Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **2301** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By: Heather Percy
Date Desc.: 04/11/94
Map Ref.:
Northing/Long.: 6262500 AMG zone: 50
Easting/Lat.: 503940 Datum: AGD84
Locality:
Elevation: 270 metres
Rainfall: No Data
Runoff: No Data
Drainage: Poorly drained

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: Valley flat
Slope: 0 %
Relief: 5 metres
Slope Category: No Data
Aspect: No Data

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: Dy3.41
Great Soil Group: N/A

Site Complete clearing. Pasture, native or improved, but never cultivated

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

A11 0 - 0.05 m Dark greyish brown (10YR4/2-Moist); , 0-0% ; Clayey sand; Weak grade of structure, 5-10 mm,
Subangular blocky; Rough-ped fabric; Dry; Field pH 5.5 (Raupach); Abrupt, Smooth change to -

A12 0.05 - 0.2 m Brown (10YR4/3-Moist); , 0-0% ; Clayey sand; Massive grade of structure; Dry; Field pH 6 (Raupach);
Abrupt change to -

A2e 0.2 - 0.22 m Light brownish grey (10YR6/2-Moist); , 0-0% ; Clayey sand; Massive grade of structure; Dry; 10-20%,
fine gravelly, 2-6mm, rounded, , coarse fragments; Field pH 6 (Raupach); Abrupt, Wavy change to -

B21 0.22 - 0.4 m Light brownish grey (2.5Y6/2-Moist); Mottles, 10YR56, 20-50% , 5-15mm, Distinct; Sandy light medium
clay; Moderate grade of structure; Rough-ped fabric; Dry; Field pH 5 (Raupach); Clear change to -

B22 0.4 - 0.6 m Light brownish grey (2.5Y6/2-Moist); Mottles, 10YR58, 10-20% , 5-15mm, Distinct; Sandy light medium
clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Field pH 5.5 (Raupach);

Morphological Notes

B21 Possibly columnar structure.

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable Acidity	CEC	ECEC	ESP
			Ca	Mg	K	Na				
m		dS/m	Cmol (+)/kg							%
0.22 - 0.4	4.3B 5.2H	46B	1H	3.9	0.08	2	0.28J		6.98D	
0.22 - 0.4	4.3B 5.2H	46B	1H	3.9	0.08	2	0.28J		6.98D	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis			
		Clay						GV	CS	FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0.22 - 0.4 21									71I		8
0.22 - 0.4 21									71I		8

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_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