Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **0004** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By: Heather Percy
Date Desc.: 27/09/91
Map Ref.:
Northing/Long.: 6257410 AMG zone: 50
Easting/Lat.: 567760 Datum: AGD84
Locality:
Elevation: 309 metres
Rainfall: No Data
Runoff: No Data
Drainage: No Data

Geology

ExposureType: Auger boring
Geol. Ref.: No Data
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: No Data

Land Form

Rel/Slope Class: Gently undulating rises 9-30m 1-3%
Pattern Type: Rises

Morph. Type: Flat
Elem. Type: Hillslope
Slope: 2 %
Relief: 10 metres
Slope Category: No Data
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: Gn4.53
Great Soil Group: N/A

Site Vegetation:

Surface Coarse

No surface coarse fragments; No surface coarse fragments

Profile

A1 0 - 0.1 m Very dark grey (10YR3/1-Moist); , 0-0% ; Sandy light clay; Massive grade of structure; Sandy (grains prominent) fabric; Moderately moist; Field pH 6 (Raupach); Many, fine (1-2mm) roots; Abrupt change to -

B21 0.1 - 0.45 m Light brownish grey (10YR6/2-Moist); Mechanical, 10YR31, 10-20% , 30-mm, Distinct; Medium heavy clay; Rough-ped fabric; Moderately moist; Field pH 6 (Raupach); Common, fine (1-2mm) roots; Clear change to -

B22 0.45 - 0.7 m Strong brown (7.5YR5/8-Moist); Mottles, 10YR62, 20-50% , 15-30mm, Distinct; Sandy medium clay; Sandy (grains prominent) fabric; Moderately moist; Field pH 9.5 (Raupach); Few, medium (2-5mm) roots; Clear change to -

B3 0.7 - 1 m Grey (10YR6/1-Moist); Mottles, 7.5YR58, 20-50% , 15-30mm, Distinct; Light medium clay; Rough-ped fabric; Moderately moist; Field pH 9.5 (Raupach); Few, coarse (>5mm) roots;

Morphological Notes

B21 F M F ORANGE MOTTLES - R

Observation Notes

Site Notes

Pasture cover patchy with bare patches of very hardsetting soil.

Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **0004** **Observation** **1**
Agency Name: **Agriculture Western Australia**

Laboratory Test Results:

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

0.1 - 0.45	6.6B 8H	6B	3.6A	4.55	0.27	0.7			9.12D	
0.1 - 0.45	6.6B 8H	6B	3.6A	4.55	0.27	0.7			9.12D	
0.1 - 0.45	6.6B 8H	6B	3.6A	4.55	0.27	0.7			9.12D	
0.1 - 0.45	6.6B 8H	6B	3.6A	4.55	0.27	0.7			9.12D	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	GV	Particle Size CS	FS	Analysis Silt
m	%	Clay %	mg/kg	%	%	%	Mg/m3			%	
0.1 - 0.45	<2C								50.5I		5.5
44											
0.1 - 0.45	<2C								50.5I		5.5
44											
0.1 - 0.45	<2C								50.5I		5.5
44											
0.1 - 0.45	<2C								50.5I		5.5
44											

Laboratory Analyses Completed for this profile

13C1_AL	Citrate/dithionite-extractable iron, aluminium, Manganese and Silicon
13C1_FE	Citrate/dithionite-extractable iron, aluminium, Manganese and Silicon
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
19B_NR	Calcium Carbonate (CaCO3) - Not recorded
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