

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0098 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy
Date Desc.: 11/11/91
Map Ref.:
Northing/Long.: 6265950 AMG zone: 50
Easting/Lat.: 564580 Datum: AGD84
Locality:
Elevation: 305 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: Gently undulating rises 9-30m 1-3% **Pattern Type:** Rises

Morph. Type: Lower-slope
Elem. Type: Hillslope
Slope: 2 %
Relief: 30 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
Mapping Unit: N/A
Principal Profile Form: Dy3.11
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 2-10%, medium gravelly, 6-20mm, angular, Quartz; No surface coarse fragments

Profile

A1	0 - 0.2 m	Very dark grey (10YR3/1-Moist); , 0-0% ; Clayey coarse sand; Massive grade of structure; Moderately moist; 10-20%, Quartz, coarse fragments; Field pH 6.5 (Raupach); Many, fine (1-2mm) roots; Abrupt change to -
B21t	0.2 - 0.35 m	Greyish brown (10YR5/2-Moist); Mottles, 5YR56, 20-50% , 30-mm, Distinct; Medium heavy clay; Strong grade of structure, 50-100 mm, Polyhedral; Rough-ped fabric; Dry; 20-50%, Quartz, coarse fragments; Field pH 6 (Raupach); Common, very fine (0-1mm) roots; Gradual change to -
B22	0.35 - 0.55 m	Light brownish grey (10YR6/2-Moist); Mottles, 5YR56, 20-50% , 5-15mm, Distinct; Sandy medium clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Field pH 6 (Raupach); Common, very fine (0-1mm) roots;

Morphological Notes

A1 F,M A QZ
 B21t SAMPLED.F A QZ +MS CUTANS F D O 10YR42

Observation Notes

Site Notes

Site is 65m upslope of drainage line

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				cmol (+)/kg				%
0.2 - 0.35	5.3B	20B	1.74H	5.67	<0.02	3.04	<0.02J		10.46D	

0.2 - 0.35	6.4H 5.3B 6.4H	20B	1.74H	5.67	<0.02	3.04	<0.02J	10.46D
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Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV CS FS Silt
0.2 - 0.35								58I 6
36								
0.2 - 0.35								58I 6
36								

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMRR	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)
P10_NR_C	Clay (%) - Not recorded
P10_NR_S	Sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded