

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 1504 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 22/10/93	Elevation: 330 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6295090 AMG zone: 50	Runoff: No Data
Easting/Lat.: 566910 Datum: AGD84	Drainage: Moderately well drained

Geology

ExposureType: Auger boring	Conf. Sub. is Parent. Mat.: No Data
Geol. Ref.: No Data	Substrate Material: No Data

Land Form

Rel/Slope Class: Undulating low hills 30-90m 3-10% **Pattern Type:** Low hills

Morph. Type: Upper-slope	Relief: 50 metres
Elem. Type: Hillslope	Slope Category: No Data
Slope: 5 %	Aspect: 45 degrees

Surface Soil Condition Hardsetting, Hardsetting

Erosion: (wind); (sheet) (rill) (gully)

Soil Classification

Australian Soil Classification: N/A	Mapping Unit: N/A
ASC Confidence: Confidence level not specified	Principal Profile Form: Dr2.12
	Great Soil Group: N/A

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

Vegetation:

Surface Coarse No surface coarse fragments; 10-20%, , subangular, Dolerite

Profile

A1p	0 - 0.05 m	Dark reddish brown (5YR3/2-Moist); , 0-0% ; Fine sandy clay loam; Moderate grade of structure, 20-50 mm, Subangular blocky; Rough-ped fabric; Dry; Firm consistence; Field pH 5.5 (Raupach); Many, very fine (0-1mm) roots; Abrupt change to -
A3	0.05 - 0.2 m	Dark reddish brown (5YR3/3-Moist); , 0-0% ; Clay loam, fine sandy; Massive grade of structure; Dry; Weak consistence; Field pH 6 (Raupach); Common, very fine (0-1mm) roots; Abrupt change to -
B21	0.2 - 0.5 m	Dark reddish brown (5YR3/3-Moist); , 0-0% ; Light medium clay; Strong grade of structure; Rough-ped fragments; fabric; Dry; Very firm consistence; 20-50%, medium gravelly, 6-20mm, rounded, , coarse fragments; Common (10 - 20 %), Manganiferous, Coarse (6 - 20 mm), Nodules; Field pH 7 (Raupach); Common, very fine (0-1mm) roots; Gradual change to -
B22	0.5 - 0.75 m	Reddish brown (5YR4/4-Moist); , 0-0% ; Light medium clay; Strong grade of structure; Smooth-ped fabric; Dry; Strong consistence; Field pH 8 (Raupach); Few, very fine (0-1mm) roots; Abrupt change to -
R	0.75 - m	Rock

Morphological Notes

Observation Notes

Site Notes

Site along Bibikin Road

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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 - 0.05	5B									
0.1 - 0.2	5.4B									
0.2 - 0.4	6.2B	4B	18.7A	7.04	0.07	0.41			26.22D	
	7.3H									
0.2 - 0.4	6.2B	4B	18.7A	7.04	0.07	0.41			26.22D	
	7.3H									
0.4 - 0.5	6.5B									

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 - 0.05								
0.1 - 0.2								
0.2 - 0.4								43.5I 9.5
47								
0.2 - 0.4								43.5I 9.5
47								
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
15A1_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15A1_CEC	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_K	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15A1_MG	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15A1_NA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no 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
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