

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 1913 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy
Date Desc.: 15/08/94
Map Ref.:
Northing/Long.: 6254700 AMG zone: 50
Easting/Lat.: 488190 Datum: AGD84
Locality:
Elevation: 300 metres
Rainfall: No Data
Runoff: No Data
Drainage: Well drained

Geology

Exposure Type: 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: Upper-slope
Elem. Type: Summit surface
Slope: 3 %
Relief: 15 metres
Slope Category: No Data
Aspect: 180 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: Dy2.11
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 No surface coarse fragments; No surface coarse fragments

Profile

A1	0 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Sandy loam; Massive grade of structure; Moist; 10-20%, fine gravelly, 2-6mm, rounded, , coarse fragments; Field pH 6 (Raupach); Abrupt change to -
A3	0.1 - 0.2 m	Brown (10YR4/3-Moist); , 0-0% ; Sandy clay loam; Massive grade of structure; Moist; 20-50%, fine gravelly, 2-6mm, rounded, , coarse fragments; Field pH 6 (Raupach); Clear change to -
B21	0.2 - 0.35 m	Strong brown (7.5YR5/6-Moist); , 0-0% ; Medium clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Field pH 5.5 (Raupach); Gradual change to -
B22	0.35 - 0.65 m	Brownish yellow (10YR6/6-Moist); , 0-0% ; Medium clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Field pH 5.5 (Raupach); Gradual change to -
B23	0.65 - 0.9 m	Brownish yellow (10YR6/6-Moist); Mottles, 2.5YR46, 20-50% , 15-30mm, Distinct; Medium clay; Moderate grade of structure; Rough-ped fabric; Field pH 5.5 (Raupach);

Morphological Notes

Observation Notes

Site Notes

Site along Narlingup Road North - not a gravel soil. Gravelly ridge 100 m down slope of site.

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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 - 0.1	5B								
0.15 - 0.25	4.6B								
	4.6B								
0.15 - 0.25	4.6B								
	4.6B								
0.2 - 0.35	4.5B	4B	0.79H	3	0.08	0.16	0.41J		4.03D
	5.3H								
0.4 - 0.5	5.2B								

Depth	CaCO ₃	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis	
m	%	%	mg/kg	%	%	%	Mg/m ³	GV CS FS Silt	
0 - 0.1									
0.15 - 0.25									
0.15 - 0.25									
0.2 - 0.35								28I	8
64									
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_CMRR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15E1_AL	Exchangeable Al - by compulsive exchange, no pretreatment for soluble salts
15E1_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,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 (Mn ²⁺) 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