Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **1193** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By: Heather Percy
Date Desc.: 19/08/93
Map Ref.:
Northing/Long.: 6334420 AMG zone: 50
Easting/Lat.: 544920 Datum: AGD84
Locality:
Elevation: 323 metres
Rainfall: No Data
Runoff: No Data
Drainage: Moderately well 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: Mid-slope
Elem. Type: Footslope
Slope: 2 %
Relief: 30 metres
Slope Category: No Data
Aspect: 0 degrees

Surface Soil Condition Firm

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: Dy5.21
Great Soil Group: N/A

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

Vegetation:

Surface Coarse 2-10%, medium gravelly, 6-20mm, subrounded, ; No surface coarse fragments

Profile

A1 0 - 0.1 m Dark grey (10YR4/1-Moist); , 0-0% ; Sand; Single grain grade of structure; Moderately moist; Loose consistence; Field pH 5.5 (Raupach); Abrupt change to -

A2c 0.1 - 0.3 m Light yellowish brown (10YR6/4-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Moist; Loose consistence; 20-50%, medium gravelly, 6-20mm, rounded, , coarse fragments; Field pH 6 (Raupach); Abrupt change to -

B21 0.3 - 0.35 m Light yellowish brown (10YR6/4-Moist); Mottles, 2.5YR46, 2-10% , 15-30mm, Distinct; , 10YR58, 10-20% , 5-15mm, Distinct; Clay loam; Moderate grade of structure; Rough-ped fabric; Moist; Field pH 6 (Raupach); Clear change to -

B22 0.35 - 0.5 m Brownish yellow (10YR6/6-Moist); Mottles, 7.5YR58, 2-10% , 15-30mm, Distinct; Clay loam; Massive grade of structure; Moderately moist; Field pH 6 (Raupach);

Morphological Notes

Observation Notes

Site Notes

Site along Wagin-Wickepin Road.

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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	4.3B									

0.15 - 0.25	4.5B									
0.3 - 0.5	5.2B 5.7H	5B	0.72H	2.01	<0.02	0.1	0.02J		2.84D	
0.3 - 0.5	5.2B 5.7H	5B	0.72H	2.01	<0.02	0.1	0.02J		2.84D	
0.4 - 0.5	5.6B									

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	GV	Particle Size CS	FS	Analysis Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.1											
0.15 - 0.25											
0.3 - 0.5 44									49I		7
0.3 - 0.5 44									49I		7
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
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
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