

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0059 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 18/10/91	Elevation: 331 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6253050 AMG zone: 50	Runoff: No Data
Easting/Lat.: 575540 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: Gently undulating rises 9-30m 1-3% **Pattern Type:** Rises

Morph. Type: Upper-slope	Relief: 30 metres
Elem. Type: Hillslope	Slope Category: No Data
Slope: 2 %	Aspect: 270 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: Dy3.81
	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 Sandy (grains (Raupach); Many,	Greyish brown (10YR5/2-Moist); , 0-0% ; Clayey coarse sand; Massive grade of structure; prominent) fabric; Dry; 0-2%, Quartz, coarse fragments; Water repellent; Field pH 6 fine (1-2mm) roots; Clear change to -
A21e 0.2 - 0.3 m structure; Sandy Common, fine	Light brownish grey (10YR6/2-Moist); , 0-0% ; Loamy coarse sand; Massive grade of (grains prominent) fabric; Dry; 2-10%, Quartz, coarse fragments; Field pH 6.5 (Raupach); (1-2mm) roots; Clear change to -
A22ec 0.3 - 0.48 m structure; %, mm), 50 %), fine (1-2mm)	Light brownish grey (2.5Y6/3-Moist); , 0-0% ; Clayey coarse sand; Single grain grade of Sandy (grains prominent) fabric; Dry; 20-50%, Ironstone, coarse fragments; Many (20 - 50 %), Ferruginous, Medium (2 -6 mm), Nodules; Many (20 - 50 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Many (20 - 50 %), Ferruginous, Very coarse (20 - 60 mm), Nodules; Many (20 - Ferruginous, Extremely coarse (> 60 mm), Nodules; Field pH 5.5 (Raupach); Common, roots; Clear change to -
B21c 0.48 - 0.5 m clay loam; Weak many (50 - 100 Very coarse (20 - Nodules; Field	Brownish yellow (10YR6/6-Moist); Mottles, 5YR66, 20-50% , 15-30mm, Distinct; Sandy grade of structure; Rough-ped fabric; Dry; 50-90%, Ironstone, coarse fragments; Very %), Ferruginous, Coarse (6 - 20 mm), Nodules; Very many (50 - 100 %), Ferruginous, 60 mm), Nodules; Very many (50 - 100 %), Ferruginous, Extremely coarse (> 60 mm), pH 6 (Raupach); Common, fine (1-2mm) roots;

Morphological Notes

A1	F A QZ
A21e	F A QZ M,C IS(R)
A22ec	F M C IS S

Observation Notes**Site Notes**

Stopped by very hard conditions

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Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0.48 - 0.5	4.9B 5.8H	3B	0.58H	0.91	0.03	0.18	0.16J		1.7D	
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Depth	CaCO ₃	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size	Analysis
m	%	Clay %	mg/kg	%	%	%	Mg/m ³	GV CS FS	Silt
0.48 - 0.5								78.5I	3.5
18									
0.48 - 0.5								78.5I	3.5
18									

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_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