Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **1470** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By: Heather Percy
Date Desc.: 18/10/93
Map Ref.:
Northing/Long.: 6302080 AMG zone: 50
Easting/Lat.: 564230 Datum: AGD84
Locality:
Elevation: 335 metres
Rainfall: No Data
Runoff: No Data
Drainage: Imperfectly 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: 45 metres
Slope Category: No Data
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: Dr2.13
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, angular, Quartz; 10-20%, , subangular, Granite

Profile

A1p 0 - 0.05 m Dark brown (7.5YR3/3-Moist); , 0-0% ; Sandy clay loam; Massive grade of structure; Dry; Field pH 6 (Raupach); Abrupt change to -

B2t 0.05 - 0.5 m Reddish brown (5YR4/4-Moist); , 0-0% ; Light medium clay; Moderate grade of structure; Rough-ped fabric; Dry; Few (2 - 10 %), Calcareous, Coarse (6 - 20 mm), Soft segregations; Field pH 8 (Raupach); Abrupt change to -

C 0.5 - 0.55 m Dark brown (7.5YR3/4-Moist); , 0-0% ; Clayey coarse sand; Massive grade of structure; Dry; 20-50%, fine gravelly, 2-6mm, subangular, Dolerite, coarse fragments; Soil matrix is Slightly calcareous; Field pH 9 (Raupach);

Morphological Notes

B2t Lime segregations below 40cm
C Weathered dolerite

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 - 0.1	5.5B									
	5.5B									
0 - 0.1	5.5B									

0.05 - 0.25	5.5B 7B 8.1H	8B	16.11E	9.29	0.58	1.07		29B	27.05D	3.69
0.05 - 0.25	7B 8.1H	8B	16.11E	9.29	0.58	1.07		29B	27.05D	3.69
0.05 - 0.25	7B 8.1H	8B	16.11E	9.29	0.58	1.07		29B	27.05D	3.69
0.15 - 0.25	7.1B									
0.4 - 0.5	7.8B									

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 - 0.1											
0 - 0.1											
0.05 - 0.25	<2C								48I		6
46											
0.05 - 0.25	<2C								48I		6
46											
0.05 - 0.25	<2C								48I		6
46											
0.15 - 0.25											
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
15C1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_CEC	CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_K	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_MG	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_NA	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, 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