Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **0479** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By: Heather Percy
Date Desc.: 18/09/92
Map Ref.:
Northing/Long.: 6237420 AMG zone: 50
Easting/Lat.: 565100 Datum: AGD84
Locality:
Elevation: No Data
Rainfall: No Data
Runoff: No Data
Drainage: 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: Undulating low hills 30-90m 3-10%
Pattern Type: Low hills

Morph. Type: Crest
Elem. Type: Summit surface
Slope: 1 %
Relief: 90 metres
Slope Category: No Data
Aspect: 270 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: Dg2.11
Great Soil Group: N/A

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

Vegetation:

Surface Coarse No surface coarse fragments; 0-2%, , subangular,

Profile

A1 0 - 0.12 m Very dark grey (10YR3/1-Moist); , 0-0% ; Sandy clay loam; Single grain grade of structure; Moist; Loose consistence; 10-20%, medium gravelly, 6-20mm, rounded, , coarse fragments; Field pH 7 (Raupach); Many, fine (1-2mm) roots; Abrupt, Smooth change to -

B2t 0.12 - 0.5 m Light grey (10YR7/2-Moist); Mottles, 2.5YR36, 20-50% , 5-15mm, Prominent; Medium clay; Strong grade of structure; Smooth-ped fabric; Moderately moist; Very firm consistence; Field pH 6 (Raupach); Common, fine (1-2mm) roots; Clear change to -

B3 0.5 - 0.9 m Light grey (10YR7/1-Moist); Mottles, 2.5YR36, 20-50% , 15-30mm, Prominent; Medium clay; Strong grade of structure; Smooth-ped fabric; Dry; Very firm consistence; Field pH 6 (Raupach);

Morphological Notes

B2t Cutans 10YR6/1, Abundant, distinct topsoil.
B3 Kaolinitic

Observation Notes

Site Notes

Jam Creek Road

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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 - 0.11	5.88B									
0.12 - 0.5	5.1B 6.1H	28B	1.24H	1.93	0.27	1.61	0.1J		5.05D	

0.12 - 0.5	5.1B 6.1H	28B	1.24H	1.93	0.27	1.61	0.1J	5.05D
0.16 - 0.26	4.99B							
0.41 - 0.51	4.74B							

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 - 0.11											
0.12 - 0.5											
0.12 - 0.5											
0.16 - 0.26											
0.41 - 0.51											

Laboratory Analyses Completed for this profile

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)