:	14/11/91	**Elevation:**	293 metres
Map Ref.:		**Rainfall:**	No Data
Northing/Long.:	6267130 AMG zone: 50	**Runoff:**	No Data
Easting/Lat.:	556300 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:	Level plain <9m <1%	**Pattern Type:**	Alluvial plain
Morph. Type:	Flat	**Relief:**	2 metres
Elem. Type:	Valley flat	**Slope Category:**	No Data
Slope:	0 %	**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: Dy2.42
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 - 0.1 m Very dark brown (10YR2/2-Moist); , 0-0% ; Clayey sand; Moderately moist; Field pH 5.5 (Raupach); Many, fine (1-2mm) roots; Abrupt change to -

A2e 0.1 - 0.27 m Yellowish brown (10YR5/4-Moist); , 0-0% ; Sandy loam; Single grain grade of structure; Moderately moist; 0-2%, Quartz, coarse fragments; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules; Field pH 6 (Raupach); Common, fine (1-2mm) roots; Abrupt change to -

B21 0.27 - 0.35 m Yellowish brown (10YR5/6-Moist); Mottles, 10YR68, 2-10% , 0-5mm, Distinct; Medium clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules; Field pH 7 (Raupach); Clear change to -

B22 0.35 - 0.5 m Yellowish brown (10YR5/8-Moist); Mottles, 10YR68, 2-10% , 0-5mm, Distinct; Medium clay; Weak grade of structure; Rough-ped fabric; Moderately moist; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules; Field pH 7 (Raupach);

Morphological Notes

A2e F,M QZ & IS
B21 SAMPLED +MS

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							%

0.27 - 0.35	6B 6.2H	94B	2.61A	3.36	0.08	1.12				7.17D	
0.27 - 0.35	6B 6.2H	94B	2.61A	3.36	0.08	1.12				7.17D	

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			%	
0.27 - 0.35									49I		8.5
42.5											
0.27 - 0.35									49I		8.5
42.5											

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_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