

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0357 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Jaki Hogstrom
Date Desc.: 29/07/92
Map Ref.:
Northing/Long.: 6258310 AMG zone: 50
Easting/Lat.: 546230 Datum: AGD84
Locality:
Elevation: 341 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 rises 9-30m 3-10%
Morph. Type: Upper-slope
Elem. Type: Hillslope
Slope: 4 %
Pattern Type: Rises
Relief: 20 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
Mapping Unit: N/A
Principal Profile Form: Dy3.22
ASC Confidence: Confidence level not specified
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

A1	0 - 0.1 m	Very dark grey (10YR3/1-Moist); , 0-0% ; Sandy clay loam; Single grain grade of structure; Moderately moist; Field pH 6
A2	0.1 - 0.35 m	Brown (10YR5/3-Moist); , 0-0% ; Sandy clay loam; Single grain grade of structure; Moderately moist; Field pH 6
B2t	0.35 - 0.6 m	Brownish yellow (10YR6/5-Moist); Mottles, 5YR58, 10-20% , 5-15mm, Distinct; Medium clay; Moderate (Raupach); Common, fine (1-2mm) roots; Abrupt change to -
B3	0.6 - 0.75 m	Brownish yellow (10YR6/8-Moist); Mottles, 2.5YR48, 20-50% , 15-30mm, Distinct; Sandy light medium clay; Massive grade of structure; Dry; Weak consistence; Field pH 7 (Raupach); Common, fine (1-2mm) roots;

Morphological Notes

B2t With coarse sand. Moist immediately above 60cm (L4). Sampled ESP

Observation Notes

Site Notes

On Holly Siding. Roadside vegetation originally forest

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
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m	dS/m	Cmol (+)/kg							%
0 - 0.11	4.93B								
0.16 - 0.26	4.98B								
0.35 - 0.6	5.6B	3B	1.92H	1.67	0.06	0.15	0.02J		3.8D
	6.5H								
0.35 - 0.6	5.6B	3B	1.92H	1.67	0.06	0.15	0.02J		3.8D
	6.5H								
0.41 - 0.51	5.49B								

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	Clay %	mg/kg	%	%	%	Mg/m3	GV CS FS Silt
0 - 0.11								
0.16 - 0.26								
0.35 - 0.6								
0.35 - 0.6								
0.41 - 0.51								

Laboratory Analyses Completed for this profile

15_NR_CMV	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)