Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **1686** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By: Heather Percy
Date Desc.: 02/06/94
Map Ref.:
Northing/Long.: 6330630 AMG zone: 50
Easting/Lat.: 493010 Datum: AGD84
Locality:
Elevation: 340 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: Undulating low hills 30-90m 3-10%
Pattern Type: Low hills

Morph. Type: Mid-slope
Elem. Type: Hillslope
Slope: 5 %
Relief: 30 metres
Slope Category: No Data
Aspect: 180 degrees

Surface Soil Condition Loose

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: Dy5.11
Great Soil Group: N/A

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

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

A11 0 - 0.15 m Very dark grey (10YR3/1-Moist); , 0-0% ; Loamy coarse sand; Massive grade of structure; Moist; Field pH 6 (Raupach); Abrupt change to -

A12 0.15 - 0.3 m Dark greyish brown (10YR4/2-Moist); , 0-0% ; Clayey coarse sand; Massive grade of structure; Moist; Field pH 6 (Raupach); Clear change to -

A3 0.3 - 0.5 m Light yellowish brown (10YR6/4-Moist); , 0-0% ; Clayey coarse sand; Massive grade of structure; Moist; Field pH 6 (Raupach); Abrupt change to -

B2 0.5 - 0.8 m Brownish yellow (10YR6/6-Moist); Mottles, 5YR56, 20-50% , 5-15mm, Distinct; Coarse sandy clay loam; Weak grade of structure; Moderately moist; Field pH 6 (Raupach); Clear change to -

B3 0.8 - 0.9 m Dark yellowish brown (10YR4/6-Moist); Mottles, 2.5YR46, 10-20% , 5-15mm, Distinct; Light clay; Weak grade of structure; Moderately moist; Field pH 5.5 (Raupach);

Morphological Notes

Observation Notes

Site Notes

Site along road reserve of Hurley Road series of dolerite dykes trending east-west 50m south and down slope of this site.

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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							%
0.5 - 0.7	4.9B	3B	0.6H	1.1	0.22	0.08	0.07J		2D	

5.8H

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	GV	Particle Size CS	FS	Analysis Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0.5 - 0.7									72I		6.5	21.5

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
4B1	pH of 1:5 soil/0.01M calcium chloride extract - direct
P10_NR_C	Clay (%) - Not recorded
P10_NR_S	Sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded